

International Federation of Surveyors  
Fédération Internationale des Géomètres  
Internationale Vereinigung der Vermessungsingenieure



# **International Federation of Surveyors**

## **General Assembly**

### **AGENDA AND APPENDICES**

**6 and 10 May 2012**

**Rome Cavalieri, Rome, Italy**

**INTERNATIONAL FEDERATION OF SURVEYORS****FIG 35<sup>th</sup> GENERAL ASSEMBLY****6 and 10 May 2012****Salone dei Cavalieri 3 & 4, Rome Cavalieri, Rome, Italy****PROGRAMME**

<b>Sunday, 6 May 2012</b>		
Rome Cavalieri, Rome, Italy		
Sunday 6 May	09:00-12:00 13:00-15:00 Salone dei Cavalieri 3 & 4 Rome Cavalieri, Rome	General Assembly, First Session
Sunday 6 May	15:00-16:00 Salone dei Cavalieri 2 Rome Cavalieri, Rome	Presidents' Coffee Reception This is an informal gathering for Presidents and Heads of delegation of FIG member associations. Hosted by President of GNGeGL By invitation only.
Sunday 6 May	16:00-18:00 Rome Cavalieri (See programme for individual rooms)	Annual Meetings of FIG Commissions
<b>Monday, 7 May – Wednesday, 9 May 2012</b>		
<b>FIG Working Week 2012</b>		
Rome Cavalieri, Rome, Italy		
<a href="http://www.fig.net/fig2012">www.fig.net/fig2012</a>		
Tuesday 8 May	16:00-17:30 Tbc, Rome Cavalieri	Presidents' Meeting This session is reserved for Presidents or Heads of delegation (or their representatives) of member associations to discuss issue of their common interest. It is expected that the main topic this year will be the report from the Working Group on Voting Rights. The meeting is chaired by President of CNGeGL.
<b>Thursday, 10 May 2012</b>		
Rome Cavalieri, Rome, Italy		
Thursday 10 May	08:30-10:00 Salone dei Cavalieri 2, Rome Cavalieri	FIG Presidents' Meeting For Presidents or Heads of delegation of Member Associations (or their representatives) By invitation only

Thursday 10 May	10:00–12:00 13 :00-15 :00 Salone dei Cavalieri 3 & 4, Rome Cavalieri	General Assembly, Second Session
Thursday 10 May	15:00-16:00 Salone dei Cavalieri 3 & 4 and Salone dei Cavalieri 1, Rome Cavalieri	Closing Ceremony Closing ceremony will start immediately after the General Assembly and will be followed by the Farewell Reception hosted by the Nigerian Institution of Surveyors, NIS host of FIG Working Week 2013.

# FIG 35<sup>th</sup> GENERAL ASSEMBLY

## List of Agenda Items

### **Sunday, 6 May, 09:00-12:00 and 13:00-15:00**

1. OPENING PROCEEDINGS
2. ROLL CALL
3. APPOINTMENT OF TELLERS
4. ADOPTION OF THE AGENDA
5. ADOPTION OF THE MINUTES OF THE 34<sup>th</sup> GENERAL ASSEMBLY
6. MEMBERSHIP
7. APPOINTMENT OF AN HONORARY MEMBER
8. PRESIDENT'S REPORT
9. REPORTS FROM FIG COMMISSIONS AND FIG NETWORKS 2011-2012
10. REPORTS OF TASK FORCES 2011-2012
11. REPORTS FROM THE DIRECTORS OF PERMANENT INSTITUTIONS 2011-2012
12. REPORT OF THE PRESIDENT OF THE FIG FOUNDATION 2011-2012
13. REPORT OF THE WORKING GROUP ON VOTING RIGHTS
14. CO-OPERATION WITH THE UNITED NATIONS AND THE WORLD BANK
15. LIAISON WITH INTERNATIONAL PROFESSIONAL ORGANISATIONS
16. FIG ACCOUNTS FOR 2011 AND AUDITOR'S REPORT AND BUDGETS 2012-2015
17. SUBSCRIPTION RATES FOR 2014
18. ELECTION OF TWO VICE PRESIDENTS FOR 2013-2016 – PRESENTATION BY CANDIDATES
19. ELECTION OF COMMISSION CHAIRS ELECT FOR 2013-2014 – PRESENTATION BY CANDIDATES
20. DECISION OF THE VENUES FOR FIG WORKING WEEK 2015 AND 2016 – PRESENTATION BY CANDIDATES

### **Tuesday, 8 May, 16:00-17:30**

21. PRESIDENTS' MEETING

### **Thursday, 10 May, 08:30-10:00**

22. FIG PRESIDENT'S MEETING

### **Thursday, 10 May, 10:30–12:00 and 13:00-15:00**

23. ROLL CALL
24. MEMBERSHIP
25. ELECTION OF TWO VICE PRESIDENTS FOR 2013-2016
26. ELECTION OF COMMISSION CHAIRS ELECT 2013-2014
27. DECISION OF THE VENUES FOR FIG WORKING WEEK 2015 AND 2016
28. REPORTS FROM COMMISSIONS AND TASK FORCES
29. REPORT FROM WORKING GROUP ON VOTING RIGHTS
30. CO-OPERATION WITH THE FIG CORPORATE MEMBERS
31. REPORT ON THE 8TH FIG REGIONAL CONFERENCE 2012 IN MONTEVIDEO, URUGUAY
32. REPORT ON THE FIG CONGRESS 2014 IN KUALA LUMPUR, MALAYSIA
33. REPORT ON THE FIG WORKING WEEK 2013 IN ABUJA, NIGERIA, 2013
34. PRESENTATION OF CERTIFICATES OF APPRECIATION



## FIG 35<sup>th</sup> GENERAL ASSEMBLY

### AGENDA

for the meetings to be held on Sunday 6<sup>th</sup> May and on Thursday 10<sup>th</sup> May in Salone dei Cavalieri 3 & 4 at the Rome Cavalieri Hotel, Rome, Italy

#### SUNDAY, 6 MAY

**Sunday, 6 May, 09:00-12:00 and 13:00-15:00**  
**Salone dei Cavalieri 3 & 4, Rome Cavalieri**  
**General Assembly, First Session**

#### 1. OPENING PROCEEDINGS

President CheeHai Teo to open the 35<sup>th</sup> General Assembly.

#### 2. ROLL CALL

Vice President Rudolf Staiger to take the roll call.

**Please note:** The roll call will be done for member associations and affiliate members only. Delegates representing academic members, corporate members and correspondents as well as honorary presidents and honorary members will be entered in the records but they shall register before the meeting starts at the meeting venue to the FIG officers. Member associations are asked to inform the FIG Office by **21 April 2012** about their attendance and at the same time to submit the names of their delegates and to inform who their Head of the delegation is, if it is not the President or Chair. That only member associations that have paid all their membership fees to the end of 2011 are allowed to vote at the meeting, a list of member associations that are not allowed to vote will be published on the FIG web site **10 April 2012**.

**Appendix to items 2 & 23:** Roll Call

**Appendix to items 2 & 23:** List of member associations that are not allowed to vote at the General Assembly because of unpaid membership fees for 2011 and earlier – will be posted 10 April 2012.

**Motion:** That members present are recorded in the minutes.

**Decision:**

#### 3. APPOINTMENT OF TELLERS

The General Assembly shall appoint two persons as tellers following the principle that one of the tellers will represent member associations hosting the preceding ((Ordre National des Ingénieurs Géomètres-Topographes, ONIGT, Morocco) and the current General Assembly (Consiglio Nazionale Geometri e Geometri Laureati, CNGeGL, Italy).

**Motion:** That the General Assembly appoints President Aziz Hilali from ONIGT and Secretary General Enrico Rispoli from CNGeGL as a teller for the two sessions of the General Assembly.

**Decision:**

#### 4. ADOPTION OF THE AGENDA

**Motion:** That the agenda be adopted.

**Decision:**

#### 5. ADOPTION OF THE MINUTES OF THE 34<sup>th</sup> GENERAL ASSEMBLY

Minutes have been circulated previously.

**Appendix to item 5:** Minutes of the General Assembly in Marrakech, Morocco, May 2011, without appendices.

**Motion:** That the minutes be adopted as recorded.

**Decision:**

#### 6. MEMBERSHIP

##### 6.1 Acceptance of new members

##### 6.1.1 China Land Science Society (CLSS)

The China Land Science Society (CLSS) has submitted an application to become the third member association of FIG from China P. R. The association was constituted in 1980 and currently has 1,130 qualified members. The application is supported by the two current Chinese member associations. The application meets the criteria for membership in FIG as a member association. The Council has considered the application and believes that the association meets criteria for membership of FIG as a member association.

**Appendix to item 6.1.1:** Membership application from the China Land Science Society (CLSS).

**Motion:** That the General Assembly admits the China Land Science Society (CLSS) to become a member association of FIG.

**Decision:**

##### 6.1.2 NP Cadastral Engineers, Russian Federation

NP Cadastral Engineers has submitted an application to become a second member association of FIG from Russian Federation. The association was constituted in 2006 and represents private surveyors in Russia. The association has currently 1,366 members. The application is supported by the current Russian member association Rosreestr that indicates in their supportive letter that it would be good to have the Russian private surveyors represented in FIG. The application meets the criteria for membership in FIG as a member association. The Council has considered the application and believes that the association meets criteria for membership of FIG as a member association.

**Appendix to item 6.1.2:** Membership application from NP Cadastral Engineers

**Motion:** That the General Assembly admits the NP Cadastral Engineers to become a member association of FIG.

**Decision:**

6.2 Expulsion of member associations

Subscriptions of following member associations are more than three years in arrears:

- Botswana Surveying and Mapping Association, Botswana
- The Nigerian Institute of Quantity Surveyors, NIQS, Nigeria
- AGEN Association Géomètres-Experts du Niger AGEN, Niger

The General Assembly has powers to expel from the Federation any member association whose fees are in arrears and shall under normal circumstances expel any member association whose fees are three years in arrears. (Article 4.3 of the Statutes). The FIG office has sent a letter to these associations informing that if their membership fees are still in arrears at the time of the General Assembly the General Assembly shall expel these member associations in Rome.

After acceptance of new member associations and expulsions the number of FIG member associations is 103 from 86 countries.

**Motion:** That the General Assembly expels the

- Botswana Surveying and Mapping Association, Botswana
- The Nigerian Institute of Quantity Surveyors, NIQS, Nigeria
- AGEN Association Géomètres-Experts du Niger AGEN, Niger

from the FIG membership if their membership fees still are in arrears 6 May 2012.

**Decision:**

6.3 Other membership issues

Corporate members

The Council has admitted the following companies to become a Corporate Member of FIG after the General Assembly in 2011:

- Meridian+, Russian Federation (category C – silver level)
- KQ Geo Technologies Co, China PR (category D – bronze level).

Following corporate members have terminated their membership from 1.1.2012:

- Ashtech, USA (category C –silver level)
- Blom ASA, Denmark (category C – silver level)
- Geotrilho Topografia Engenharia e Projecto Ida, Portugal (category E – basic level)
- Geoexpert, France (category E – basic level)
- Geoinformatics, Netherlands (category E – basic level)

In addition the membership of International Land Systems (ILS), Inc. has been moved over to Thomson Reuters.

After these changes the number of corporate members is now 25.

### Academic members

The Council has admitted the following universities and institutions to become an academic member:

- Makerere University, Geomatics and Land Management Department, Uganda
- UNIGIS International Association, Hungary
- Abia State Polytechnic, Surveying and Geoinformatics Dept, Nigeria

University College London, United Kingdom has terminated its membership.

The Council has expelled following universities because of unpaid membership subscriptions:

- Technological Education Institute of Athens, Greece
- University of Nairobi, Kenya
- Vilnius Gediminas Technical University, Lithuania
- Lithuanian University of Agriculture, Lithuania
- University of Lagos, Nigeria
- Nnamdi Azikiwe University, Nigeria
- Dunarea de Jos University Galati, Romania
- Ardhi University, Tanzania
- The Pennsylvania State University, USA

The number of Academic Members after these changes is 85.

### Correspondents

Council has terminated membership of correspondents from Benin, Ethiopia, Guyana and Senegal because these countries have joined FIG at higher level or because the correspondent has passed away.

After these decisions the number of correspondents is 14.

**Motion:** That the General Assembly notes the actions that the Council has taken with other membership matters.

### **Decision:**

#### 7. APPOINTMENT OF AN HONORARY MEMBER

##### **Matthew B. Higgins**

The Surveying and Spatial Sciences Institute, SSSI from Australia has sent the Federation a nomination letter in which it proposes that FIG appoints Mr. Matthew B. Higgins as an Honorary Member of FIG.

According to paragraph 3.1.7 in the statutes “honorary member: an individual who has materially assisted the development and promotion of the surveying profession at the international level”. Nomination shall be made by a member association or by the Council, which will consider it and submit it to a vote of the General Assembly. The Council has considered the nomination and considers that it fulfils the criteria (see criteria at: <http://www.fig.net/pub/figpub/pub40/figpub40.htm#Criteria> for an Honorary Member and therefore decided to propose to the General Assembly that it appoints Mr. Matt B. Higgins as an Honorary Member of the Federation for the outstanding services he has provided to the Federation.

**Appendix to item 7:** The nomination letter from Surveying and Spatial Sciences Institute, SSSI

**Motion:** That the General Assembly appoints Mr. Matthew B. Higgins as an Honorary Member of FIG.

**Decision:**

## 8. PRESIDENT'S REPORT

President CheeHai Teo has prepared the President's report on the activities of the President and the Council since the General Assembly in Marrakech in May 2011.

**Appendix to item 8:** President's report

**Motion:** That the General Assembly accepts the President's report.

**Decision:**

## 9. REPORTS FROM FIG COMMISSIONS AND FIG NETWORKS 2011-2012

Each Commission Chair, 2011-2014, has submitted a written report on the Commission activities covering period from Working Week in Marrakech to Working Week in Rome. These reports include reports of the Commission chair and Commission working groups. The reports include also the two FIG networks: Standards Network and Young Surveyors Network.

Vice President Rudolf Staiger will give an overall report on Commission activities at the meeting.

**Appendices to item 9:** Commission reports:

**9.01** Commission 1

**9.02** Commission 2

**9.03** Commission 3

**9.04** Commission 4

**9.05** Commission 5

**9.06** Commission 6

**9.07** Commission 7

**9.08** Commission 8

**9.09** Commission 9

**9.10** Commission 10

**9.11** Standards Network

**9.12** Young Surveyors Network

**Motion:** That the General Assembly adopts the end of term reports of the Commission and Network Chairs and records its thanks to the chairs and other officers of the Commissions and Networks for their on going contributions.

**Decision:**

## 10. REPORTS OF TASK FORCES 2011-2012

FIG has currently four Task Forces: 1) Task Force on Spatially Enabled Society, chaired by Dr. Daniel Steudler (Switzerland) will get its work completed by publishing its final report at the General Assembly in Rome; 2) FIG Africa Task Force (2009 – 2014), chaired by Dr. Diane Dumashie (United Kingdom); 3) Task Force on Surveyors and the Climate Change (2011-2014) chaired by Prof. John Hannah (New Zealand); and 4) Task Force on Property and Housing (2011-2014) chaired by Prof. Chryssy Potsiou (Greece).

**Appendices to item 10:** Task Force reports:

- **10.1** Task Force on Spatially Enabled Society
- **10.2** FIG Africa Task Force
- **10.3** Task Force on Surveyors and the Climate Change
- **10.4** Task Force on Property and Housing

**Motion:** That the General Assembly records all Task Force reports and records its thanks to the Chairs of the Task Forces and their members for their work and contributions.

**Decision:**

## 11. REPORTS FROM THE DIRECTORS OF PERMANENT INSTITUTIONS 2011-2012

### 11.1 International Office of Cadastre and Land Records (Office International du Cadastre et du Régime Foncier) OICRF

Mr. Christiaan Lemmen, Director of OICRF has prepared a report on the OICRF activities since the General Assembly in Marrakech. He will make a brief report orally at the General Assembly.

**Appendix to item 11.1:** Report from the International Office of Cadastre and Land Records (Office International du Cadastre et du Régime Foncier) OICRF.

**Motion:** That the General Assembly adopts the report and records its thanks to the members of OICRF for their past year's work and contribution.

**Decision:**

### 11.2 International Institution for the History of Surveying and Measurement, Permanent Institution of FIG

Mr. Jan de Graeve, Director of the IIHSM has prepared a report on the IIHSM activities since the General Assembly in Marrakech. IIHSM will make a short oral presentation at the General Assembly.

**Appendix to item 11.2:** Report from the International Institution for the History of Surveying and Measurement, Permanent Institution of FIG.

**Motion:** That the General Assembly adopts the report and records its thanks to the Director and the members of the permanent institution for their past year's work and contribution.

**Decision:**

## 12. REPORT OF THE PRESIDENT OF THE FIG FOUNDATION 2011-2012

Mr. John Hohol, President of the FIG Foundation has prepared a report on the FIG Foundation activities from May 2011 to February 2012. He will make a brief report orally at the General Assembly.

**Appendix to item 12:** Report of the FIG Foundation activities 2011-2012

**Motion:** That the General Assembly adopts the report of the President of the FIG Foundation and records its thanks to the President and members of the Board of Directors of the FIG Foundation for their past year's work.

**Decision:**

## 13. REPORT OF THE WORKING GROUP ON VOTING RIGHTS

The Working Group on voting rights was established in Marrakech by the General Assembly that also appointed the members to the Working Group from member associations from Belgium, Canada, Denmark, Germany, Hong Kong SAR, Ireland, Italy, Kenya, Lebanon, New Zealand, Netherlands, South Africa and USA. The group elected Brian Coutts from New Zealand as the Chairperson and Henning Elmstroem as the Vice Chair.

The Chairperson has prepared a report for the General Assembly. The report includes the summary of the discussions and chairperson's conclusions. As appendices there are reports on the development of the voting rights in FIG (prepared by Henning Elmstroem, Denmark) and on participation to FIG General Assemblies 2000-2011 (prepared by Maria Joao Henriques, Portugal).

The Chairperson will present the interim report at the first session of the General Assembly and the members have the opportunity to discuss the draft at a Presidents' Meeting on Tuesday 8 May 16:00-17:30. The Chairperson will report back to the General Assembly in its second session. The General Assembly will then guide the Council and Working Group how to proceed with the voting right issues.

**Appendix to item 13, 21 and 29:** Working Group on Voting Rights – Chairperson's report

**Annex 1:** History of Voting Rights in FIG – only short version; full version on the web

**Annex 2:** Participation of Member Associations of FIG in the General Assemblies 2000-2011

## 14. CO-OPERATION WITH THE UNITED NATIONS AND THE WORLD BANK

The main partners in the co-operation with the United Nations and the World Bank since the FIG Working Week in Marrakech have been:

- World Bank
- United Nations Global Geospatial Information Management
- United Nations Human Settlement Programme (UN-HABITAT)
- Global Land Tool Network
- Food and Agriculture Organization (FAO)
- United Nations Group of Experts on Geographical Names (UNGEGN)
- United Nations Office for Outer Space Affairs (UNOOSA)
- United Nations Economic Commission for Africa (UNECA)
- United Nations sponsored Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP)

The activities with these bodies are described in the President's report, **appendix to item 8**.

UN ECA have prepared and signed a Memorandum of Understanding and forwarded to FIG. Council proposed that is MoU be presented to the General Assembly for its endorsement.

**Appendix to item 14:** Memorandum of Understanding between UN ECA and FIG

**Motion:** That the General Assembly

- adopts the report on the co-operation between FIG and the United Nations, its agencies and the World Bank and records its thanks to all those who have contributed to this co-operation.
- endorse the Memorandum of Understanding between UN ECA and FIG.

**Decision:**

## 15. LIAISON WITH INTERNATIONAL PROFESSIONAL ORGANISATIONS

The Joint Board of Spatial Information Societies JB-GIS was formally established during the FIG Working Week in Cairo in 2005 and meets annually during a major conference. The meeting of JB-GIS in 2011 was held in Paris in July 2011 where Prof. William Cartwright was elected as the new chairperson of JB-GIS.

Co-operation with international and regional organisations is described in President's report, **appendix to item 8**.

FIG has further bilateral agreements of co-operation with several other international associations like ISM, IFHP, CIB, ION, ICEC, FIABCI, IFHS and PAQS. Some of the partners are also working together within the Habitat Professionals Forum.

FIG is a member of the International Council for Science (ICSU) and working together with ISO and International Valuation Standards Committee (IVSC) on standards.

**Motion:** That the General Assembly records the report on the liaison with other international associations.

**Decision:**

## 16. FIG ACCOUNTS FOR 2011 AND AUDITOR'S REPORT AND BUDGETS 2012-2015

Vice President Iain Greenway has prepared a report on the FIG Financial Issues. Iain Greenway will present the report to the General Assembly. This report includes summary of 2011 accounts, an updated budget for 2012 and proposals for budgets 2012-2015 with notes and proposal for membership fees for member associations in 2014.

The Auditors Report includes the auditors report from 2011, official accounts (income statement 2011) and balance sheet 31 December 2011.

**Appendix to item 16:** Report on Financial Issues (including 2011 accounts and budgets 2012-2015)

Annexes:

- **16A** Auditor's Report, Income Statement for 2011 and Balance Sheet at 31 December 2011.
- **16B** FIG Result 2011
- **16C** FIG Budgets 2012-2015



- **16D** List of member associations whose membership fees are in arrears for 2010 and earlier and that are not allowed to vote, to be will be published on the FIG web site **10 April 2012**.

**Motion:** That the General Assembly

- adopts the audited accounts for 2011 and
- adopts budgets for 2012–2015

#### 17. SUBSCRIPTION RATES FOR 2014

The General Assembly has to set levels of fees for member associations two years in advance of the year in which they become payable. Fees are payable in respect of each individual member up to a maximum of 5,500 members. Membership fee structure was changed in 2009. Membership fees have been discussed as part of the finance report, **appendix to item 16**.

The 2011 General Assembly approved membership fees for 2013 as follows:

<u>Year</u>	<u>Per capita fee</u>	<u>Minimum fee</u>	<u>Maximum fee</u>
2013	4.48 € per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay 2.24 € member up to a maximum of 5,500 members.	20 members or 50 € (whichever is greater)	5,500 members (24,640 €)

The World Bank lists of the low-income economies and the lower-middle-income economies are available at:

<http://web.worldbank.org/WBSITE/EXTERNAL/DATASTATISTICS/0,,contentMDK:20421402~pagePK:64133150~piPK:64133175~theSitePK:239419,00.html>

The Council proposes to the General Assembly to keep the membership fees for member associations for 2014 at the same level as endorsed by the General Assembly in 2011 for 2013. In the draft budgets for 2012-2015 the membership fees are planned to be kept at the 2012 level for all membership categories for 2013-2015.

**Motion:** That the General Assembly adopts following membership fees payable by member associations in 2014:

<u>Year</u>	<u>Per capita fee</u>	<u>Minimum fee</u>	<u>Maximum fee</u>
2014	4.48 € per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay 2.24 € member up to a maximum of 5,500 members.	20 members or 50 € (whichever is greater)	5,500 members (24,640 €)

**Decision:**

## 18. ELECTION OF TWO VICE PRESIDENTS FOR 2013-2016 – PRESENTATION OF CANDIDATES

The FIG Council has received three proposals for the two open posts of FIG Vice President: Dr. Pengfei Cheng, CSGPC, China PR, Mr. Bruno Razza, CNGeGL, Italy and Mr. Yaacoub Saade, OSL, Lebanon. The profile templates of each candidate are attached to this agenda. In the first session of the General Assembly each candidate will be given equal time (about 5 minutes) to introduce her/him and make a presentation focussing on her/his ideas and goals for developing the FIG agenda.

The actual election will take place at the second session of the General Assembly by blind votes on Thursday 10 April. The election will take place one position at a time. If there will be no absolute majority in the first voting, second vote will be organised between those two candidates that have most votes.

### **Appendix to item 18 and 25:** Profiles of the candidates

- Dr. Pengfei Cheng, CSGPC, China PR
- Mr. Bruno Razza, CNGeGL, Italy
- Mr. Yaacoub Saade, OSL, Lebanon

**Motion:** That the General Assembly notes the presentations of the candidates and decides to make the elections at the second session of the General Assembly on the 10<sup>th</sup> May according to FIG statutes and internal rules.

### **Decision:**

## 19. ELECTION OF COMMISSION CHAIRS ELECT FOR 2013-2014 – PRESENTATION OF CANDIDATES

According to the FIG Statutes and Internal Rules the General Assembly appoints Commission Chairs Elect at its meeting two years prior to the Congress. These Chairs Elect will then automatically become Chairs of the Commissions for the next term of office. Thus the General Assembly shall appoint at this meeting Commission Chairs Elect for term of office 1.1.2013-31.12.2014 and these Chairs Elect will then become Commission Chairs for the term of office 1.1.2015-31.12.2018.

Member associations have made following nominations for the open posts during the nomination period:

- Commission 1: Mr. Brian J. Coutts, NZIS, New Zealand  
Dr. Ping Xiao, CSGPC, China PR
- Commission 2: Ms. Liza Groenendijk, GIN, Netherlands
- Commission 3: Mr. Enrico Rispoli, CNGeGL, Italy
- Commission 4: Ms. Angela Kesiena Etuonovbe, NIS, Nigeria
- Commission 5: Prof. Volker Schwieger, DVW, Germany
- Commission 6: Dr. Ivo Milev, USLMB, Bulgaria
- Commission 7: Ms. Claire Galpin, OGE, France  
Ms. Gerda Schennach, OVG, Austria  
Dr. Daniel Steudler, geosuisse, Switzerland
- Commission 8: Mr. Raymond Chan Yuk Ming, HKIS, Hong Kong SAR, China  
Mr. Kwame Tenadu, GhIS, Ghana
- Commission 9: Prof. Liao Jinping (Patrick), CIREA, China PR
- Commission 10: no proposals

As there were no nominations for Commission 10, the Council has discussed about the situation with this Commission. As a result of these studies, the Council proposes to the General Assembly that the appointment of Chair Elect to Commission 10 will be postponed to the General Assembly in 2013. This will still allow enough time for the appointed Chair Elect to prepare his/her agenda and work plan for the next term of office.

**Appendices to item 19 and 26:** Nomination templates of candidates to Commission Chairs Elect for 1.1.2013-31.12.2014:

Commission 1: Mr. Brian J. Coutts, NZIS, New Zealand  
Dr. Ping Xiao, CSGPC, China PR

Commission 2: Ms. Liza Groenendijk, GIN, Netherlands

Commission 3: Mr. Enrico Rispoli, CNGeGL, Italy

Commission 4: Ms. Angela Kesiena Etuonovbe, NIS, Nigeria

Commission 5: Prof. Volker Schwieger, DVW, Germany

Commission 6: Dr. Ivo Milev, USLMB, Bulgaria

Commission 7: Ms. Claire Galpin, OGE, France

Ms. Gerda Schennach, OVG, Austria

Dr. Daniel Stuedler, geosuisse, Switzerland

Commission 8: Mr. Raymond Chan Yuk Ming, HKIS, Hong Kong SAR, China

Mr. Kwame Tenadu, GhIS, Ghana

Commission 9: Prof. Liao Jinping (Patrick), CIREA, China PR

At the first session of the General Assembly each candidate will be given 3 minutes to introduce him/herself and his/her agenda how to develop the Commission if he/she will be elected.

The election for Chairs Elect will take place at the second session of the General Assembly on 10<sup>th</sup> May. The election will take place in one election, in which all commission chairs elect are elected at the same time. If there will be no absolute majority in the first voting for any commission, second vote will be organised between those two candidates that have most votes.

**Motion:** That the General Assembly notes the presentations and decides to make the election at the second session of the General Assembly on the 10<sup>th</sup> May.

#### **Decision:**

#### 20. DECISION OF THE VENUES FOR FIG WORKING WEEK 2015 AND 2016 – PRESENTATION OF CANDIDATES

The FIG Working Weeks are organised by FIG together with the local member association. FIG will have full responsibility of the arrangements and also of the financial result, naturally together with the local member association. This offers FIG better opportunities in terms of organising events and generating funds. Therefore the Council has to ensure that all candidates are aware about the role of FIG and split of responsibilities for organising the Working Week.

At the meeting in Rome the General Assembly will decide on the hosts for two Working Weeks.

The FIG Council has received three bids to host the FIG Working Week 2015 and three bids to host the Working Week Congress 2016:

#### Working Week 2015

- Chamber of Graduated Surveyors Bulgaria, Bulgaria

- Nepal Institution of Chartered Surveyors, NICS, Nepal
- Union of Romanian Geodesy, UGR and Romanian Association of Private Surveyors, APCGC, Romania

#### Working Week 2016

- Chamber of Graduated Surveyors Bulgaria, Bulgaria
- New Zealand Institution of Surveyors, NZIS, New Zealand
- Union of Romanian Geodesy, UGR and Romanian Association of Private Surveyors, APCGC, Romania

The Council is preparing a desktop evaluation report on the bids that will be implemented and published **10 April 2012**. In the evaluation report following issues will be described for comparison:

- Rotation of the conferences (region);
- Country (hosting of earlier FIG events);
- Member association (its activeness, commitment to FIG and to FIG 2015/2016);
- Supporting organisations (local support to the Working Week);
- Host city (characteristics and interest from congress programme point of view);
- Venue (technical issues of proposed congress centre, hotels etc.);
- Access (flight connections);
- Safety and security (including political stability);
- Environment issues;
- Proposed dates (in relation to FIG requirements);
- Technical programme (coverage of all FIG Commissions, potential partners);
- Technical tours (coverage of all FIG Commissions);
- Social programme (attractiveness and variety);
- Attendance (expectation of international, regional and local attendance);
- Accommodation (hotel costs);
- Finances (estimate of surplus and financial risks);
- Sponsorship (estimate sponsorship and exhibition income);
- Attractiveness (general attractiveness as congress destination).

The evaluation report will not give a recommendation or a preference to any candidate but it will list their qualifications on each subject above and summarise the pros and cons of each candidate to assist the member association in making their decision. During the last years the influence of economy as well as security concerns has increased in the decision making process. This relates both to participation and registration fees, hence the overall costs and anticipated returns to the organisers. The purpose of the evaluation process is to maintain the high standard and quality of the congress.

The Council has considered the bids and decided to present all submitted bids to the General Assembly for its decision.

#### **Appendix to item 20 and 27:**

Evaluation Report on the Bids for Working Week 2015 and 2016, to be available 10 April 2012

Bidding documents for Working Week 2015:

- Chamber of Graduated Surveyors Bulgaria, Bulgaria
- Nepal Institution of Chartered Surveyors, NICS, Nepal
- Union of Romanian Geodesy, UGR and Romanian Association of Private Surveyors, APCGC, Romania

Bidding documents for Working Week 2016:

- Chamber of Graduated Surveyors Bulgaria, Bulgaria
- New Zealand Institution of Surveyors, NZIS, New Zealand
- Union of Romanian Geodesy, UGR and Romanian Association of Private Surveyors, APCGC, Romania

At the session each candidate will be given the same time (10 minutes for those Bulgaria and Romania who are bidding for 2015 and 2016 and 10 minutes for Nepal and New Zealand) to make a presentation of their destination and framework of the Working Week and their bid.

Decision on the venue of FIG Working Week 2015 and Working Week 2016 will be made at the second session of the General Assembly on 10<sup>th</sup> May. The voting will be made by blind votes. If there will be no absolute majority in the first voting for any of the Working Weeks, second vote will be organised between those two candidates that have most votes. If the applicant that has applied for Working Week 2015 is not successful it will go for the selection of the venue for the Working Week 2016.

**Motion:** That the General Assembly records the presentations and decides to make the decision on the venue at its second session.

**Decision:**

**TUESDAY 8 MAY, 2012**

**Tuesday, 8 May, 16:00-17:30  
Tbc, Rome Cavalieri**

**Presidents' Meeting**

## 21. PRESIDENTS' MEETING

This session is reserved for Presidents or Heads of delegation (or their representatives) of member associations to discuss issue of their common interest. It is expected that the main topic this year will be the report from the Working Group on Voting Rights. President of CNGGeL (or his nominee) will chair the meeting.

**Appendix to item 13, 21 and 29:** Working Group on Voting Rights – Chairperson's report

**Annex 1:** History of Voting Rights in FIG – only short version; full version on the web

**Annex 2:** Participation of Member Associations of FIG in the General Assemblies 200-2011

**Motion:** Summary notes from the meeting including discussion on voting rights will be recorded and presented back to the General Assembly in its second session on 10<sup>th</sup> May 2012.

**Decision:**

**THURSDAY 10 MAY, 2012**

**Thursday, 10 May, 8:30-10:00**  
**Salone dei Cavalieri 2, Rome Cavalieri**  
**Presidents' Meeting** (by invitation only)

22. FIG PRESIDENT'S MEETING

Separate invitation to Presidents of the Member Associations.

**Thursday, 10 May, 10:00–12:00 and 13:00-15:00**  
**Salone dei Cavalieri 3 & 4, Rome Cavalieri**  
**General Assembly, Second Session**

**Thursday, 10 May, 10:00–12:00 and 13:00-15:00**

23. ROLL CALL

Vice President Staiger to take the roll call.

**Please note:** The roll call will be done for member associations and affiliate members only. Delegates representing academic members, corporate members and correspondents as well as honorary presidents and honorary members will be entered in the records but they shall register before the meeting starts at the meeting place to the FIG officers. Member associations are asked to inform the FIG Office by **21 April 2012** about their attendance and at the same time to submit the names of their delegates and to inform who the leader of the delegation is. That only member associations that have paid all their membership fees to the end of 2010 are allowed to vote at the meeting, a list of member associations that are not allowed to vote has been published on the FIG web site **10 April 2012**.

To be noted that the General Assembly has appointed President Aziz Hilali from ONIGT, Morocco and Secretary General Enrico Rispoli from CNGeGL, Italy as tellers to this session of the General Assembly.

**Appendix to items 2 & 23:** Roll Call.

**Motion:** That present members are recorded in the minutes.

**Decision:**

24. MEMBERSHIP

The Council will decide on other membership issues considered in Rome and bring them for the General Assembly for decision or information as necessary.

**Motion:** That the General Assembly decides on the membership issues based on the proposal of the Council.

**Decision:**

## 25. ELECTION OF TWO VICE PRESIDENTS FOR 2013-2016

The General Assembly have heard presentation of the three candidates for the FIG Vice President 2013-2016 at the first session. The election will take place between Dr. Pengfei Cheng, CSGPC, China PR, Mr. Bruno Razza, CNGeGL, Italy and Mr. Yaacoub Saade, OSL, Lebanon..

The election will take place by blind votes following the FIG statutes and internal rules. The election will take place one position at a time. If there will be no absolute majority in the first voting, second vote will be organised between those two candidates that have most votes.

### **Appendix to item 18 and 25:** Profiles of the candidates

- Dr. Pengfei Cheng, CSGPC, China PR
- Mr. Bruno Razza, CNGeGL, Italy
- Mr. Yaacoub Saade, OSL, Lebanon

**Motion:** That the General Assembly elects two Vice Presidents for FIG for term of office 1.1.2013-31.12.2016.

### **Decision:**

## 26. ELECTION OF COMMISSION CHAIRS ELECT FOR 2013-2014

The General Assembly has listened to the presentations of the candidates for the position of the Commission Chairs Elect at its first meeting. At this meeting the General Assembly will elect the Chairs Elect for the term of office 1.1.2013-31.12.2014. The Chairs Elect will under normal circumstances be automatically elected as Chair of their Commission for the term of office 1.1.2015-31.12.2018.

The election will take place on the following candidates:

- Commission 1: Mr. Brian J. Coutts, NZIS, New Zealand  
Dr. Ping Xiao, CSGPC, China PR
- Commission 2: Ms. Liza Groenendijk, GIN, Netherlands
- Commission 3: Mr. Enrico Rispoli, CNGeGL, Italy
- Commission 4: Ms. Angela Kesiena Etuonovbe, NIS, Nigeria
- Commission 5: Prof. Volker Schwieger, DVW, Germany
- Commission 6: Dr. Ivo Milev, USLMB, Bulgaria
- Commission 7: Ms. Claire Galpin, OGE, France  
Ms. Gerda Schennach, OVG, Austria  
Dr. Daniel Steudler, geosuisse, Switzerland
- Commission 8: Mr. Raymond Chan Yuk Ming, HKIS, Hong Kong SAR, China  
Mr. Kwame Tenadu, GhIS, Ghana
- Commission 9: Prof. Liao Jinping (Patrick), CIREA, China PR

Because there is only one candidate for Commission 2, 3, 4, 5, 6 and 9, these candidates are appointed to Commission Chair Elect by the General Assembly.

For Commissions 1 and 8 there are two candidates for each Commission, so the election will take place between these two candidates.

For Commission 7 there are three candidates, so the election will take place between these three. If there will be no absolute majority in the first voting, second vote will be organised between those two candidates that have most votes.

The Council has proposed to postpone the election for Commission 10 to the General Assembly in 2013.

**Appendices to item 19 and 26:** Nomination templates of candidates to Commission Chairs Elect for 1.1.2013-31.12.2014:

Commission 1: Mr. Brian J. Coutts, NZIS, New Zealand  
Dr. Ping Xiao, CSGPC, China PR

Commission 2: Ms. Liza Groenendijk, GIN, Netherlands

Commission 3: Mr. Enrico Rispoli, CNGeGL, Italy

Commission 4: Ms. Angela Kesiena Etuonovbe, NIS, Nigeria

Commission 5: Prof. Volker Schwieger, DVW, Germany

Commission 6: Dr. Ivo Milev, USLMB, Bulgaria

Commission 7: Ms. Claire Galpin, OGE, France

Ms. Gerda Schennach, OVG, Austria

Dr. Daniel Steudler, geosuisse, Switzerland

Commission 8: Mr. Raymond Chan Yuk Ming, HKIS, Hong Kong SAR, China

Mr. Kwame Tenadu, GhIS, Ghana

Commission 9: Prof. Liao Jinping (Patrick), CIREA, China PR

**Motion:** That the General Assembly appoints or elects the Chair Elect to Commissions 1, 2, 3, 4, 5, 6, 7, 8 and 9 as described above and that the General Assembly decides to postpone the election of Chair Elect to Commission 10 to next General Assembly in 2013.

#### **Decision:**

#### 27. DECISION OF THE VENUES FOR FIG WORKING WEEK 2015 AND 2016

Candidates for hosting the FIG Working Week 2015 and Working Week 2016 have made their presentations in the first session of the General Assembly. The decision will be made between:

##### Working Week 2015

- Chamber of Graduated Surveyors Bulgaria, Bulgaria
- Nepal Institution of Chartered Surveyors, NICS, Nepal
- Union of Romanian Geodesy, UGR and Romanian Association of Private Surveyors, APCGC, Romania

##### Working Week 2016

- Chamber of Graduated Surveyors Bulgaria, Bulgaria
- New Zealand Institution of Surveyors, NZIS, New Zealand
- Union of Romanian Geodesy, UGR and Romanian Association of Private Surveyors, APCGC, Romania

#### **Appendices to item 20 and 27:**

Evaluation Report on the Bids for Working Week 2015 and 2016, to be available 10 April 2012

Bidding documents for Working Week 2015:

- Chamber of Graduated Surveyors Bulgaria, Bulgaria



- Nepal Institution of Chartered Surveyors, NICS, Nepal
- Union of Romanian Geodesy, UGR and Romanian Association of Private Surveyors, APCGC, Romania

Bidding documents for Working Week 2016:

- Chamber of Graduated Surveyors Bulgaria, Bulgaria
- New Zealand Institution of Surveyors, NZIS, New Zealand
- Union of Romanian Geodesy, UGR and Romanian Association of Private Surveyors, APCGC, Romania

The voting will be made by blind votes. If there will be no absolute majority in the first voting for any of the Working Weeks, second vote will be organised between those two candidates that have most votes. If the applicant that has applied for Working Week 2015 is not successful it will go for the selection of the venue for the Working Week 2016.

**Motion:** That the General Assembly decides on the venue for FIG Working Week 2015 and Working Week 2016.

**Decision:**

## 28. REPORTS FROM COMMISSIONS AND TASK FORCES

Commission Officers (ACCO), Commissions and Task forces will have their annual and other administrative meetings in Rome. They will report back to the General Assembly on any issues that need endorsement of the General Assembly or are of general interest.

**Motion:** That the General Assembly records the reports and decides on any recommendations arising from the reports.

**Decision:**

## 29. REPORTS FROM WORKING GROUP ON VOTING RIGHTS

Chairperson has presented his report on the Working Group activities at the first session of the General Assembly. The report has been discussed at the Presidents' Meeting on Tuesday. The Chairperson will report back to the General Assembly on the outcome of discussions during the week.

**Appendix to item 13, 21 and 29:** Working Group on Voting Rights – Chairperson's report

**Annex 1:** History of Voting Rights in FIG – only short version; full version on the web

**Annex 2:** Participation of Member Associations of FIG in the General Assemblies 2000-2011

**Motion:** That the General Assembly records the report and decides on next steps or proposals to the Council on how to proceed with the voting right issue..

**Decision:**

## 30. CO-OPERATION WITH THE FIG CORPORATE MEMBERS

A meeting for FIG Corporate Members will be organised in Rome. A report on co-operation between FIG and its Corporate Members will be given at the meeting.

**Motion:** That the General Assembly records the report.

**Decision:**

31. REPORT ON THE 8<sup>th</sup> FIG REGIONAL CONFERENCE IN MONTEVIDEO, URUGUAY

President Nelma Bénia from the Asociación de Agrimensores Uruguay and representatives of the Local Organising Committee will give a presentation on preparations of the 8<sup>th</sup> FIG Regional Conference in Montevideo, Uruguay.

**Motion:** That the General Assembly records the report for information.

**Decision:**

32. REPORT ON THE CONGRESS 2014 IN KUALA LUMPUR, MALAYSIA

President Mohammad Azmi Mohd Zin from the Association of Authorised Land Surveyors Malaysia and representatives of the Organising Committee of FIG 2014 will give a presentation on preparations of FIG Congress 2014.

**Motion:** That the General Assembly records the report for information.

**Decision:**

33. REPORT ON THE FIG WORKING WEEK 2013 IN ABUJA, NIGERIA, 2013

President Yakubu Maikano from the Nigerian Institution of Surveyors and representatives of the Organising Committee of FIG Working Week 2013 will give a presentation on preparations of FIG Working Week 2013.

**Motion:** That the General Assembly records the report for information.

**Decision:**

34. PRESENTATION OF CERTIFICATES OF APPRECIATION

CLOSING CEREMONY

**35<sup>th</sup> General Assembly  
Rome, Italy, 6 and 10 May 2012**

**Roll Call**

<b><u>MEMBER ASSOCIATIONS</u></b>	6 May	10 May
<b>Albania</b> Albania Association of Geodesy		
<b>Algeria</b> Ordre des Géomètres-Experts Fonciers		
<b>Argentina</b> Federación Argentina de Agrimensores FADA		
<b>Australia</b> Surveying and Spatial Sciences Institute SSSI		
<b>Austria</b> Österreichische Gesellschaft für Vermessung und Geoinformation (Austrian Society for Surveying and Geoinformation) OVG		
<b>Belarus</b> Land Reform Association		
<b>Belgium</b> Union Belge des Géomètres-Experts Immobiliers		
<b>Benin</b> Ordre des Géomètres Experts du Benin		
<b>Bosnia-Herzegovina</b> Geodetic Association of Herceg-Bosnia		
<b>*) Botswana</b> Botswana Surveying and Mapping Association		
<b>Brazil</b> Brazilian Society of Cartography, Geodesy, Photogrammetry and Remote Sensing SBC		
<b>Brunei Darussalam</b> Brunei Institution of Geomatics, BIC		
<b>Bulgaria</b> Union of Surveyors and Land Managers in Bulgaria		
<b>Bulgaria</b> Chamber of Graduate Surveyors		
<b>Cameroon</b> Ordre National des Geometres du Cameroun OGEC (National Order of Cameroon Surveyors NOCS)		
<b>Canada</b> Canadian Institute of Geomatics CIG		
<b>China P.R.</b> Chinese Society of Geodesy, Photogrammetry and Cartography		
<b>China P. R.</b> China Institute of Real Estate Appraisers and Agents CIREA		
<b>***) China P. R.</b> China Land Science Society CLSS		
<b>Congo D. R.</b> Federation des Ingenieurs Geometres-Topographes		
<b>Costa Rica</b> Colegio de Ingenieros Topógrafos de Costa Rica CFIA		
<b>Croatia</b> Croatian Geodetic Society HGD		
<b>Cyprus</b> Association of Rural Surveying Engineers of Cyprus		
<b>Cyprus</b> Cyprus Association of Property Valuers		
<b>Czech Republic</b> Czech Union of Surveyors and Cartographers CSVTS		
<b>Czech Republic</b> Czech Association of Certified Property Appraisers CSCOM		
<b>Denmark</b> Den danske Landinspektørforening DdL		
<b>Egypt</b> Egyptian Committee of Surveying and Mapping ECSM		
<b>Estonia</b> Eesti Geodeetide Ühing EGÜ (Association of Estonian Surveyors)		
<b>Ethiopia</b> Ethiopian Surveying Professionals Association (ESPA)		
<b>Fiji</b> Fiji Institute of Surveyors		
<b>Finland</b> Suomen Maanmittausinsinöörien Liitto MIL (The Finnish Association of Surveyors)		

<b>Finland</b> Maanmittausalan ammattikorkeakoulu- ja opistoteknisten Liitto MAKLI ry		
<b>France</b> Ordre des Géomètres-Experts OGE		
<b>France</b> Association Française de Topographie AFT		
<b>Georgia</b> Society of Professionals of Land Information Technologies SPLIT		
<b>Germany</b> DVW – Deutscher Verein für Vermessungswesen – Gesellschaft für Geodäsie, Geoinformation und Landmanagement		
<b>Ghana</b> Ghana Institution of Surveyors GhIS		
<b>Greece</b> Technical Chamber of Greece TEE		
<b>Greece</b> Hellenic Association of Rural and Surveying Engineers HARSE		
<b>Hong Kong SAR, China</b> The Hong Kong Institute of Surveyors HKIS		
<b>Hong Kong SAR, China</b> The Hong Kong Institution of Engineering Surveyors HKInstES		
<b>Hungary</b> Hungarian Society of Surveying, Mapping and Remote Sensing MFTTT		
<b>Indonesia</b> Ikatan Surveyor Indonesia ISI		
<b>Iran, Islamic Republic</b> Iranian Society of Surveyors ISS		
<b>Ireland</b> The Society of Chartered Surveyors SCS		
<b>Ireland</b> The Irish Institution of Surveyors IIS		
<b>Israel</b> Association of Licensed Surveyors in Israel ALSI		
<b>Italy</b> Consiglio Nazionale Geometri e Geometri Laureati CNGeGL		
<b>Jamaica</b> The Land Surveyors Association of Jamaica LSAJ		
<b>Japan</b> Nippon Sokuryosha Renmei (Japan Federation of Surveyors JFS)		
<b>Kenya</b> Institution of Surveyors of Kenya ISK		
<b>Korea, Republic of</b> Korea Confederation of Surveyors		
<b>Kosovo</b> Kosova Association of Surveyors		
<b>Latvia</b> Latvian Associations of Surveyors LMB		
<b>Lebanon</b> Ordre des Géomètres-Topographes du Liban		
<b>Liberia</b> Cadastral Surveyors Association of Liberia CASUAL		
<b>Lithuania</b> Lithuanian Association of Surveyors LMA		
<b>Lithuania</b> Lithuanian Association of Property Valuers LTVA		
<b>Luxembourg</b> Ordre Luxembourg des Géomètres OLG		
<b>Malaysia</b> Association of Authorised Land Surveyors Malaysia AALSM		
<b>Mali</b> Ordre des Geometres Experts du Mali OGE		
<b>Malta</b> The Malta Institution of Surveyors		
<b>Mongolia</b> Mongolian Association of Geodesy and Cartography MAGaC		
<b>Morocco</b> Ordre National des Ingénieurs Géometres-Topographes ONIGT		
<b>Nepal</b> Nepal Institution of Chartered Surveyors		
<b>Netherlands</b> Geo-informatie Nederland GIN		
<b>New Zealand</b> New Zealand Institute of Surveyors NZIS		
*) <b>Niger</b> Association des Géomètres Experts du Niger AGEN		
<b>Nigeria</b> Nigerian Institution of Surveyors NIS		
*) <b>Nigeria</b> The Nigerian Institute of Quantity Surveyors NIQS		
<b>Nigeria</b> Nigerian Institution of Estate Surveyors and Valuers NIESV		
<b>Norway</b> Norges Jordskifte kandidatforening NJKF, faglig gruppe af Tekna		

and GeoForum		
<b>Palestinian Authority</b> Licensed Surveyors Association in Palestine		
<b>Papua New Guinea</b> Association of Surveyors of Papua New Guinea ASPGN		
<b>Philippines</b> Geodetic Engineers of the Philippines, Inc.		
<b>Poland</b> Stowarzyszenie Geodetow Polskich SGP Association of Polish Surveyors		
<b>Portugal</b> Ordem dos Engenheiros, Colégio de Engenharia Geografica ORDENG Order of Engineers - College of Geographical Engineering		
<b>Puerto Rico, USA</b> Colegio de Ingenieros y Agrimensores de Puerto Rico CIAPR College of Engineers and Land Surveyors of Puerto Rico		
<b>Romania</b> Union of Romanian Geodesy		
<b>Romania</b> Romanian Association of Private Surveyors APCGCR		
<b>Russian Federation</b> Federal Service of State Registration, Cadastre and Cartography (Rosreestr)		
<b>** Russian Federation</b> NP Cadastral Engineers		
<b>Senegal</b> Ordre National des Géomètres Experts du Senegal (ONGES)		
<b>Serbia</b> Union of Surveying Engineers of Serbia		
<b>Slovak Republic</b> Slovak Union of Surveyors and Cartographers		
<b>Slovak Republic</b> Chamber of Surveyors and Cartographers KGK		
<b>Slovenia</b> Association of Surveyors of Slovenia ZGS		
<b>South Africa</b> South African Council for Professional and Technical Surveyors PLATO		
<b>Spain</b> Colegio Oficial de Ingenieros Técnicos en Topografía		
<b>Sri Lanka</b> Surveyors' Institute of Sri Lanka		
<b>Sweden</b> Association for Chartered Surveying, Property Evaluation and Transactions - ASPECT		
<b>Switzerland</b> geosuisse - Swiss Society of Geomatics and Landmanagement		
<b>Syria</b> Order of Syrian Engineers and Architects OSEA		
<b>Togo</b> Ordre des Géomètres du Togo OGT		
<b>Trinidad and Tobago</b> Institute of Surveyors of Trinidad and Tobago		
<b>Tunisia</b> Association Nationale des Ingenieurs Géomètres-Experts Tunisiens ANIGET		
<b>Turkey</b> TMMOB Chamber of Surveying Engineers of Turkey		
<b>Ukraine</b> Ukrainian Society of Geodesy and Cartography		
<b>United Kingdom</b> The Royal Institution of Chartered Surveyors RICS		
<b>United Kingdom</b> Chartered Institution of Civil Engineering Surveyors ICES		
<b>United States of America.</b> American Congress on Surveying and Mapping ACSM		
<b>United States of America</b> The Appraisal Institute AI		
<b>Uruguay</b> Asociacion de Agrimensores del Uruguay		
<b>Vietnam</b> Association of Geodesy, Cartography and Remote Sensing VGCR		

<b>Zimbabwe Survey Institute of Zimbabwe SIZ</b>		
*) to be expelled 6 May 2012		
***) membership to be approved 6 May 2012		
****) no voting right 6 May 2012 unless arrears paid	106	103
<b><u>AFFILIATES</u></b>		
<b>Afghanistan</b> (Afghan Land Consulting Organization, ALCO)		
<b>Afghanistan</b> (Afghanistan Information Management Services, AIMS)		
<b>Australia and New Zealand</b> (ANZLIC)		
<b>Belgium</b> (General Administration of the Patrimonial Documentation)		
<b>Brunei Darussalam</b> (Survey Department)		
<b>Cambodia</b> (Ministry of Land Management, Urban Planning and Construction)		
<b>Chile</b> (Servicio Hidrográfico y Oceanográfico de la Armada de Chile)		
<b>China P. R.</b> (China Land Surveying and Planning Institute)		
<b>Colombia</b> (Instituto Geográfico Agustín Codazzi, IGAC)		
<b>Colombia</b> (Alcaldía Mayor de Bogotá DC)		
<b>Croatia</b> (State Geodetic Administration of Republic of Croatia, DGU)		
<b>Cyprus</b> (Lands and Surveys Department)		
<b>Denmark</b> (National Survey and Cadastre, Denmark)		
<b>Fiji</b> (Ministry of Lands and Mineral Resources)		
<b>Finland</b> (National Land Survey of Finland)		
<b>Hungary</b> (Institute of Geodesy, Cartography and Remote Sensing, FÖMI)		
<b>Iceland</b> (The Land Registry of Iceland)		
<b>Iran</b> (National Cartographic Center)		
<b>Iraq, Republic of</b> (General Directorate for Surveying, Ministry of Water Resources)		
<b>Israel</b> (Survey of Israel)		
<b>Italy</b> (Italian Society of Photogrammetry and Topography, SIFET)		
<b>Jordan</b> (Department of Lands & Survey)		
<b>Lao People's Democratic Republic</b> (National Geographic Department)		
<b>Macedonia (FYROM)</b> (State Authority for Geodetic Works)		
<b>Mexico</b> (National Institute of Statistics, Geography and Informatics, INEGI)		
<b>Moldova</b> (Agency for Land Administration and Cadastre of Republic of Moldova)		
<b>Mongolia</b> (Administration of Land Affairs, Geodesy & Cartography)		
<b>Namibia</b> (Office of the Surveyor General)		
<b>Nepal</b> (Survey Department, Government of Nepal)		
<b>Netherlands</b> (Cadastre, Land Registry and Mapping Agency)		
<b>Norway</b> (Norwegian Mapping and Cadastre Authority)		
<b>Romania</b> (National Agency for Cadastre and Land Administration)		
<b>Russian Federation</b> (Siberian State Academy of Geodesy)		
<b>Rwanda</b> (Ministry of Lands, Resettlement and Environment)		
<b>Saudi Arabia, Kingdom of</b> (Ministry of Municipal and Rural Affairs)		
<b>Sri Lanka</b> (Survey Department, Sri Lanka)		
<b>Sweden</b> (Lantmäteriet)		

<b>Switzerland</b> (Swiss Federal Office of Topography, swisstopo)		
<b>United Arab Emirates</b> (Surveying Department, Dubai)		
<b>USA</b> (NOAA, National Geodetic Survey)		
<b>USA</b> (Cadastral Survey Bureau of Land Management, Dept. of the Interior, BLM)		
	/41	/41
<b><u>CORRESPONDENTS</u></b>		
<b>Bahrain</b>		
<b>Bhutan</b>		
<b>Eritrea</b>		
<b>Gabon</b>		
<b>India</b>		
<b>Lesotho</b>		
<b>Madagascar</b>		
<b>Peru</b>		
<b>Saint Lucia, WI</b>		
<b>Tanzania (Zanzibar)</b>		
<b>Thailand</b>		
<b>Tonga</b>		
<b>Tunisia</b>		
<b>Tuvalu</b>		
	/14	/14
<b><u>ACADEMIC MEMBERS</u></b>		
<b>Australia</b> The University of Melbourne		
<b>Australia</b> RMIT University		
<b>Australia</b> University of New South Wales		
<b>Australia</b> University of Southern Queensland		
<b>Australia</b> University of Technology Sydney		
<b>Austria</b> BOKU, Vienna		
<b>Bahrain</b> Arabian Gulf University		
<b>Belgium</b> University of Applied Sciences Kaho Sint-Lieven		
<b>Belgium</b> ECAM - Haute Ecole Leonard de Vinci, Département Construction		
<b>Belgium</b> University of Liege, Unit of Geomatics		
<b>Botswana</b> University of Botswana		
<b>Brazil</b> UNISINOS		
<b>Canada</b> University of Calgary		
<b>Canada</b> University of New Brunswick		
<b>Canada</b> Université Laval		
<b>Chile</b> Universidad de Concepcion		
<b>China</b> Renmin University of China, School of Public Administration		
<b>Colombia</b> Universidad Distrital, Facultad de Ingenieria		
<b>Colombia</b> Universidad Distrital, Facultad del Medio Ambiente y Recursos Naturales		
<b>Croatia</b> University of Zagreb		
<b>Cyprus</b> Neapolis University Pafos		
<b>Czech Republic</b> Brno University of Technology		

<b>Denmark</b> Aalborg University		
<b>Egypt</b> National Water Research Center		
<b>Egypt</b> National Research Institute of Astronomy & Geophysics		
<b>Ethiopia</b> Institute of Land Administration, Bahir Dar University		
<b>Finland</b> Aalto University School of Science and Technology		
<b>Finland</b> Helsinki Metropolia University of Applied Sciences		
<b>France</b> Ecole Supérieure des Géomètres et Topographes		
<b>Germany</b> Technische Universität München		
<b>Germany</b> Anhalt University of Applied Sciences		
<b>Germany</b> Technische Universität Berlin		
<b>Germany</b> Center for Soil Protection and Land Use Policy		
<b>Ghana</b> University of Mines and Technology (UMaT)		
<b>Greece</b> National Technical University of Athens NTUA		
<b>Hong Kong SAR, China</b> The Hong Kong Polytechnic University		
<b>Hungary</b> University of West Hungary		
<b>Hungary</b> UNIGIS International Association		
<b>Ireland</b> Dublin Institute of Technology		
<b>Israel</b> Technion – Israel Institute of Technology		
<b>Jamaica</b> University of Technology Jamaica		
<b>Kazakhstan</b> East Kazakhstan State Technical University		
<b>Kosovo</b> University of Prishtina		
<b>Latvia</b> Riga Technical University		
<b>Malaysia</b> Universiti Teknologi Malaysia, Department of Geomatics Engineering		
<b>Mexico</b> Universidad Autónoma de Nuevo León		
<b>Morocco</b> IAV, Institut Agronomique et Vétérinaire Hassan II		
<b>Nepal</b> Land Management Training Centre		
<b>Netherlands</b> ITC International Institute for Geo-Information Science and Earth Observation		
<b>New Zealand</b> University of Otago		
<b>Nigeria</b> Abia State Polytechnic		
<b>Norway</b> Norwegian University of Life Sciences, Department of Mathematical Sciences and Technology		
<b>Norway</b> Bergen University College		
<b>Oceania</b> University of the South Pacific		
<b>Palestine Authority</b> Palestine Polytechnic University		
<b>Poland</b> Agricultural University of Krakow		
<b>Puerto Rico, USA</b> Universidad de Puerto Rico		
<b>Puerto Rico, USA</b> Polytechnic University of Puerto Rico		
<b>Romania</b> 1 Decembrie 1918 University of Alba Iulia		
<b>Russian Federation</b> Moscow State University of Geodesy and Cartography, Economic and Land Management		
<b>Russian Federation</b> State University of Land Use Planning		
<b>Saudi Arabia</b> "TECRS" The Environmental Center of Remote Sensing		
<b>Serbia</b> University of Novi Sad, Faculty of Technical Sciences		
<b>Singapore</b> National University of Singapore		
<b>Slovenia</b> University of Ljubljana		



<b>South Africa</b> University of Cape Town		
<b>Spain</b> Universidad Politécnica de Madrid		
<b>Spain</b> Universidade de Santiago de Compostela		
<b>Sweden</b> Lund University LTH		
<b>Sweden</b> Royal Institute of Technology		
<b>Switzerland</b> University of Applied Sciences Northwestern Switzerland		
<b>Turkey</b> Istanbul Technical University		
<b>Turkey</b> Zonguldak Karaelmas University		
<b>Uganda</b> Makerere University		
<b>United Kingdom</b> Kingston University		
<b>United Kingdom</b> Newcastle University		
<b>United Kingdom</b> The University of Nottingham		
<b>United Kingdom</b> Oxford Brookes University		
<b>United Kingdom</b> Reading University		
<b>United Kingdom</b> Sheffield Hallam University		
<b>United Kingdom</b> University of the West of England		
<b>USA</b> New Mexico State University		
<b>USA</b> Texas A&M University – Corpus Christi		
<b>USA</b> University of Houston		
<b>West Indies</b> University of the West Indies		
	/85	/85
<b><u>CORPORATE MEMBERS</u></b>		
<b>Platinum level</b>		
Bentley Systems		
Environmental Systems Research Institute, Inc. (ESRI)		
Leica Geosystems AG		
Trimble Navigation Ltd.		
<b>Silver level</b>		
Ashtech		
COWI A/S		
FARO		
Geoweb S.p.A.		
Grontmij nv		
Hi-Target Survey Instruments Company Ltd		
Meridian+		
<b>Bronze level</b>		
AED-SICAD Aktiengesellschaft		
GIM International – Geomares Publishing		
IGN France International		
KQ Geo Technologies		
Mason Land Surveys Limited		
SEPRET (Société des Etudes de Projets et Réalisation des Travaux)		
<b>Basic level</b>		
Derinsu Underwater Engineering Ltd.		
Global Survey		
Thomson-Reuters		

<b>Regional level</b>		
Cameroon Engineering		
Concord Surveying Works Co.		
Coordinates Magazines		
Geo:connexion		
Institut Cartogràfic de Catalunya		
ORBITS Engineering Firm		
	/25	/25
<b>HONORARY PRESIDENTS</b>		
Juha Talvitie		
Robert W. Foster		
Holger Magel		
Stig Enemark		
<b>HONORARY MEMBERS</b>		
<b>COMMISSION CHAIRS 2011-2014</b>		
Commission 1 – Leonie Newnham		
Commission 2 – Steven Frank		
Commission 3 – Yerach Doytsher		
Commission 4 – Michael Sutherland		
Commission 5 – Mikael Lilje		
Commission 6 – Gethin W. Roberts		
Commission 7 – Daniel Roberge		
Commission 8 – Wafula Nabutola		
Commission 9 – Frances Plimmer		
Commission 10 – Robert Šinkner		
<b>PERMANENT INSTITUTIONS</b>		
International Office of Cadastre and Land Records (OICRF)		
International Institution for the History of Surveying and Measurement, Permanent Institution of FIG		
<b>FIG FOUNDATION</b> – President John Hohol		
<b>FIG COUNCIL</b>		
President CheeHai Teo		
Vice President Dalal S. Alnaggar		
Vice President Iain Greenway		
Vice President Chryssy A. Potsiou		
Vice President Rudolf Staiger		

**INTERNATIONAL FEDERATION OF SURVEYORS**

**FIG 34<sup>th</sup> GENERAL ASSEMBLY**

**18 and 22 May 2011**

**Salle Mazagan, Ryad Mogador Hotel (18 May) and Palais des Congrès (22 May),  
Marrakech, Morocco**

**List of Minutes Items**

**Wednesday, 18 May, 09:00-12:00 and 13:00-15:00**

1. OPENING PROCEEDINGS
2. ROLL CALL
3. APPOINTMENT OF TELLERS
4. ADOPTION OF THE AGENDA
5. ADOPTION OF THE MINUTES OF THE 33<sup>rd</sup> GENERAL ASSEMBLY
6. MEMBERSHIP
7. EVALUATION REPORT OF FIG ACTIVITIES 2007-2010
8. PRESIDENT'S REPORT
9. APPOINTMENT OF AN HONORARY PRESIDENT
10. REPORTS FROM FIG COMMISSIONS AND FIG NETWORKS 2007-2010
11. REPORTS FROM THE DIRECTORS OF PERMANENT INSTITUTIONS 2010
12. REPORT OF THE PRESIDENT OF THE FIG FOUNDATION 2010
13. REPORTS OF TASK FORCES 2010
14. CO-OPERATION WITH THE UNITED NATIONS AND THE WORLD BANK
15. LIAISON WITH INTERNATIONAL PROFESSIONAL ORGANISATIONS
16. FIG COUNCIL WORK PLAN 2011-2014
17. COMMISSION WORK PLANS 2011-2014
18. TASK FORCE ON SURVEYORS AND CLIMATE CHANGE
19. TASK FORCE ON PROPERTY AND HOUSING
20. FIG ACCOUNTS FOR 2010 AND AUDITOR'S REPORT AND BUDGET FOR 2011 AND 2011-2014
21. SUBSCRIPTION RATES FOR 2013
22. MEMBERSHIP ISSUES (VOTING RIGHTS)

**Friday, 20 May, 11:00-12.30 – Breakout Session on Membership Issues (Voting Rights)**

23. BREAKOUT SESSION ON MEMBERSHIP ISSUES (VOTING RIGHTS)

**Sunday, 22 May, 8:30-10:30 – Presidents' Meeting (by invitation only)**

24. PRESIDENTS' MEETING

**Sunday, 22 May, 11:00–12:30 and 14:00-16:00**

25. ROLL CALL
26. MEMBERSHIP
27. REPORTS FROM ACCO AND COMMISSION CHAIRS
28. REPORTS FROM TASK FORCES
29. CO-OPERATION WITH THE FIG CORPORATE MEMBERS
30. MEMBERSHIP ISSUES (VOTING RIGHTS)

31. VENUE OF FIG WORKING WEEK 2015
32. REPORT ON THE FIG CONGRESS 2014 IN KUALA LUMPUR, MALAYSIA
33. REPORT ON THE FIG WORKING WEEK 2013 IN ABUJA, NIGERIA, 2013
34. FIRST FIG YOUNG SURVEYIRS CONFERENCE, ROME, ITALY, 4-5 MAY 2012
35. REPORT ON THE FIG WORKING WEEK 2012 IN ROME, ITALY, 6-11 MAY, 2012
36. PRESENTATION OF CERTIFICATES OF APPRECIATION  
CLOSING CEREMONY

# FIG 34<sup>th</sup> GENERAL ASSEMBLY

## MINUTES

of the meetings held in Salle Mazagan, Ryad Mogador Hotel on Wednesday 18<sup>th</sup> May and in Salle Royale at the Palais des Congrès, Marrekech, Morocco on Sunday 22<sup>nd</sup> May 2011

### WEDNESDAY, 18 MAY

#### First Session, Wednesday, 18 May, 09:00-12:00 and 13:00-15:00

##### 1. OPENING PROCEEDINGS

President CheeHai Teo opened the 34th General Assembly and welcomed the members and delegates to Marrakech, Morocco and the first General Assembly of the current four-year term.

The President expressed condolences to the victims, the people and surveyors that have been impacted by natural disasters over the past few months in Australia, New Zealand and Japan as well as the bomb blast of 28 April 2011 in Marrakech.

The President expressed his gratitude to members and delegates for their participation and acknowledged the hard work of ONIGT and the local organising committee to assure the security and safety at this Working Week. The Working Week in Marrakech with more than 1,400 participants from more than 90 countries and with more than 50 exhibitors is the biggest Working Week in FIG history.

The President welcomed Honorary Presidents Juha Talvitie, Robert W. Foster and Holger Magel to the meeting and noted several greetings and apologies that were received from member associations and other members.

##### 2. ROLL CALL

Vice President Rudolf Staiger took the roll call. The roll call was made only for member associations. Delegates representing affiliate members, academic members, corporate members and correspondents as well as honorary presidents and honorary members were entered in the records based on their registration and information given to the FIG Office.

Recorded that based on the decision of the General Assembly in 2006 only those member associations that had paid all their membership fees to the end of 2010 are allowed to vote at the meeting. A list of member associations that are not allowed to vote was published on the FIG web site on 18 April and updated on 12 May 2011.

##### **Appendix to items 2 & 25:** Roll Call

**Appendix to items 2 & 25:** List of member associations that are not allowed to vote at the General Assembly because of unpaid membership fees for 2010 and earlier.

50 member associations out of 104 were present at this session, which is more than one third of the membership needed for the General Assembly to be constitutionally valid. 43 member associations were allowed to vote.

**Motion:** That members present are recorded in the minutes.

**Decision:** The motion was adopted.

### 3. APPOINTMENT OF TELLERS

The General Assembly shall appoint two persons as tellers following the principle that one of the tellers will represent member associations hosting the preceding (Surveying and Spatial Sciences Institute, SSSI, Australia) and the current General Assembly (the Ordre National des Ingénieurs Géomètres-Topographes, ONIGT, Morocco).

**Motion:** That the General Assembly appoints Mr. Rob Sarib from SSSI and President Aziz Hilali from ONIGT as a teller for the two sessions of the General Assembly.

**Decision:** The motion was adopted.

### 4. ADOPTION OF THE AGENDA

**Motion:** That the agenda be adopted with addition to add new item 34: *First FIG Young Surveyors Conference in Rome, Italy, 4-5 May 2012.*

**Decision:** The motion was adopted.

### 5. ADOPTION OF THE MINUTES OF THE 33<sup>rd</sup> GENERAL ASSEMBLY

Minutes have been circulated previously.

**Appendix to item 5:** Minutes of the General Assembly in Sydney, Australia, April 2010, without appendices.

**Motion:** That the minutes be adopted as recorded.

**Decision:** The motion was adopted.

### 6. MEMBERSHIP

#### 6.1 Acceptance of new members

##### 6.1.1 Ethiopian Surveying Professionals Association (ESPA)

The Ethiopian Surveying Professionals Association (ESPA) has submitted an application to become a member association of FIG from Ethiopia. The association was constituted in 2010 and currently has 245 full members. The application meets the criteria for membership in FIG as a member association. The Council has considered the application and believes that the association meets criteria for membership of FIG as a member association.

**Appendix to item 6.1.1:** Membership application from the Ethiopian Surveying Professionals Association (ESPA).

**Motion:** That the General Assembly admits the Ethiopian Surveying Professionals Association (ESPA) to become a member association of FIG.

**Decision:** The motion was adopted.

### 6.1.2 Ordre National des Geomètres Experts du Senegal (ONGES)

The Ordre National des Geomètres Experts du Senegal (ONGES) has submitted an application to become a member association of FIG from Senegal. The association is constituted by law and has 59 full members. The application meets the criteria for membership in FIG as a member association. The Council has considered the application and believes that the association meets criteria for membership of FIG as a member association.

**Appendix to item 6.1.2:** Membership application from the Ordre National des Geomètres Experts du Senegal (ONGES).

**Motion:** That the General Assembly admits the Ordre National des Geomètres Experts du Senegal (ONGES) to become a member association of FIG.

**Decision:** The motion was adopted and the FIG President gave Mr. Mamadou Ndir, President of ONGES the membership certificate.

### 6.1.3 Nigerian Institution of Estate Surveyors and Valuers (NIESV)

The Nigerian Institution of Estate Surveyors and Valuers (NIESV) has submitted an application to become the third member association of FIG from Nigeria. The association has 450 full members. The application meets the criteria for membership in FIG as a member association. The Nigerian Institution of Surveyors is supporting the application. The Council has considered the application and believed that the association meets criteria for membership of FIG as a member association.

**Appendix to item 6.1.3:** Membership application from the Nigerian Institution of Estate Surveyors and Valuers (NIESV).

**Motion:** That the General Assembly admits the Nigerian Institution of Estate Surveyors and Valuers (NIESV) to become a member association of FIG.

**Decision:** The motion was adopted and the FIG President gave Dr. Muhammad Bashar Nuhu, representative of NIESV the membership certificate at the meeting.

## 6.2 Expulsion of member associations

Subscriptions of following member associations are more than three years in arrears:

- Association of Private Surveyors (APS), Armenia (understood that the association has been terminated)
- FENEA – Federação Nacional dos Engenheiros Agrimensores, Brazil
- Association des Géomètres et Topographes du Burkina (AGT-B), Burkina Faso
- Institution of Surveyors of Tanzania (IST), Tanzania
- Association Nationale des Ingenieurs Géomètres-Experts Tunisiens (ANIGET), Tunisia

The General Assembly has powers to expel from the Federation any member association whose fees are in arrears and shall under normal circumstances expel any member association whose fees are three years in arrears. (Article 4.3 of the Statutes). The FIG office has sent a letter to these associations informing that if their membership fees are still in arrears at the time of the General Assembly the General Assembly shall expel these member associations in Marrakech.

After acceptance of new member associations and expulsions the number of FIG member associations is 99.

**Motion:** That the General Assembly expels the

- Association of Private Surveyors (APS), Armenia (understood that the association has been terminated)
- FENEA – Federação Nacional dos Engenheiros Agrimensores, Brazil
- Association des Géomètres et Topographes du Burkina (AGT-B), Burkina Faso
- Institution of Surveyors of Tanzania (IST), Tanzania
- Association Nationale des Ingenieurs Géomètres-Experts Tunisiens (ANIGET), Tunisia from the FIG membership if their membership fees still are in arrears 18 May 2011.

**Decision:** The motion was adopted. It was noted that ANIGET from Tunisia paid its arrears during the week and its membership was restored at the second session of the General Assembly.

### 6.3 Other membership issues

#### Affiliate members

The FIG Council has accepted following new affiliate members to FIG after the latest General Assembly in 2010:

- China Land Surveying and Planning Institute, China, P. R.
- Survey Department, Sri Lanka
- Cyprus Lands and Surveys Department, Cyprus
- Unidad Administrativa Especial de Catastro Distrital – UAECD, Colombia

After these admissions the number of affiliate members is 40.

#### Corporate members

The Council has admitted the following companies to become a Corporate Member of FIG after the General Assembly in 2010:

- FARO. Germany (category C – silver level).
- Hi-Target Survey Instruments Company Ltd, China P. R. (category C – silver level)
- Global Survey Qatar, Qatar (category E - basic level)

Following corporate members have terminated their membership:

- Intergraph Mapping and Geospatial Solutions
- TOPCON CORPORATION
- SOKKIA TOPCON CO., LTD
- P. V. Publications Ltd
- Al-Mutakamilah Real Estate (Cityplex)
- Eimar Arabia Real Estate Development Co
- LKN Earth Research & Consulting
- Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany

In addition the membership of Magellan has been taken over by Ashtech.

The Council has expelled at its meeting 16 May 2011 following two corporate members: Sedic (from Sudan) and Associated Surveyors (from Pakistan).

After these changes the number of corporate members is 29.



## Academic members

The Council has admitted the following universities and institutions to become an academic member:

- Zonguldak Karaelmas University, Geodesy and Photogrammetry (Geomatics) Engineering, Turkey
- East Kazakhstan State Technical University named after D. Serikbayev, Department Geodesy, Cadastre and Land Management, Kazakhstan
- Bergen University College, Faculty of Engineering, Norway
- University of Prishtina, Faculty of Civil Engineering and Architecture, Department of Geodesy, Kosovo
- Neapolis University Paphos, Cyprus

Following universities have terminated their membership:

- Institut de Geomàtica, Spain (from 2011)
- The College of Estate Management, United Kingdom
- University of Applied Sciences Oldenburg/Ostfriesland/Wilhelmshafen, Germany (from 1.1.2012)

The number of Academic Members after these changes is 90.

The FIG Office has sent final warnings to affiliate, academic and corporate members whose membership fees are two years or more in arrears. Decision on these expulsions would be made by the Council later this year.

**Motion:** That the General Assembly notes the actions that the Council has taken with other membership matters.

**Decision:** The motion was adopted.

## 7. EVALUATION REPORT OF FIG ACTIVITIES 2007-2010

Prof. Stig Enemark, FIG President 2007-2010 prepared a Final Progress Report on Evaluation of the FIG Council Work Plan 2007-2010 and was invited to present the report orally to the General Assembly. The presentation of Prof. Enemark's presentation is included in the minutes.

### **Appendix to item 7:**

- Final Progress Report on Evaluation of the FIG Council Work Plan 2007-2010.
- Presentation of Prof. Enemark on the Evaluation of the FIG Council Work Plan, handouts of PowerPoint presentation

**Motion:** That the General Assembly adopts the Final Progress Report on Evaluation of the FIG Council Work Plan 2007-2010 and records its sincere thanks and recognition to Prof. Stig Enemark as the FIG President 2007-2010 and his co-members in the Council.

**Decision:** The motion was adopted.

## 8. PRESIDENT'S REPORT

President CheeHai Teo gave the President's report on the activities of the President and the Council since the handover of the FIG administration 1 January 2011.

### **Appendix to item 8:**

- President's report.
- Handouts of President's PowerPoint presentation

**Motion:** That the General Assembly accepts the President's report.

**Decision:** The motion was adopted.

## 9. APPOINTMENT OF AN HONORARY PRESIDENT

### **Prof. Stig Enemark**

The Danish Association of Chartered Surveyors (DdL) has sent the Federation a nomination letter that proposed Prof. Stig Enemark, immediate Past President of FIG as an Honorary President of FIG. Henning Elmstroem, President of DdL from Denmark, presented DdL's recommendation that Prof. Stig Enemark's be appointed an Honorary President of FIG.

According to paragraph 3.1.6 in the statutes "a past president who has rendered outstanding service to the Federation during his period of office can be appointed as an honorary president". Nomination shall be made by a member association or by the Council, which will consider it and submit it to a vote of the General Assembly. The Council has considered the nomination and considers that it fulfils the criteria for an Honorary President and therefore proposed to the General Assembly that it appoints Prof. Enemark as an Honorary President of the Federation for the outstanding services he has provided to the Federation as its President 2007–2010.

**Appendix to item 9:** The nomination letter from the Danish Association of Chartered Surveyors

**Motion:** That the General Assembly appoints Prof. Stig Enemark an Honorary President of FIG.

**Decision:** The General Assembly appointed Prof. Enemark an Honorary President of FIG with standing ovation. Prof. Enemark was presented his badge with gold oak leaves and certificate of Appointment as Honorary President for his outstanding services as the FIG President 2007-2010.

## 10. REPORTS FROM FIG COMMISSIONS AND FIG NETWORKS 2007-2010

Commission Chairs, 2007-2010, have submitted a written report on the Commission activities during his/her term of office 2007-2010 except Commission 1 and 10. These reports include final progress reports of the Commission and all Commission working groups. Thus the reports summarises the main activities over the four-year period and focus on the highlights after the written report to the General Assembly in Sydney. The reports include also the Standards Network.

**Appendices to item 10:** Commission reports:

- 10.01** Commission 1, not submitted
- 10.02** Commission 2
- 10.03** Commission 3
- 10.04** Commission 4
- 10.05** Commission 5

- 10.06 Commission 6
- 10.07 Commission 7
- 10.08 Commission 8
- 10.09 Commission 9
- 10.10 Commission 10, not submitted
- 10.11 Standards Network, 2010
- 10.12 Young Surveyors Network, 2010, not submitted

FIG Commissions have finalized the following publications that have been circulated to members after the Handover Ceremony in November 2010:

- No. 54 Compulsory Purchase and Compensation – Recommendations for Good Practice. FIG Policy Statement, 2010. Available on the web at:  
<http://www.fig.net/pub/figpub/pub54/figpub54.htm>
- No. 55 Spatial Planning in Coastal Regions. Facing the Impact of Climate Change. FIG Report 2010. Available on the web at: <http://www.fig.net/pub/figpub/pub55/figpub55.htm>
- No. 56 Guidelines for the Planning, Execution and Management of Hydrographic Surveys in Ports and Harbours. FIG Report 2010. Available on the web at:  
<http://www.fig.net/pub/figpub/pub56/figpub56.htm>

**Motion:** That the General Assembly adopts the end of term reports of the Commission Chairs, 2007-2010 and records its thanks to the chairs and other officers of the Commissions and Networks for their outstanding work.

**Decision:** The motion was adopted and the General Assembly recorded its thanks to all chairs and Commission officers for their work during their term of office 2007-2010.

## 11. REPORTS FROM THE DIRECTORS OF PERMANENT INSTITUTIONS 2010

### 11.1 International Office of Cadastre and Land Records (Office International du Cadastre et du Régime Foncier) OICRF

Mr. Christiaan Lemmen, Director of OICRF had prepared a report on the OICRF activities since the General Assembly in Sydney. He gave a supplementary oral report at the General Assembly.

**Appendix to item 11.1:** Report from the International Office of Cadastre and Land Records (Office International du Cadastre et du Régime Foncier) OICRF.

**Motion:** That the General Assembly adopts the report and records its thanks to the members of OICRF for their past year's work.

**Decision:** The motion was adopted.

### 11.2 International Institution for the History of Surveying and Measurement, Permanent Institution of FIG

Mr. Jan de Graeve, President of the IIHSM had prepared a report on the IIHSM activities since the General Assembly in Sydney. Mr. Alan Wright (UK) gave a supplementary report orally on behalf of IIHSM and its Director at the meeting.

**Appendix to item 11.2:** Report from the International Institution for the History of Surveying and Measurement, Permanent Institution of FIG.

**Motion:** That the General Assembly adopts the report and records its thanks to the Director and the members of the permanent institution for their past year's work.

**Decision:** The motion was adopted.

## 12. REPORT OF THE PRESIDENT OF THE FIG FOUNDATION

Mr. John Hohol, President of the FIG Foundation had prepared a report on the FIG Foundation activities from April 2010 to February 2011. He made a supplementary report orally at the General Assembly.

### **Appendix to item 12:** Report of the FIG Foundation activities 2010-2011

**Motion:** That the General Assembly

- adopts the report of the President of the FIG Foundation and records its thanks to the President and members of the Board of Directors of the FIG Foundation for their past year's work; and
- appoints the President and Directors of the FIG Foundation for term of office 1.1.2011-31.12.2014: President: Mr. John Hohol (USA) and Directors: Prof. Michael Barry (Canada), Prof. Steven Frank (USA), Prof. Paul van der Molen (the Netherlands), and Prof. Chryssy Potsiou (Greece) as the Council representative.

**Decision:** The motion was adopted.

## 13. REPORTS OF TASK FORCES 2010

After the General Assembly in Sydney FIG has one Task Force that will continue their work: FIG Africa Task Force (2011 – 2014), chaired by Dr. Diane Dumashie (United Kingdom). Council decided to extend the work of the Task Force on Spatially Enabled Society (2011 – 2012), chaired by Dr. Daniel Steudler (Switzerland). Dr. Dumashie and Dr. Steudler reported on their Task Force activities at the General Assembly.

**Appendix to item 13:** Task Force reports:

- **13.1** FIG Africa Task Force
  - Handouts of PowerPoint presentation
- **13.2** FIG Task Force on Spatially Enabled Society

**Motion:** That the General Assembly records all Task Force reports and records its thanks to the Chairs of the Task Forces and their members.

**Decision:** The motion was adopted.

## 14. CO-OPERATION WITH THE UNITED NATIONS AND THE WORLD BANK

The main activities in the co-operation with the United Nations and the World Bank since the FIG congress in Sydney have been:

- President Stig Enemark attended the World Bank Annual Land Conference in Washington, USA 26-27 April 2010
- President Enemark attended the Second Preparatory Meeting on the proposed United Nations Committee of Experts on Geographic Information Management in New York, USA 10-11 May 2010
- Vice President CheeHai Teo attended the GLTN Expert Group Meeting on Transparency in Land Administration, Yogyakarta, Indonesia, 19-22 July 2010

- President Enemark and Vice President Teo visited The World Bank in Washington DC, USA, 13-14 September 2010 to prepare the FIG /WG co-operation agreement
- Vice President Matt Higgins attended the Fifth Meeting of the International Committee on Global Navigation Satellite Systems (ICG-5) Turin, Italy, 18-22 October 2010
- President Enemark attended the GLTN International Advisory Board Meeting, Nairobi, Kenya 29-30 October 2010

Subsequent to the visit to the World Bank on 13–14 September, the World Bank and FIG has since agreed to continue the collaboration and signed a document to this effect that includes the agreed collaborative activities for 2011–2014.

President Teo made an oral report at the meeting on co-operation with the United Nations, its agencies and the World Bank in 2011.

**Appendix to item 14.** President’s report on co-operation with United Nations and its agencies – handouts of PowerPoint presentation.

**Motion:** That the General Assembly adopts the report on the co-operation between FIG and the United Nations, its agencies and the World Bank and records its thanks to all those who have contributed to this co-operation.

**Decision:** The motion was adopted.

#### 15. LIAISON WITH INTERNATIONAL PROFESSIONAL ORGANISATIONS

The Joint Board of Spatial Information Societies JB-GIS was formally established during the FIG Working Week in Cairo in 2005 and meets annually during a major conference. The meeting of JB-GIS in 2010 was held in conjunction to the FIG Congress in Sydney in April 2010.

The other meetings and activities with sister organisations after the FIG Congress in Sydney included in 2010:

- President Stig Enemark attended the 2<sup>nd</sup> CLGE cadastral conference, Bucharest, Romania, 7-8 May 2010
- President Enemark attended the ISPRS Centennial Celebration in Vienna, Austria, 4 July 2010 and had a meeting with JB GIS members
- Vice President CheeHai Teo attended the 14<sup>th</sup> Pacific Association of Quantity Surveyors Congress and Board Meeting, Singapore 25 July 2010 and discussed collaboration between FIG and PAQS
- President Enemark attended the GSDI-12 World Conference, Singapore 17-19 October 2010

A new Memorandum of Understanding between FIG and the Pacific Association of Quantity Surveyors (PAQS) was confirmed by Council at her meeting on July 2010.

FIG has further bilateral agreements of co-operation with several other international associations like ISM, IFHP, CIB, ION, ICEC, FIABCI and IFHS. Some of the partners are also working together in the Habitat Professionals Forum. FIG is a member of the International Council for Science (ICSU) and working together with ISO and International Valuation Standards Committee (IVSC) on standards.

**Appendix to item 15:** Memorandum of Understanding between FIG and PAQS

**Motion:** That the General Assembly

- records the report on the liaison with other international associations
- approves the proposed MoU between FIG and PAQS

**Decision:** The motion was adopted.

#### 16. FIG COUNCIL WORK PLAN 2011-2014

The Council has prepared the FIG Council Work Plan for 2011-2014. Together with the Commission Work Plans the Council Work Plan will form the FIG Work Plan for the next four years. The proposal for the Council Work Plan 2011-2014 is based on preparations made in two Council meetings and in a meeting with the Commission Chairs during the Handover Ceremony in Copenhagen in November 2010. The Council Work Plan has also been coordinated with the Commissions', Networks', Task Forces' and Permanent Institutions' Work Plans.

The Council has also decided on responsibilities of individual Council members. This list is included as an appendix to the Council Work Plan. An up-to-date list will always be available on the FIG web site.

President Teo presented the Work Plan at the meeting.

**Appendix to item 16:**

- FIG Council Work Plan 2011-2014
- President Teo's presentation on the Work Plan – handouts of the presentation

**Motion:** That the General Assembly adopts the Council Work Plan for 2011-2014.

**Decision:** The motion was adopted.

#### 17. COMMISSION WORK PLANS 2011-2014

Commission Chairs have prepared their Commission Work Plan for 2011-2014 based on discussions at their Commission meetings at the FIG Congress in Sydney. After Sydney the Work Plans have been coordinated with the Council Work Plan and with other Commission Work Plans at the meeting of Commission chairs and the FIG Council in conjunction to the FIG Handover Ceremony in Copenhagen in November 2010.

All Commission Work Plans have now been finalised and synchronised with the Council Work Plan and are presented for the General Assembly for its approval in Marrakech in May 2011.

Commission and the Young Surveyors Network chairs presented their Work Plans to the General Assembly. These presentations were moderated by Vice President Rudolf Staiger, who is chairing ACCO (2011-2014), together with the ACCO representative Dr. Michael Sutherland (2011-2012). Commission 1 Work Plan was presented by Vice Chair Robyn McCutcheon (Australia) and Commission 3 Work Plan by Vice Chair Hartmut Müller (Germany).

**Appendices to item 17:**

- **17.1:** Commission 1 Work Plan 2011-2014
- **17.2:** Commission 2 Work Plan 2011-2014
- **17.3:** Commission 3 Work Plan 2011-2014
- **17.4:** Commission 4 Work Plan 2011-2014
- **17.5:** Commission 5 Work Plan 2011-2014
- **17.6:** Commission 6 Work Plan 2011-2014
- **17.7:** Commission 7 Work Plan 2011-2014
- **17.8:** Commission 8 Work Plan 2011-2014
- **17.9:** Commission 9 Work Plan 2011-2014

- **17.10:** Commission 10 Work Plan 2011-2014
- **17.11** Standards Network Work Plan 2011-2014
- **17.12** Young Surveyors Network Work Plan 2011-2014
- **17.13** Handouts of the presentations at the General Assembly

**Motion:** That the General Assembly adopts the Commission Work Plans as well as that of the Networks.

**Decision:** The motion was adopted.

## 18. TASK FORCE ON SURVEYORS AND CLIMATE CHANCE

The Council has established two new Task Forces for 2011-2014. The first Task Force will focus on Surveyors and Climate Change. This Task Force is chaired by Prof. John Hannah from New Zealand. It will work in close co-operation with all Commissions that will appoint their contact persons to the Task Force. The Task Force will have its first meeting in Marrakech where members of the Task Force after the Terms of Reference and members of the Task Force were endorsed by the General Assembly.

### **Appendix to item 18:**

- Terms of Reference for the Task Force on Surveyors and the Climate Change
- Handouts of PowerPoint presentation

**Motion:** That the General Assembly records the Council's decision to establish the Task Force on Surveyors and the Climate Change, the appointment of Prof. John Hannah to chair the Task Force and its terms of reference for information.

**Decision:** The motion was adopted.

## 19. TASK FORCE ON PROPERTY AND HOUSING

The Council has established two new Task Forces for 2011-2014. The second Task Force will focus on Property and Housing. This Task Force is chaired by Vice President Chryssy Potsiou from Greece. It will work in close co-operation with all Commissions that will appoint their contact persons to the Task Force. The Task Force will have its first discussion after the General Assembly endorsed the Terms of Reference and members of the Task Force.

### **Appendix to item 19:**

- Terms of Reference for the Task Force on Property and Housing
- Handouts of PowerPoint presentation

**Motion:** That the General Assembly records the Council's decision to establish the Task Force on Property and Housing, the appointment of Dr- Chryssy Potsiou to chair the Task Force and its terms of reference for information.

**Decision:** The motion was adopted.

## 20. FIG ACCOUNTS FOR 2010 AND AUDITOR'S REPORT AND BUDGET FOR 2011 AND 2011-2014

Vice President Iain Greenway has prepared a report on the FIG financial situation. Vice President Greenway presented the report to the General Assembly. His report included summary of 2010

accounts, an updated budget for 2011 and proposals for budgets 2011-2014 with notes and proposal for membership fees for member associations in 2013.

The Auditors Report includes the auditors report from 2010, official accounts (income statement 2010) and balance sheet 31 December 2010.

**Appendix to item 20:** Report on Financial Issues (including 2010 accounts and budgets 2011-2014)

Annexes:

- **20A** Auditor's Report, Income Statement for 2010 and Balance Sheet at 31 December 2010.
- **20B** FIG Financial Results 2010
- **20C** FIG Budgets 2011-2014
- **20D** List of member associations whose membership fees are in arrears for 2010 and earlier and that are not allowed to vote, that was published on the FIG web site on 18 April 2011 and 12 May 2011
- **20E** Vice President Greenway's finance presentation at the General Assembly – handouts of presentation

**Motion:** That the General Assembly

- adopts the audited accounts for 2010 and
- adopts budgets for 2011–2014

**Decision:** The motion was adopted.

## 21. SUBSCRIPTION RATES FOR 2013

The General Assembly has to set levels of fees for member associations two years in advance of the year in which they become payable. Fees are payable in respect of each individual member up to a maximum of 5,500 members since membership fee structure was revised in 2009. Membership fees have been discussed as part of the finance report, **appendix to item 20**.

The 2010 General Assembly approved membership fees for 2012 as follows:

<u>Year</u>	<u>Per capita fee</u>	<u>Minimum fee</u>	<u>Maximum fee</u>
2012	4.48 € per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay 2.24 € member up to a maximum of 5,500 members.	20 members or 50 € (whichever is greater)	5,500 members (24,640 €)

The World Bank lists of the low-income economies and the lower-middle-income economies are available at:

<http://web.worldbank.org/WBSITE/EXTERNAL/DATASTATISTICS/0,,contentMDK:20421402~pagePK:64133150~piPK:64133175~theSitePK:239419,00.html>

The Council has proposed that the General Assembly keep the membership fees for member associations for 2013 at the same level as endorsed by the General Assembly in 2010 for 2012. In the draft budgets for 2011-2014 the membership fees are planned to be kept at the 2012 level for all membership categories for 2012-2014.



In the discussion DVW, Germany remarked that DVW would need to revert to its membership should membership fee for DVW exceeded 25,000 EUR per annum; the Appraisal Institute, USA suggested that in current economic situation the Council should consider increasing the reserve limits from the current level and RICS, UK was asking for more performance indicators on the effective use of the finances.

**Motion:** That the General Assembly adopts following membership fees payable by member associations in 2013:

<u>Year</u>	<u>Per capita fee</u>	<u>Minimum fee</u>	<u>Maximum fee</u>
2013	4.48 € per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay 2.24 € member up to a maximum of 5,500 members.	20 members or 50 € (whichever is greater)	5,500 members (24,640 €)

**Decision:** The motion was adopted.

## 22. MEMBERSHIP ISSUES (VOTING RIGHTS)

Council recognized that as FIG intends to grow its membership and progresses, that with multiple member associations from a single country as well as consolidation into one association in some others, that Council need to review various membership issues including that of voting rights. The Council has considered this issue and want to discuss it with member associations at this General Assembly. President Teo presented the Council discussion paper at the meeting. The voting right issue and the discussion paper was further discussed and debated at a breakout session on Friday 20 May 2011 from 11:00 to 12:30 facilitated by Vice President Greenway who also reported back to the General Assembly at the second session. Council sought direction from the General Assembly.

**Appendix to item 22:** President Teo's presentation on the membership issue – handouts of the PowerPoint presentation.

**Motion:** That the General Assembly records the presentation and discussion paper and agree to the breakout session on 20 May 2011 (11:00-12.30).

**Decision:** The motion was adopted.

## FRIDAY 20 MAY, 2011

### **Breakout Session on Membership Issues (Voting Rights), Friday, 20 May 11:00-12:30**

### **Fes 2, Palais des Congrès, Marrakech**

## 23. BREAKOUT SESSION ON MEMBERSHIP ISSUES (VOTING RIGHTS)

Open discussion on the membership issues (voting rights) based on the introduction at the first session of the General Assembly by President Teo. Discussion is facilitated by Vice President Greenway and open for member associations interested in the topic. The meeting was attended by 30 participants representing 16 member associations.

**Appendix to item 23:**

- President Teo's presentation on the voting right issue – handouts of the PowerPoint presentation.

**Motion:** Outcome from the breakout session will be recorded and presented back to the General Assembly in its second session on Sunday, 22 May 2011.

**Decision:** The motion was adopted.

**SUNDAY 22 MAY, 2011**

**Presidents' Meeting, Sunday, 22 May, 8:30-10:30 (by invitation only),  
Fes 1, Palais des Congrès, Marrakech**

24. PRESIDENTS' MEETING

Totally 46 persons attended this Presidents' Meeting out of which 37 were Presidents or leaders of delegations. At the meeting challenges facing the member associations and relations between member associations and FIG were discussed as well as experiences from the FIG Working Week 2011. A separate memorandum of this meeting is circulated to the participants of the meeting and to the Presidents of member associations. The meeting concurred that future meetings could be convened in two sessions, the first for Presidents and Heads of Delegation to provide a report on their associations' activities as well as allowing those present to get to know each other earlier and the second, the traditional evaluation of the Working Week.

**Appendix to item 24:** Memo of the Presidents' meeting

**Second Session, Sunday, 22 May, 11:00-13:00 and 14:15-15:00  
Salle Royale, Palais des Congrès, Marrakech**

25. ROLL CALL

Vice President Staiger took the roll call.

The roll call was made only for member associations. Delegates representing affiliate members, academic members, corporate members and correspondents as well as honorary presidents and honorary members were entered in the records based on their registration and information given to the FIG Office.

Recorded that based on the decision of the General Assembly in 2006 only those member associations that had paid all their membership fees to the end of 2010 are allowed to vote at the meeting. A list of member associations that are not allowed to vote was published on the FIG web site 18 April and 12 May 2011.

Noted that the General Assembly had appointed Mr. Rob Sarib from SSSI, Australia and Mr. Aziz Hilali from ONIGT, Morocco as tellers for this session of the General Assembly.

**Appendix to items 2 & 25:** Roll Call.

48 member associations out of 102 were present at this session, which is more than one third of the membership needed for the General Assembly to be constitutionally valid. 42 member associations were allowed to vote.

**Motion:** That present members are recorded in the minutes.

**Decision:** The motion was adopted.

## 26. MEMBERSHIP

### 26.1 Member associations

The Council informed the General Assembly that the Association Nationale des Ingenieurs Géomètres-Experts Tunisiens (ANIGET) from Tunisia has paid its arrears after the first session of the General Assembly and its membership has been restored.

#### 26.1.1 Ordre des Geomètres Experts du Mali

The Ordre des Geomètres Experts du Mali (OGE) has submitted an application to become a member association of FIG from Mali. The association has 42 full members. The application meets the criteria for membership in FIG as a member association. The Council has considered the application and believed that the association meets criteria for membership of FIG as a member association.

**Appendix to item 26.1.1:** Membership application from the Ordre ds Geomètres Experts du Mali.

**Motion:** That the General Assembly admits the Ordre des Geomètres Experts du Mali to become a member association of FIG.

**Decision:** The motion was adopted and the FIG President gave Mr. Mamadou Camara, President of OGE the membership certificate.

#### 26.1.2 Cadastral Surveyors Association of Liberia

The Cadastral Surveyors Association of Liberia (CASUAL) has submitted an application to become a member association of FIG from Liberia. The association has 70 members. The application meets the criteria for membership in FIG as a member association. The Council has considered the application and believed that the association meets criteria for membership of FIG as a member association.

**Appendix to item 26.1.2:** Membership application from the Cadastral Surveyors Association of Liberia.

**Motion:** That the General Assembly admits the Cadastral Surveyors Association of Liberia to become a member association of FIG.

**Decision:** The motion was adopted and FIG President gave Mr. J. Josephus Burgess, President of CASUAL the membership certificate.

With the reinstatement and admissions, the number of member associations stands at 102.

## 26.2 Other Membership Issues

### Corporate Members

The General Assembly was informed that during the week, Council has accepted one new corporate member:

- Concord Surveying Company, Qatar

With the latest admission, the number of corporate members stand at 30.

### Academic members

The General Assembly was informed that during the week, Council has accepted two new members as academic members:

- TE CRS – The Environmental Center for Remote Sensing from Saudi Arabia
- IAV – Institut Agronomique et Vétérinaire Hassan II, Morocco

With the latest admission, the number of academic members is now 92.

**Motion:** That the General Assembly notes the actions that the Council has taken with other membership matters.

**Decision:** The motion was adopted.

## 27. REPORTS FROM ACCO AND COMMISSION CHAIRS

Commission Officers (ACCO) and Commissions had their annual and other administrative meetings during the Working Week. Vice President Rudolf Staiger reported to the General Assembly on Commission and Network activities during the Working Week. He noted that there is no need for any additional decisions or recommendations from the General Assembly.

**Motion:** That the General Assembly records the reports.

**Decision:** The motion was adopted.

## 28. REPORTS FROM TASK FORCES

All four Task Forces had meetings in Marrakech. Vice President Staiger gave a report on the progress of the Task Force activities. There were no new issues to be addressed.

**Motion:** That the General Assembly records the reports.

**Decision:** The motion was adopted.

## 29. CO-OPERATION WITH THE FIG CORPORATE MEMBERS

A traditional meeting for FIG Corporate Members was again organised in Marrakech. A report on co-operation between FIG and its Corporate Members was given at the meeting by Henning Elmstroem, DdL Denmark on behalf of Peter Normann Hansen.

**Motion:** That the General Assembly records the report.

**Decision:** The motion was adopted and the General Assembly recorded its thanks to the Corporate Members for their continuous support to FIG and to Peter Normann Hansen and Henning Elmstroem as its spokesperson.

### 30. MEMBERSHIP ISSUES (VOTING RIGHTS)

Vice President Greenway reported back to the General Assembly on the outcome of the breakout session on membership issues (voting rights).

**Appendix to item 30:** Vice President Greenway's summary on the breakout session – handouts of the PowerPoint presentation.

The General Assembly continue the discussion and debate that was robust in which a total of 16 delegates expressed their opinions. Arising from the discussion, the President proposed that the General Assembly establishes a working group on this matter and that the working group shall consult member associations and bring to the 2012 General Assembly a discussion paper on the matter. It was further proposed that the General Assembly constitutes the working group by nomination 6 – 7 members after the lunch break.

**Motion:** That the General Assembly records the report given and establishes a working group on the voting rights.

**Decision:** The General Assembly recorded the report and established a working group to prepare and bring to the 2012 General Assembly a discussion paper on the voting rights:

- following member associations will be represented in the working group: Belgium, Canada, Denmark, Germany, Hong Kong SAR, China (HKIS), Ireland (IIS), Italy, Kenya, Lebanon, Netherlands, New Zealand, South Africa and USA (AI)
- the Working group appoint a chairperson from amongst the group members.
- first invitation for starting the work of the Working Group will come from the Council
- the working group to bring forth a discussion paper and report back to the General Assembly in Rome in May 2012.

### 31. VENUE OF FIG WORKING WEEK 2015

The Council has not received full bids from member associations to host the FIG Working Week 2015. The Council has received letters of interest from several member associations, but because there are no full bids the Council has proposed to the General Assembly that it postponed the selection of the venue of FIG Working Week 2015 first in 2012 at the same time when decision on the venue for FIG Working Week 2016 will be made.

**Motion:** That the General Assembly postpone the decision on the venue of FIG Working Week 2015 until Rome 2012.

**Decision:** The motion was adopted.

### 32. REPORT ON THE FIG CONGRESS 2014 IN KUALA LUMPUR, MALAYSIA

President Mohammad Azmi Mohd Zin from the Malaysian Association of Authorised Land Surveyors Malaysia and representatives of the Organising Committee of FIG 2014 gave an oral presentation on preparations of FIG Congress 2014 and informed the General Assembly that the Congress will be in June 2014.

**Motion:** That the General Assembly records the report for information and confirms that the FIG Congress in 2014 will be held in June 2014.

**Decision:** The motion was adopted.

### 33. REPORT ON THE FIG WORKING WEEK 2013 IN ABUJA, NIGERIA, 2013

Immediate Past President Atilola Olusola gave a presentation on behalf of President Yakubu Maikano from the Nigerian Institution of Surveyors and representatives of the Organising Committee of FIG Working Week 2013 on preparations of FIG Working Week 2013.

**Motion:** That the General Assembly records the report for information and confirms 4-10 May 2013 as the dates of the Working Week 2013.

**Decision:** The motion was adopted.

### 34. FIRST FIG YOUNG SURVEYORS CONFERENCE, ROME, ITALY 4-5 MAY 2012

Vice President Potsiou gave a report to the General Assembly on arrangements of the first FIG Young Surveyors Conference to be held in Rome 4-5 May 2011.

**Appendix to item 34:** FIG Young Surveyors Conference – handouts of the PowerPoint presentation.

Honorary President Enemark remarked that Council should consider integrating the Young Surveyors Conference into the normal program of the Working Week. DVW Germany remarked that the participants to be proposed by member associations rather than open to any participants since there is a cap on the total number of participants at the inaugural event.

**Motion:** That the General Assembly records the report.

**Decision:** The motion was adopted and Council took note of the remarks, in particular that of DVW.

### 35. REPORT ON THE FIG WORKING WEEK 2012 IN ROME, ITALY, 6-11 MAY, 2012

President Fausto Savoldi, Consiglio Nazionale Geometri e Geometri Laureati CNGGL and representatives of the Organising Committee of FIG Working Week 2012 gave a presentation on preparations of FIG Working Week 2012 and presented a video on Rome and the Working Week. The Working Week 2012 will be held in Rome, Italy 6-11 May 2012. Conference web site is available at: [www.fig.net/fig2012](http://www.fig.net/fig2012).

**Motion:** That the General Assembly records the report for information.

**Decision:** The motion was adopted.

### 36. PRESENTATION OF CERTIFICATES OF APPRECIATION

At the Closing Ceremony certificates of appreciation were given to Mr. Aziz Hilali, President of ONIGT and Congress Director, Prof. Mohamed Ettarid, Chair of the Organising Committee and all other members of the organising committee.

## CLOSING CEREMONY

President CheeHai Teo presented a summary of the main outcome and highlights of the FIG Working Week 2011 and thanked all parties, participants and accompanying persons for a memorable event.

**Appendix:** Handouts of the President's Closing Address.

At the closing ceremony the FIG banner was handed over by Mr. Aziz Hilali, ONIGT President and Prof. Moha ElAyachi to Mr. Fausto Savoldi, CNGGL President. The FIG Working Week 2012 will be held in Rome, Italy, 6-11 May 2012. President Teo formally closed the 34<sup>th</sup> General Assembly of FIG as well as the Working Week.

**International Federation of Surveyors  
Application form for Membership as a Member Association**

1. Name of association in own language

**中国土地学会**

In English (if different from above).

**China Land Science Society (CLSS)**

2. Address: No.37 Guanyingyuan Xiqu, Xicheng District, Beijing, China.100035

3. Telephone: +86-10-6656-2607 (Deputy Secretary General and Director) ;  
+86-10-6656-2800 (Coordinator)

4. Fax No: 8610-66562563

5. E-mail address: zgtdxh@vip.sina.com

Home page address: <http://www.zgtdxh.org.cn/>

Logo (please attach a high resolution logo of the association as .jpg file or add the link):



6. Name of President: Mr.Wang Shiyuan

7. Administration

Is the above address the address of the permanent office of the association? If so, please state the name of the chief executive and the number of any other permanent staff members . . . . .Yes . . . . .

The chief executive: Mr.Cheng Guosheng (Deputy Secretary-General)

The number of any other permanent staff members: 3 persons . . . .

8. Date of formation of association. November, 1980.

9. Objectives and ethics

Please summarise on a separate sheet the objectives of the association and state whether it enforces disciplinary procedures; and enclose a copy of its constitution and rules (including, where applicable, its code of conduct).

The objectives are as follows:

- ◇ To unite and organize CLSS members and scientific and technical personnel working in the field of land, abide by national constitution, laws and regulations as well as social morality.
- ◇ To implement the scientific outlook on development and advocate the forefront of land science and the right direction of the land industry;
- ◇ To publicize and carry out the sustainable development strategy for land resources; and enhance the awareness of nationals in the "protection and rational use of land resources";
- ◇ To promote the prosperity, development and dissemination of land science and technology, the development of scientific and technical talents and the combination of



land science and technology with economic development; to enhance the role of science and technology in guaranteeing and promoting new mechanism for scientific development;

- ◇ To safeguard the legitimate rights and interests of CLSS members and scientific and technical personnel and serve for economic and social development, improvement of scientific literacy, scientific and technical personnel and national economic, political, cultural and social construction.

**Ethics:** CLSS members should abide by national constitution, laws and regulations as well as social morality

**Constitution:** It is enclosed to this application form.

## **10. Routes of entry to membership**

**Please provide the following information on a separate sheet**

### **The title held by qualified members of the association**

#### **The level of academic qualification required to obtain the title**

whether academic training programmes to this level are available in your country (if not, please state how and where members obtain their academic training)

What approved professional experience is required on completion of academic training and prior to acquisition of the title

what the requirements are for continuing professional development and whether this is mandatory or voluntary

if the association also admits technician or sub-professional members and, if so, the qualifications required for entry to this grade of membership

CLSS membership is consisted of: individual membership and organization membership. CLSS is also the authority of issuing the certificates for qualified land use planning agencies and qualified land registers in China.

Any foreign experts and academicians with high academic achievements who are friendly to China and willing to cooperate with CLSS can apply for admission in person with CLSS. With the recommendation of two CLSS members and upon discussion and approval of the Board of Managing Directors, they can be admitted as foreign members once registered at competent authorities. Foreign members can take priority to the access to free academic publications and relevant materials published by CLSS and be invited to attend academic meetings hosted in China by CLSS and enjoy relevant other services.

CLSS membership criteria for domestic members: (1) To observe CLSS Articles of Association. (2) To have the willingness to be admitted as members of CLSS. (3) Have certain influence in the practices( professional field, academic subjects)engaged by CLSS.(4)Individual members should meet one of the following criteria: a. scientific and technical personnel working in the field of land with intermediate technical titles or above including associate researcher(Junior level), lecturer and engineer or those who hold a Master's Degree or above; b. scientific and technical personnel working in the field of land with a Bachelor's Degree, engaged in land science and technology for over 3 years, or scientific and technical personnel graduated from junior college for professional training with over 5 years of working experience; c. government officials engaged in the research, education, organization and management of land resources who are interested about the work of CLSS; d. entrepreneurs enthusiastic about the development of CLSS and stand ready to provide strong support and contributions to CLSS. (5) Any enterprises and public institutions that are involved in the scientific research, teaching, production, planning and design of land resources with certain number of scientific and technical personnel that are willing to participate in relevant activities held by CLSS and supportive of the work of CLSS, and academic organizations

established according to the law and engaged in related academic subject can apply for membership with CLSS.

*Note: Specially, regarding the professional title of qualified land use planning agencies and qualified land registers, CLSS will carry out the annual evaluation for those qualified land use planning agencies and qualified land registers in China. The certificates for qualified land registers will be issued according to the unified national examinations held by CLSS, afterwards, the qualified land registers needs to be evaluated annually by either submitting their professional work experiences or taking part in the continue education program held by CLSS.*

Membership application procedures: (1) Submission of the Application Form for CLSS Membership. (2) Approval and acceptance by the Board of Directors or Board of managing directors upon discussion. (3) Individual members should submit the written Application Form to CLSS with the recommendation of two CLSS members or their working units. Membership acceptance will be made by CLSS Board of Directors or Board of Managing Directors. Upon acceptance, members should register their membership on CLSS website. (4) Organization members should submit the written Application Form in the name of the organization. Once accepted by the Board of Directors or Board of Managing Directors, they should register their membership on CLSS website. (5) Issuance of Membership Certificate by Board of Directors or agencies authorised by Board of Directors.

Members who would like to withdraw from CLSS should report in written forms to CLSS and return the Membership Certificate. Failure to pay membership fees in one year or participate in any CLSS activities should be regarded as automatic withdrawal from CLSS. Members who seriously violate the terms of this regulation should be removed from CLSS after the voting of the Board of Directors and Board of Managing Directors.

## 11. Members

No. of holders the title qualified. . . 421. . . . .  
    qualifying . . . . .  
No. of technician or sub-professional members  
    qualified . . . 709. . . . .  
    qualifying . . . . .

## 12. Specialisations

% of qualified members whose principal specialisation is

hydrography . . . . . 5. . . . .  
positioning/measurement . . . . . 10 . . . . .  
engineering surveys . . . . . 15 . . . . .  
cadastre/land management . . . . . 20. . . . .  
spatial planning/development . . . . . 20. . . . .  
valuation/real estate management . . . . . 20. . . . .  
construction cost management . . . . . 10. . . . .

## 13. Statutory recognition

Is the association constituted by statute? . . . . .

Please list on a separate sheet those activities undertaken by your members which are regulated by statute and state whether any or all of these can be performed only by members of your association. If not, please state who else can acquire the title to perform any of the activities.

CLSS is established based on the regulations of the registration management authority--- Ministry of Civil Affairs and the business administrative authority---China Association for Science and Technology and subject to its business guidance, supervision and administration.

Scope of business of CLSS include: (1) To conduct domestic and international academic exchanges, hold academic annual meeting once a year, hold academic forum and thematic symposium, etc.(2) To popularize scientific and technical knowledge on land resources, spread advanced technology and promote the transfer of science and technology achievements. (3) To Carry out adult education and organize various kinds of professional training courses. (4) To carry out appraisal of technology achievements and awards examination; engage in and be responsible for setting technical standard, authenticating credentials; strengthen guidance ,supervision and training to intermediary institutions, set up “ Land Science Professional Awards” and commend organizations and individuals with outstanding contributions in the field of land science and technology. (5) To undertake thematic research, project assessment, technical appraisal and examination and appraisal of professional titles, organize science and technology exhibitions entrusted by the government or in response to demands of the market and development of the industry. (6) To put forward suggestions on the formulation of policies and regulations on land science and technology, promote scientific and democratic decision-making process. (7)To edit, publish and release books, magazines as well as audio-video products on land science and technology and publicize updated information and research progress in this area. (8) To promote non-governmental exchanges and cooperation with scientific and technological institutions and scientific and technical personnel from abroad and in Hong Kong, Macao and Taiwan. (9) To safeguard the legitimate rights and interests of its members and scientific and technical personnel. (10) To undertake public welfare undertakings that is in compliance with regulations of CLSS and in the interests of the development of land science and technology.

CLSS activities are usually co-hosted with China Land Surveying and Planning Institute as well as the Key Laboratory of Land Use, Ministry of land and Resources of P.R.C.

14. Employment

% of qualified members	
self-employed and employed in private practice. . . . .	20. . . . .
teaching. . . . .	30. . . . .
employed by government. . . . .	30 . . . . .
employed in the commercial or other sectors. . . . .	20. . . . .

15. Subscriptions

Please state the annual subscription payable by each grade of membership  
 . . . . .  
 .Unit members need to pay RMB 4000 per . . . . .  
 .Individual members do not have to pay for membership. . . No payment .

16. Services to members

Does the association publish a journal (if so, please state title and frequency) . . . . .  
 . . . . .  
 . . . . .

‘China Land Science’ will be publicly issued each month;  
 ‘Land Science and Technology Development’ will be issued each month not in public.

Please list on a separate sheet any other services that the association provides for its members.

#### Rights of Members

- (1) To vote and stand for election;
- (2) To take part in the activities organized by CLSS;
- (3) To have priority to enjoy services provided by CLSS;
- (4) To criticize, suggest on and supervise the work of CLSS;
- (5) To have the freedom to join and withdraw from CLSS.
- (6) To take priority in attending domestic and international academic activities organized by CLSS and obtaining academic magazines and relevant materials distributed by CLSS;
- (7) To take priority to obtaining consultancy and training services in Land Science and Technology organized by CLSS.

#### Obligations of Members

- (1) To execute decisions of CLSS;
- (2) To defend the legitimate rights and interests of CLSS;
- (3) To accomplish tasks entrusted by CLSS;
- (4) To pay membership fees accordingly;
- (5) To provide information and materials to CLSS;
- (6) To abide by regulations of CLSS.

## International Federation of Surveyors

### Application form for Membership as a Member Association

1. Name of association

in own language. **Некоммерческое партнерство «Организация деятельности кадастровых инженеров» (НП «Кадастровые инженеры»).**

in English (if different from above). **Noncommercial partnership “Self-regulated organization of activity of cadastral engineers” (NP “Cadastral engineers”).**

2. Address. Russia, 123458 , Moscow , Tallinskaya str., bld.32,bl. 3,of. 10.

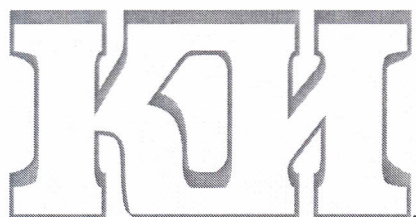
3. Telephone no ....+7(495)518-93-19.....

4. Fax no. .....+7(495)518-93-20.....

5. e-mail address. . **zao\_mk@mail.ru** .....

Home page address. . **www.roscadastre.ru**.....

Logo (please attach a high resolution logo of the association as .jpg file or add the link):



6. Name of President **Viktor Stepanovich Kislov** .....

7. Administration

Is the above address the address of the permanent office of the association? If so, please state the name of the chief executive and the number of any other permanent staff members

**Director General – Marina Ivanovna Petrushina,  
International Projects Department – Vladimir Vasilievich Tikhonov**

8. Date of formation of association . **25.07.2006** .....

9. Objectives and ethics

Please summarise on a separate sheet the objectives of the association and state whether it enforces disciplinary procedures; and enclose a copy of its constitution and rules (including, where applicable, its code of conduct).

**The Statute of the NP “Cadastral engineers” was approved by the decision of all Members committee of the NP “Cadastral engineers” (Minutes No.1 as of 25.06.2006),**

revised by the decision of all Members committee of the NP “Cadastral engineers” (Minutes No.2 as of 24.07.2009) – attached.

The Rules of professional activity , business and professional ethics of cadastral engineers , members of the NP “Cadastral engineers” were approved by the Bureau of the NP”Cadastral engineers” (Minutes No.9 as of 01.06.2007 ), revised by the Bureau of the NP”Cadastral engineers” (Minutes No.59 as of 30.09.2009 ) – attached.

10. Routes of entry to membership

Please provide the following information on a separate sheet

- the title held by qualified members of the association **The qualified member of the NP “Cadastral engineers” held the title of the Member of the NP”Cadastral engineers”**
- the level of academic qualification required to obtain the title **As a Member of the NP”Cadastral engineers” one can be only so-called cadastral engineer (physical person ,satisfying the requirements of the article 29 Federal Law dated 24.07.2007 No.221-FL”About the state real-estate cadastre”).**
- whether academic training programmes to this level are available in your country (if not, please state how and where members obtain their academic training)  
**The list of the universities – attached.**
- what approved professional experience is required on completion of academic training and prior to acquisition of the title **Professional experience is not required.**
- what the requirements are for continuing professional development and whether this is mandatory or voluntary **Continuing professional development is voluntary.**
- if the association also admits technician or sub-professional members and, if so, the qualifications required for entry to this grade of membership **NP”Cadastral engineers” admits technician or sub-professional members , because for the cadastral engineers it is obligatory to have the university degree of education or special professional technical education.**

11. Members

No. of holders the title	qualified	<b>1352 (06.02.2012)</b>
	qualifying . . . no. . . . .	
No. of technician or sub-professional members	qualified . . .	<b>14 (06.02.2012).</b>
.....	qualifying . . . no. . . . .	

12. Specialisations

% of qualified members whose principal specialisation is

- |                                    |                 |
|------------------------------------|-----------------|
| • hydrography                      | .no. . . . .    |
| • positioning/measurement          | . no . . . . .  |
| • engineering surveys              | .no . . . . .   |
| • cadastre/land management         | .100% . . . . . |
| • spatial planning/development     | . no . . . . .  |
| • valuation/real estate management | .no. . . . .    |



- construction cost management . . .no. ....

13. Statutory recognition

Is the association constituted by statute?

**The Statute of the NP “Cadastral engineers” was approved by the decision of all Members committee of the NP “Cadastral engineers” (Minutes No.1 as of 25.06.2006), revised by the decision of all Members committee of the NP “Cadastral engineers” (Minutes No.2 as of 24.07.2009) – attached.**

**NP”Cadastral engineers” was created according to the Federal Law ,dated 01.12.2007, No.315 -FL“About self-regulated organizations” and based on the Federal Law , dated 24.07.2007, No.221-FL”About the state real-estate cadastre”.**

Please list on a separate sheet those activities undertaken by your members which are regulated by statute and state whether any or all of these can be performed only by members of your association. If not, please state who else can acquire the title to perform any of the activities. **We have no any activities undertaken by our members which are regulated by statute and no activities which can be performed only by members of NP”Cadastral engineers”. Any cadastral engineer ,not involved in self-regulated organization can perform any of the activities.**

14. Employment

% of qualified members

- self-employed and employed in private practice. **.100%**
- teaching. . . . . **no**
- employed by government. . . . . **no**
- employed in the commercial or other sectors. . . . **no**

15. Subscriptions

Please state the annual subscription payable by each grade of membership **The Member of the NP”Cadastral engineers” pays initial fee (only once) – 15000 roubles ,annual fee – 15000 roubles , insurance of professional responsibility fee – 400 roubles , voluntary property fee – 8000 roubles.**

16. Services to members

Does the association publish a journal (if so, please state title and frequency) .

**Yes , we publish the journal “Real-estate cadastre”. 4 times per year.**

Please list on a separate sheet any other services that the association provides for its members.

**NP”Cadastral engineers” provides for its members the following services:**

- **maintain the Internet site [www.roskadastru.ru](http://www.roskadastru.ru) ,where you get the complete information about the NP, the news and so on;**
- **organizing of seminars and consultations;**
- **any other support in the sphere of cadastral activity.**

Please send or fax to FIG office: International Federation of Surveyors, Kalvebod Brygge 31-33, DK-1780 Copenhagen V, DENMARK, E-mail: [FIG@fig.net](mailto:FIG@fig.net), tel. + 45 3886 1081, fax + 45 3886 0252

16 February 2012

CheeHai Teo  
President - International Federation of Surveyors, FIG  
Kalvebod Brygge 31 -33  
DK – 1780 Copenhagen V  
Denmark

Dear Mr President,

**Nomination of Matthew Bryan Higgins for FIG Honorary Membership**

On behalf of the Surveying and Spatial Sciences Institute (SSSI), it is our great pleasure and honour to nominate Mr Matthew Bryan Higgins as a candidate for FIG Honorary Membership.

In Australia and the international surveying and mapping community Matt is well known and regarded as an expert in operational Geodesy, Global Navigation Satellite Systems and related positioning applications. His effort and time spent on promoting the surveying discipline to the traditional and non-traditional surveying profession has been exemplary. Matt's FIG activities since 1995 are well documented, and his achievements as an ambassador for the FIG organisation at the Commission technical work group level through to his executive role on FIG Council is extensive. Please refer to the attached resume of Matt's professional career to assist with your deliberations.

Also, Matt has been a great people's person and communicator. He has often provided leadership in many industry groups and has fostered or inspired the development of many young surveying professionals to "bigger and better" things. Such selfless acts were often displayed by him in the FIG 'family' arena. Ultimately, this service to the industry was recognised in 2005 when he was awarded the highest honour for an individual at the Asia Pacific Excellence Awards - Professional Eminence and Excellence in Spatial Sciences.

In summarising, we trust this application for FIG Honorary Membership receives favourable consideration, as we are unanimous in our opinion that Matt is deserved of this prestigious accolade because of his significant contribution from a professional and interpersonal perspective.

Best regards,

A handwritten signature in black ink, appearing to read 'Gary Maguire', written over a horizontal line.

Gary Maguire  
President



<b>Nominee for FIG Honorary Membership - RESUME</b>	
Name:	Matthew Bryan Higgins
Member association:	Surveying and Spatial Sciences Institute
Country:	Australia
Contact address:	97 Cavendish St, Nundah, Qld, 4012, Australia
Email address:	<a href="mailto:matt.higgins@derm.qld.gov.au">matt.higgins@derm.qld.gov.au</a>
Age:	51
Degrees and educational background:	<ul style="list-style-type: none"> <li>• Bachelor of Applied Science, Surveying (With Distinction), Queensland University of Technology, 1983;</li> <li>• Registered Cadastral Surveyor, Surveyors Board of Queensland, 1985;</li> <li>• Master of Surveying and Mapping Science, University of Queensland, 1988.</li> </ul>
Employment history	<p>Currently:</p> <ul style="list-style-type: none"> <li>• Manager Geodesy and Positioning, Spatial Information Group, Department of Environment and Resource Management</li> </ul> <p>Previously:</p> <ul style="list-style-type: none"> <li>• Principal Survey Advisor, Queensland Department of Environment and Resource Management;</li> <li>• Project Leader in Australia's Cooperative Research Centre for Spatial Information.</li> <li>• More than 30 years experience in several roles as manager, advisor and professional specialist in the Queensland Government;</li> <li>• Several periods of work external to government while seconded to private surveying firms, universities and research organizations.</li> </ul>
Positions of trust	<p>In addition to FIG Positions outlined in the next section:</p> <ul style="list-style-type: none"> <li>• Member of several industry sub-committees for policy development under the Australia and New Zealand Land Information Council;</li> <li>• Member of the United Nations mandated International Committee on Global Navigation Satellite Systems;</li> <li>• Current President of the International Global Navigation Satellite Systems Society (IGNSS Society);</li> <li>• Current Chair of the Expert Panel for the Australian Region of the European Satellite Navigation Competition and associated business incubation activities;</li> <li>• Past member of the Editorial Advisory Board of the US based magazine GPS World.</li> </ul>

<p>Positions in FIG</p>	<ul style="list-style-type: none"> <li>• Vice President of FIG (2007 to 2010);</li> <li>• Chair of the Advisory Committee of Commission Officers (2007 to 2010);</li> <li>• Chair, Commission 5 (2003 to 2006);</li> <li>• Chair-Elect, Commission 5 (1999 to 2002);</li> <li>• Chair Working Group 5.5 (1995 to 1998).</li> </ul>
<p>Other activities in FIG</p>	<ul style="list-style-type: none"> <li>• Developed liaison processes to revitalize and give substance to the Memorandum of Understanding between FIG and the International Association of Geodesy (IAG);</li> <li>• Initiated FIG's Membership of the International Committee on Global Navigation Satellite Systems, which is mandated through the United Nations Committee on the Peaceful Use of Outer Space;</li> <li>• Initiated the development of Memorandum of Understanding between FIG and the UN Office for Outer Space Affairs. It covers Space Technology for Disaster Management, GNSS and Education in Space Technology, especially in developing countries.</li> </ul> <p>Member on several FIG Task Forces including:</p> <ul style="list-style-type: none"> <li>• Task Force on the Cultures and Languages;</li> <li>• United Nations Cooperation Network.</li> <li>• Task Force on Governance Structures.</li> </ul>
<p>Field of surveying discipline</p>	<p>Land Surveying and Spatial Science as a Registered Cadastral Surveyor and expert in Positioning Systems and Geodesy and the associated legislation, policies, field operations and data management.</p>

## President's Report to the 2012 FIG General Assembly

### 1. *Preamble*

FIG draws its membership from the scientific, research and academic community, from practitioners working in both the public and private sectors as well as from the spatial and information technologies and commercial community. FIG is fortunate and thankful as we essentially function out of the goodwill, resources and contribution of our corps of volunteers from around the world as well as the contributions and support of its members.

### 2. *Introduction*

This report covers, generally, the period between the 2011 General Assembly in Marrakech, Morocco until the upcoming 2012 General Assembly in Rome, Italy and should be read together with papers and reports prepared and included in the 2012 General Assembly Agenda.

### 3. *Working Weeks, Regional Conference and Congress*

#### 3.1 *2011 Working Week*

The Working Week in Marrakech, Morocco from 18<sup>th</sup> to 22<sup>nd</sup> May 2011 had the theme "Bridging the Gap between Cultures" and included the XXXIV General Assembly, a three-day technical program and an exhibition. The event was co-organized with the local member association, the *Ordre National des Ingénieurs Géomètres Topographes (ONIGT)*. More than 1,500 participants from 90 countries attended the event that included a technical program in excess of 90 sessions with close to 450 presentations, an exhibition that attracted over 50 companies. It is regarded as the biggest FIG Working Week ever, both in the number of participants and in the size of the exhibition.

This working week will also be remembered as the Council and Commission Work Plans were approved together with the formation of two new FIG Task Forces, on Surveyors and Climate Change (Prof. John Hannah, New Zealand as chair) and on Property and Housing (Prof. Chryssy Potsiou, Greece as chair). It will also be remembered for its discussion on member's voting rights that resulted in the formation of a Working Group comprising nominees from twelve member associations to carry further the discussions and deliberations and to bring to the 2012 General Assembly its report.

In economic terms, the Working Week was a success returning a healthy surplus and together with prudent financial management, allowed FIG to return the General Reserve to the mandated level, i.e. 90% - 100% of the year's regular expenditure.

### *3.2 2012 Working Week*

FIG Office and the President made two working visits to Rome in the lead up to the 2012 Working Week. One the earlier visit, VP Chryssy Potsiou also participated in the working visit primarily to prepare for the inaugural Young Surveyors Conference.

### *3.3 8<sup>th</sup> Regional Conference*

FIG Director together with the President made a working visit to Montevideo, Uruguay to scope and prepare for the 8<sup>th</sup> FIG Regional Conference that will be held between 26 and 29 November 2012 co-organizing with our Member Association in Uruguay, Asociación de Agrimensores del Uruguay (A.A.U.)

### *3.4 2013 Working Week*

FIG Director and the President will be making a working visit to Abuja, Nigeria in the first week of March 2012 to inspect the site and prepare for the 2013 Working Week in May next year co-organizing with our Member Association in Nigeria, the Nigerian Institution of Surveyors (N.I.S.)

### *3.5 2014 Congress*

The FIG Council and the FIG Office inspected the site during a working visit to Kuala Lumpur to begin preparing for the 2014 FIG Congress in Malaysia. Council too had its face-to-face Council Meeting during the trip. FIG acknowledged, appreciated and thanked the Malaysian Convention and Exhibition Bureau (Ministry of Tourism Malaysia), Kuala Lumpur Convention Centre, Land Surveyors Board Malaysia and the Association of Authorised Land Surveyors Malaysia for their generous financial and logistical support that made the Council Meeting and Site Inspection possible.

## **4. Membership**

At each General Assembly, new members are admitted while others that have failed to fulfill the obligations of membership are removed, in accordance with our Statutes and Bye-laws. After the 2011 Working Week, our membership stands at:

Member Associations	101
Corporate Members	28
Affiliate Members	41
Academic Members	93
Correspondents	18

with a presence in 130 countries.

During this period, Council has reviewed a number of applications and will recommend these to the General Assembly for admission. Equally, Council has to act and will propose member associations that are in arrears for three or more years for expulsion after much effort to retain their membership. Council too has received notice of termination from Corporate and Academic Members. A note of concern is the higher number of Academic Members facing

membership termination due to non payment of membership dues. The status could be summarized as follows -

	New Application	Termination	Proposed Expulsion
Member Associations	2		3
Corporate Members	2	5	
Affiliate Members			
Academic Members	3	10	
Correspondents		4	

Council has begun discussing the value and benefits of membership recognizing the need to better articulate and communicate the value and benefits of membership, particularly during these economic conditions where outgoings are being scrutinized by many an organizations.

## 5. *Task Forces*

Though the four Chairs of FIG Task Forces will make their respective reports to the General Assembly, it should be noted that the Task Force on Spatially Enabled Society is expected to bring its Work Plan to a conclusion and table its a final report at this General Assembly. The Task Force is expected to disseminate its result, a publication, before the end of 2012.

## 6. *Commissions*

VP Rudolf Staiger, the Chair of ACCO together with the ten Commission Chairs and the Chairs of the two Networks will make their respective reports to the General Assembly.

The conviction remains that Commissions are the “powerhouses” of the Federation, should undertake studies and activities in all disciplines of surveying, to effectively facilitate the technical program at FIG events as well as to deliver their respective Commission Work Plans. Members are urged to nominate and support enthusiastic national delegates and correspondents to the Commissions, to participate in the work of the Commission and their activities as these are vital toward efforts to bring benefits to the local membership.

Council will continue to co-ordinate Commission level activities as much as it is feasible including its workshops and symposia, aiming to serve the Federation’s membership in the desire that any of these activities and events is strategically and geographically positioned. Council appreciates Commission 7’s decision to hold its 2012 Annual Meeting and One-day International Symposium in Argentina and its 2013 event in Cameroun, where the event will be held together with Commission 2.

## 7. *Council*

### 7.1 *Council Meetings*

Since the Working Week in Marrakech, Council met face-to-face once on 12 & 13 February 2012 in Kuala Lumpur, Malaysia. Council also held two meetings via email during this period and the next face-to-face meeting is scheduled for 3<sup>rd</sup> May 2012 in Rome, Italy.

## 7.2 Engagements and Visits

Council travels and visits were managed and focused on delivering the Council's Work Plan. Since the beginning of the term of this Council, the President, in the course of duty travels engage members in Hong Kong (Member Association), Italy (Member Association), Kenya (Member Association and Academic Member), PR China (Member Association and Affiliate Member), Mongolia (Member Association and Affiliate Member), Ethiopia (Member Association), Republic of Korea (Member Association), Argentina (Member Association), Uruguay (Member Association), Poland (Member Association), Australia (Academic Members) and between the time of writing this report until the General Assembly, expected to engage members in Belgium (Member Association) and Nigeria (Member Association). The President also had the opportunity to engage members (including those from FIG Corporate, Affiliate and Academic memberships) at various international events including regional groupings such as ASEANFLAG and CLGE.

Vice Presidents too shoulder the responsibility of engaging the membership and visited Albania, Greece, Kosovo, Russian Federation, Mongolia, Macedonia FYROM, Germany, Austria, Bosnia and Herzegovina and Bulgaria. There were a couple of occasions where Commission Chairs represented FIG and participated events in Malaysia and Australia.

The Task Force for Africa had an eventful and successful workshop (1 – 2 December 2011) on "Building Resilience in the Profession: A focus on Young People and Women" in Cape Town co-organized and hosted by FIG's South African members. The Young Surveyors Network also supported the event. The Task Force on Spatially Enabled Society successfully co-convene with PCGIAP and GSDI an Expert Group Meeting (14 February 2012, Kuala Lumpur, Malaysia) where it was agreed that spatially enabled societies recognize that all activities and events have a geographical and temporal context, make decisions and organize their affairs through the effective and efficient use of spatial data, information and services.

## 8. Cooperation with Sister Organizations

### 8.1 Joint Board for the Geospatial Information Societies (JB-GIS)

The Joint Board for the Geospatial Information Societies (JB-GIS) at its meeting in Paris in July 2011 elected Prof William Cartwright from International Cartographic Association as the Chair. VP Iain Greenway, representing FIG, attended the meeting in Paris. The Joint Board is gaining prominence and importance, particularly within the United Nations initiatives on Global Geospatial Information Management. This was reaffirmed when the Chair of JB-GIS was included as a member of the "extended" Bureau for the United Nations Committee of Experts on Global Geospatial Information Management, underlying the necessity for international professional geospatial societies to work collaboratively and to have a collective voice within the United Nations system. In November, on the sideline of the United Nations First High Level Forum on Global Geospatial Information Management, an ad-hoc JB-GIS meeting was held and members within JB-GIS reaffirmed their desire to continue collaborating and to coordinate the work particularly in raising the profile of the importance of geospatial information in disaster management.

## 8.2 *International Association of Geodesy (IAG)*

Mikael Lilje (Chair of FIG Commission 5), Rob Sarib (Vice Chair of Administration), Graeme Blick (Chair of FIG Working Group 5.2) and Allison Kealy (Chair of FIG Working Group 5.5) attended the General Assembly for the International Union of Geodesy and Geophysics in Melbourne where the International Association of Geodesy (IAG) is one of the eight scientific associations within IUGG with whom FIG has an operating Memorandum of Understanding (MoU) with.

## 9. *Collaboration with the World Bank*

The 2012 edition of the World Bank Conference on Land and Poverty brings together representatives from governments, civil society, academia, the private sector and the development community to discuss issues of concern to land practitioners and policymakers worldwide. The conference aims to foster dialogue and sharing of good practices by showcasing the diversity of reforms, approaches and experiences that are being implemented in the land sector around the world. With the theme "Land governance in a rapidly changing environment", FIG is collaborating with the Bank in the organization of this annual event that will include a joint segment that considers a number of issues related to assured and authoritative land and property information, and the growing recognition that there should be "continuum" of approaches and solutions, of technologies and technological sophistication

## 10. *Collaboration with the United Nations*

### 10.1 *United Nations Global Geospatial Information Management*

The United Nations convened the inaugural High Level Forum on Global Geospatial Information Management (UN-GGIM) in October last year where international geospatial information societies within the Joint Board of Geospatial Information Societies (JBGIS) represented at the Forum, including FIG, affirmed their commitment and pledged to use their collective professional expertise, research and development capacities to help realize the vision and goal of UN-GGIM, in particular, of building appropriate and sustainable geospatial information infrastructure at national, regional and global levels and of enhanced collaboration in the generation, dissemination and sharing of geospatial information. FIG together with allied organizations within the JBGIS opined that there is a need for international coordination on global geospatial information management with a vision to migrate to a paradigm of *managing all information geospatially*.

### 10.2 *United Nations Human Settlement Programme (UN-HABITAT)*

FIG attended the 23rd Governing Council of UN-HABITAT in Nairobi, Kenya, 11-15 April 2011 where the resolution on "Sustainable urbanization through equitable access to land, housing, basic services and infrastructure" was adopted on 15th April 2011. The Global Land Tools Network (GLTN) within UN-HABITAT must be congratulated for this landmark resolution that encourages Governments to improve urban governance to ensure expanded equitable access to land, housing, basic services and infrastructure; to promote security of tenure for all segments of society by recognizing and respecting a plurality of tenure

systems, adopting alternative forms of land administration and land records alongside conventional land administration systems, and intensifying efforts to achieve secure tenure in post-conflict and post-disaster situations as well as to create mechanisms for broadening land-based revenue streams, including improving the competencies and capacities in the field of land and property valuation and taxation.

The Global Land Tools Network Partners convened its 2011 Partners Meeting in Nairobi on 15 & 16 November 2011 with the theme “Strengthening Global Partnership: Sustaining a Paradigm Shift towards Designing, Developing and Implementing Pro-Poor Land Tools and Approaches” aimed at further strengthening the global partnership towards sustaining the paradigm shift in the development and implementation of pro-poor land tools and approaches and in the promotion of alternative land tenure and land management systems to improve tenure security within the land governance framework. The two-day event also decided on the representations to the International Advisory Board (IAB) and FIG was honored and privileged to be selected as the representative from the professional cluster and over the next two years will need to work on improving the feedback mechanisms and to strengthen working relationships and collaboration between and among partners within the professional cluster and across other clusters towards addressing emerging global challenges in the land sector.

### *10.3 Food and Agriculture Organization (FAO)*

The Bureau for the Committee on World Food Security (CFS) has unanimously agreed to reconvene the Intergovernmental Negotiation on the *Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests in the Context of National Food Security*. The negotiations will take place at UN FAO in Rome, Italy, March 5<sup>th</sup> – 9<sup>th</sup>, 2012 with an aim at reaching an agreement on a final version of the Voluntary Guidelines.

FAO Workshop on Gender-Equitable Governance of Land Tenure was held on 10 – 12 May 2011 at FAO in Rome and FIG was represented by VP Dalal Alnaggar. The Workshop brought together land sector professionals from government, civil society and the private sector to share their experiences of practical approaches to improving gender-equitability in governance of land tenure.

### *10.4 United Nations Group of Experts on Geographical Names (UNGEGN)*

The 26th Session of UNGEGN was convened in Vienna, Austria, 2-6 May 2011 and Mr. Gert Steinkellner, the President of the Austrian member association, represented FIG. This Group of Expert deals with technical, cultural and linguistic aspects of geographical names.

### *10.5 United Nations Office for Outer Space Affair (UNOOSA)*

The Sixth Meeting of the International Committee on Global Navigation Satellite Systems (ICG) was held in Tokyo, Japan from 5 to 9 September 2011. The ICG has been formed as a result of recommendations of the UN Committee on the Peaceful Use of Outer Space (COPUOS), as ratified by the General Assembly of the UN. The International Federation of Surveyors (FIG) is an Associate Member of the ICG. The meeting was attended by Matt



Higgins (Immediate Past FIG Vice President) and Mikael Lilje, (Chair, FIG Commission 5)

#### *10.6 United Nations Economic Commission for Africa (UNECA)*

The United Nations Economic Commission for Africa (UN-ECA) has taken the role to lead the UNGGIM initiative in Africa and convened the GGIM Africa Preparatory Meeting (8 – 10 August, 2011, Addis Ababa, Ethiopia) to consult member states in Africa with a view to develop the continent's needs, prospects and vision for an overall Geoinformation Governance in Africa and to recommend any action that may be required to guide member states in achieving a better coordination mechanism for geospatial information management. The President represented FIG at the meeting.

UNECA has prepared a Memorandum of Understanding that will be tabled at the General Assembly for endorsement. The MoU is intended to deepen collaborative activities between UNECA and FIG and is in support of improving access to information, specifically geospatial information, the promotion of geospatial science and technology for socio-economic development as a key objective.

#### *10.7 United Nations sponsored Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP)*

The President attended the 17<sup>th</sup> Meeting of PCGIAP (21 – 22 July, 2011) held at Ulaanbaatar, Mongolia and during the meeting, it was resolved that there be a 4th Land Administration Forum with the theme “Beyond Spatial Enablement” at the University of Melbourne's Centre for Spatial Data Infrastructure and Land Administration (CSDILA) on 5 – 7 October 2011 and an International Symposium on Spatially Enabled Government and Society with the theme “Towards Spatial Maturity” in Kuala Lumpur, Malaysia on 15 & 16 February 2012. Both the events were supported by FIG and proved to be successful. Alongside the International Symposium was the Expert Group Meeting convened by PCGIAP Working Group 3, FIG Task Force on Spatially Enabled Society and the GSDI Association. The EGM brings together and provide a forum for professionals from government and private sector, academia and research institutes and technologies providers to discuss the issues, trends and technologies that impacts a spatially enabled government and society. Participants from the FIG at the EGM included President CheeHai TEO, Vice President Prof Ing. Rudolf Staiger, FIG Commission 4 Chair, Dr Michael Sutherland, FIG Task Force on Spatially Enabled Society Chair, Dr Daniel Steudler, Peter Laarakker from Dutch Kadaster/GIN, Enrico Rispoli from CNGeGL Italy and Brent Jones from ESRI.

FIG intends to seek avenues to collaborate with PCGIAP in furthering the “Sydney Agenda for Action” that has a primary focus on the small island developing states in the Pacific as these states are part of the 56 member jurisdictions of PCGIAP.

### **11. Finance and Administration**

VP Iain Greenway who is responsible for Finance and Administration will table his report to separately to the General Assembly. It must be stressed that Council continue to recognize that we are in an era of austerity brought on by ongoing economic and financial uncertainties. These economic and financial uncertainties affect the Federation's membership directly. Over

the past year, FIG's administration and financial management were underpinned by fiscal prudence and restraint while providing the necessary administrative stability and sustainability.

## ***12. Concluding Remarks***

The President met the Executive Director Dr. Joan Clos during that period, a meeting that was also attended by Mr. Mohamed El-Sioufi (Head, Shelter Branch, Global Division), Ms. Clarissa Augustinus (Chief, Land, Tenure and Property Administration Section, Shelter Branch) and Mr. Danilo Antonio (Global Land Tools Network Secretariat, Land, Tenure and Property Administration Section). It was a most cordial meeting, the first between the newly appointed Executive Director of UN-Habitat and FIG, that included a verbal invitation to the Executive Director to join us at our 2014 Congress.

FIG's 34th General Assembly saluted Prof. Stig Enemark's contributions to the profession and the Federation with an appointment as FIG Honorary President. The nomination came from the Danish Association of Chartered Surveyors (DdL), unanimously supported by the Council and President Henning Elmstroem of DdL made the recommendation before the General Assembly. Again, on behalf of the Federation, I thanked FIG Honorary President Prof. Enemark for an energetic and illustrious Presidency.

Congratulations go to Past FIG President Earl James who celebrated his 80<sup>th</sup> birthday in October 2011.

On a solemn note, our condolences to the family of Honorary Member Milan Klimes who passed away in January 2012.

Appreciation and much thanks go to all Member Associations as well as all Corporate, Affiliate and Academic Member, National Delegates and Correspondents, Chairs of Task Forces and their members, Chairs of Networks, Chairs of Commissions and their Vice Chairs, the Council and last but not least the FIG Administrative Staff as well as the many who has in one way or another contributed to another eventful FIG year.

**CheeHai TEO**

1<sup>st</sup> March 2012

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**FIG Commission 1 – Professional Standards and Practice**

**Report of Activities 2011-2012**

**FIG Commission 1 – Professional Standards and Practice**

**Report for 2011 for Work Plan 2011–2014**

**1. General**

Commission 1 will continue the work on the changing nature of surveying work and the role of the professional, work at connecting with other like professional commissions operating in regional organizations, building supporting knowledge and materials for surveying professionals. The Commission will continue its work in the Standards and Young Surveyors Networks.

In general the 2011-2014 work plan aims to:

- Share understanding on the challenges facing professional practice in a changing environment of work and within a changing world.
- Provide opportunities for an ongoing exchange of information around issues on professional standards and practice using new technologies.
- Share knowledge of professional practices around ethical delivery of services.
- Connect with other groups in member associations that promote and develop surveying professional standards and practice to share knowledge and develop possible joint activities.
- Work with Commission 2 to develop ongoing pathways of professional education that support the concept of ongoing professional development.
- Promote cooperative development opportunities and the development of new initiatives by growing knowledge from working together with other commissions on the current and future role of the surveyor, the definition of the surveyor as well as the age-structure within the profession.
- Build activities with world wide standards development and certification through the Standards Network.
- Build activities with Young Surveyors through the active support of the Young Surveyors Network.

The Commission will host the inter-commission working group to consider the current and future role of the surveyor, the definition of the surveyor as well as the age-structure within the profession. The other joint working group hosted by Commission 1 will study the

technological, methodological and practical as well as legal aspects on the demarcation of international boundaries.

## **2. Commission activities 2011-2012**

### **Working Week 2011 – Bridging the Gap Between Cultures – Marrakech, Morocco. May 18-22 2011**

I attended the working week along with Vice Chairs Robyn McCutcheon, Australia and Brian Coutts, New Zealand.

The Commission held its annual meeting at the FIG Working Week at Morocco with close to 20 people attending. The group heard about the Work Plan for the next four years and contributed ideas to the implementation of the Plan. Delegates attended representing the Young Surveyors group, the Standards Network and the FIG Council.

Four Technical Sessions were held that attracted good audiences who were engaged with the topics. Our colleagues in Morocco provided very enthusiastic professionals to assist with chairing and reporting for the sessions. They produced very comprehensive reports for the sessions where they were rapporteurs.

A number of successful joint sessions were held:

- Young Surveying Professionals and Students – joint session with the Young Surveyors Network
- Organisational and Legislative Issues – joint session with Commission 7
- Boundary Delineation Issues: From Parcel to Country Level – joint session with Commission 7
- Surveyors and Different Ways of Service Delivery

The joint work with YSN and Commission 7 provided a good opportunity to discuss professional issues that are complex and affect a number of aspects of professional life. This type of awareness of the need to deal with many issues from a variety of angles, ie: as a professional running a business, working on behalf of the community and also dealing with technical aspects of the task

The last session proved very successful and the local association was thrilled with the content. This was very popular as it looked at surveying practice from across the world and gave a flavor of FIG as a international organization allowing professionals to share understanding of how others systems work in a range of countries. It was a good way to gain ideas that might be able to be taken on by others across the world.

### **Working Week– Rome, Italy. May 6-10, 2012**

A number of very good papers and abstracts were received and this will allow the Commission to run some informative technical sessions. It is very pleasing to be able to work across Commissions to tackle some of the more complex issues and questions facing the profession.

There are four technical sessions planned. Once again there will be some joint sessions to develop professional activities across a broader sphere. They will allow the themes of a range of our working groups to be developed.

- The Changing Work Environment of the Surveying Professional – Looking towards 2020.

This will explore the work being done by Working Group 1.1 and also 1.5 considering the role of social media in how we work.

- Cultural Diversity of Work and the Surveying Professional – joint session with Commission 2 and the Young Surveyors Network

This will support the worldwide surveying profession analysis work being undertaken by Cecilia Lindén, Sweden for working group 1.1 and work undertaken by Robyn McCutcheon, Australia, on the status of women in the spatial industry.

- Setting the Boundaries for Large and Small Territories – joint session with Commission 7

This will continue the work from the last working week for Working Group 1.4. Vice Chair Haim Srebro, Israel, has progressed the FIG publication on boundary issues and is close to having this completed.

- Professional Work Environment – Associations, Ethics and Practice

This is a similar session to the very successful one held in Morocco and covers a wide range of issues across countries. It should prove to be a very good way to gain ideas from the expertise that exists in our profession from across the world.

### **Meetings and Attendance at Conferences by Commission Members**

I have provided an overview of the activities of our Commission office holders. (This does not include all activity by all our Vice Chairs.). It gives a snapshot of the activity and opportunities for our people to network with the larger professional community.

Robyn McCutcheon and I attended the local Victorian SSSI summit in September and the Institute of Surveyor's Victoria end of year function in December.

Robyn McCutcheon, is also chair of the SSSI in Victoria, Australia. She had an active year in 2011 attending the 25th International Cartography Conference in Paris in July, spatial@gov the national conference in Canberra in early November and the biennial Surveying and Spatial Sciences Conference 2011 in Wellington, New Zealand in late November. Brian Coutts was one of the organisers for the Wellington Conference.

Robyn also attended the invitation only 4<sup>th</sup> Land Administration Forum for the Asia and Pacific Region – Beyond Spatial Enablement, 5-7 October in Melbourne. Robyn and I met with our FIG President in Melbourne as he also attended this meeting. We discussed Commission 1 activities for the year and ways to continue building the work of the Commission. We also discussed the development of an international conference/working session to build the work of Working Group 1.1, in Australia in 2013.

### **Speaking Engagements**

Robyn and I will speak at the Land Surveying National Conference, April 18-21, 2012. Robyn on 'Women in Spatial' and I will speak on Commission 1 activities.

## **Special Achievements**

Vice Chair, Brian Coutts was recognized for his work for the profession in New Zealand and awarded the Fulton Bequest Class A.1 award. Congratulations Brian.

## **General Commission Activities**

**LinkedIn sub group** - Work progressed with building Commission 1 membership and its activity program. Robyn McCutcheon creative a Commission 1 group on LinkedIn as a sub group to the FIG group. There are regular messages posted on this group.

**Analysis of the Topics from FIG working weeks and congresses** - Commission 1 investigated the topics that have been covered by FIG working weeks and congresses over the last 5 years. Robyn McCutcheon created some word clouds of all of the topics listed on the FIG website. Looking at the results of these analyses for Commission 1, Robyn, found there was a lack of attention to gender issues. This may be because the last newsletter delivered by the taskforce into Under Represented Groups in Surveying was published in 2008. Robyn believes that the issues around gender have not been resolved and decided to write a paper to update FIG Commission 1 members on the state of gender issues in Australia.

The paper will report on the results of a survey carried out by the SSSI Women in Spatial group in 2011. The survey was a follow up from a previous survey performed in 2005 in Australia and New Zealand and indications are that the surveys show little change in the situation for women in the surveying and spatial industry in Australia and New Zealand. Robyn believes that this issue cuts across the topics covered by Commission 1 and 2 in relation to the issues of diminishing numbers of surveyors, the age structure of the surveying industry and how to attract young people to study the surveying and spatial sciences. This work was developed for all of the FIG Commissions and sent to them to assist them in analyzing the topics over the last years and considering what was and what was not presented. This is often a good way to consider what are developing themes and what could be issues of the future.

Cecilia has worked on the survey on the demographic composition of the FIG member organizations and I encourage you all to participate in this research as it will be an excellent resource for our work on an ongoing basis.

**Commission officer news** – Brian Coutts has moved to be a Vice Chair in Working Group 1.1. This leaves a vacancy in Working Group 1.2 that has yet to be filled. Work Robyn McCutcheon is doing can be seen to be part of the activity of Working Group 1.3 as it is about tackling issues of concern for the larger professional community and as she outlined provides information of interest for other Commissions especially Commission 2 and the YSN. Curtis Sumner, USA has been involved in national issues and has not been available for Working Group 1.1 however I have been talking to him and asked him to nominate if he is available later in the term of office.

**Once in a lifetime events** - There are some very significant historical and natural events occurring this year with Victoria, Australia celebrating 150 years of the Torrens Land Title System and the astronomical phenomenon of the Transit of Venus on 6 June.

### **3. Working groups**

#### **Working Group 1.1 - Changing Nature of Work and the Role of a Surveyor (Joint Working Group with Commission 2 )**

Co-chairs:

Winnie Shiu, Hong Kong SAR, China  
Curtis Sumner, USA  
Brian Coutts, New Zealand

Activities in 2011

Papers produced for Working Weeks on this issue. Brian Coutts has moved into this Working Group.

Curtis Sumner currently not active due to other work demands and I have asked him to rejoin when work allows.

Cecilia Lindén age structural survey project within FIG progressing well and will provide valuable information for the work of this group.

#### **Working Group 1.2 – Regulation approaches that provide secure tenure**

Chair:

Brian Coutts, New Zealand ( Now moved to Working Group 1.1 – vacancy to be filled.)

Activities in 2011

Papers produced for Working Week in Morocco on this issue. Brian Coutts has moved into Working Group 1.1 and a new Vice Chair is being sought.

There is lots of interest in this topic being generated by members and there are a range of related papers on these topics for Rome.

#### **Working Group 1.3 – Community of Practice on Professional Standards and Practice**

Chair:

Stephen Djaba, Ghana

Activities in 2011

Robyn McCutcheon's work on the Commission 1 LinkedIn discussion group and the development of the analysis of issues across FIG based on past conferences and Working Weeks has provided a lot of useful research to develop a common shared interest around the lack of balance around age and gender profiles in the profession.

#### **Working Group 1.4 – International Boundary Settlement and Demarcation (Joint Working Group with Commissions 4, 5 and 7)**

Co-chairs:

Dr. Haim Srebro, Israel  
Dr. Bill Robertson, New Zealand

Activities in 2011

This group is working very efficiently and Haim Srebro has reported they are close to developing a publication for FIG that will be able to be published in 2012.

**Working Group 1.5 – Social Media and Surveyors (Joint Working Group with the Young Surveyors Network)**

Interim Chair

Leonie Newnham, Australia

Activities in 2011

This group is evolving and there will be a paper given at Rome. There seems to be a lot of interest from across the world and some emerging experts or local champions in this area. Commission 1 work with the LinkedIn discussion group is a way of developing further skills and ideas on how this might work.

**4. Co-operation with Other Commissions and organisations**

Commission 1 is co-operating with the two FIG networks on standards and young surveyors.

Leonie Newnham  
Chair, FIG Commission 1

29 February 2012



**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**FIG Commission 2 – Professional Education**

**Report of Activities 2011-2012**

**1. General**

The Commission 2 Work Plan 2011-2014 extends the work of prior Commission work plans and tries to fulfill the FIG Council Work Plan and to meet the needs of FIG Academic Members. The general aims are to:

- Share professional surveying education standards and accreditation
- Share core surveying knowledge
- Share good learning and teaching practices in surveying education
- Share good educational management and marketing processes
- Continue development on the FIG Surveying Education Database
- Promote FIG academic membership of universities and other educational organizations
- Promote opportunities for students and young surveyors within Commission 2 and in FIG in close co-operation with the Young Surveyors Network
- Promote cooperative education and research opportunities

**2. Activities**

- Several sessions on Professional Education at the FIG Working Week 2011, Marrakech, Morocco, May 2011.
- Participation with the 23<sup>rd</sup> Surveying and Geomatic Educators Society Conference, July 19-22, 2011, hosted by the Department of Civil Engineering and Surveying, University of Puerto Rico – Mayaguez.
- Preparation of the FIG Commission 2 sessions for the FIG Working Week, May 6-10, 2012, Rome, Italy.
- Preparation of the FIG Commission 2 work shop hosted by the University of Moscow, September 19-21, 2012, Moscow, Russia.
- Preparation of the FIG Commission 2 joint conference with SAGES, July 2013, Tyler, Texas, USA.

**3. Working Groups**

**Working Group 2.1 - Curriculum and Core Survey Knowledge**

Chair: Joshua Greenfeld (Israel)

Vice-chair: Irina Fartukova (Russia)

Policy issues:

- Identify the necessary core surveying knowledge and technology for the education in our profession
- Identify and compare curriculum across universities and countries
- Identify the necessary changes in curricula due to the changing technology in our profession

Activities:

- TS01I, Curriculum and Core Survey Knowledge I at FIG Working Week 2011, Marrakech, Morocco, May 19, 2011, 11:00 – 12:30
- TS02H, Curriculum and Core Survey Knowledge II at FIG Working Week 2011, Marrakech, Morocco, May 19, 2011, 14:00 – 15:30
- Awareness of the development of a Surveying Body of Knowledge prepared by the American Congress on Surveying and Mapping (ACSM), Curriculum, Accreditation, Recruitment and Education (CARE) Committee, to be published in the ACSM journal Surveying and Land Information Science, December 2011 issue (in publication).
- Receipt of “Proposed Standards for the Professional Activities of Surveyors in Sub-Sahara Africa,” Federation des Geometres Francophones, Final Version, February 2012.

### **Working Group 2.2 – Learning and Teaching Methodology**

Chair: Lisa Groenendijk (Netherlands)

Vice-chair: Reinfried Mansberger (Austria)

Policy issues:

- Identify the change in the teaching and learning methodology due to the changing technologies in education and in the professional practice
- Make recommendations for future learning methods under specific circumstances (distance learning, off-the-job-training, life-long learning)

Activities:

- TS07H, Learning and Teaching Methodology, FIG Working Week 2011, Marrakech, Morocco, May 21, 2011, 11:00 – 12:30

### **Working Group 2.3 – Marketing and Management of Professional Survey Education**

Chair: Chris McAlister (Australia)

Vice-chair: Marina Vaskovich (Sweden)

Policy issues:

- Some parts of the world exhibit a declining interest by potential professionals in surveying education. Other parts of the world have an interest but few opportunities to pursue surveying education. Commercial aspects of education must be recognized but opportunities for cooperation between educational organizations and a logical, universal approach to promote professional survey education need be developed and shared

Activities:

- TS 08H, Marketing and Management of Professional Survey Education, FIG Working Week 2011, Marrakech, Morocco, May 21, 2011, 14:00 – 15:30

## **Working Group 2.4 – Accreditation and Quality Assurance**

Chair: Tim Goodhead (United Kingdom)

Vice-chair: Gary Jeffress (United States)

Policy issues:

- Academic accreditation of surveying education programs
- Mutual recognition of surveying education degrees

Activities:

- TS09H, Accreditation and Quality Assurance, FIG Working Week 2011, Marrakech, Morocco, May 21, 2011, 16:00 – 17:50
- Development of a database of educational requirements for licensure by country

### **4. Planned Events**

Invited presentation for La Semaine du Geometre, April 12, 2012, Yaounde, Cameroon, hosted by l'Ordre des Géomètres du Cameroun.

Invited presentation and panel discussion of surveying education for the ISPRS Congress, Melbourne, Australia, August 2012.

FIG Commission Workshop, 19 – 21 September 2012, Moscow, Russia, hosted by the University of Moscow. Preliminary workshop information below:

- Submission of abstract (approx 1500 words): 30th April
- Notification to authors: 14 May
- Full paper submission (max 10 pages): 01 June
- Early registration: 21 June

FIG Regional Conference, Montevideo, Uruguay, November 26 – 29, 2012

Joint workshop SAGES and FIG Commission 2, Tyler, Texas, USA, July 2013

### **Dr. Steven Frank**

Chair of FIG Commission 2 – Professional Education

February 2012

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**FIG Commission 3 – Spatial Information Management**

**Report of Activities 2011-2012**

**1. General**

Commission 3 2011-2014 work-plan is based on several concrete terms of reference:

- Management of spatial information concerned with land and property (data, tools, policies, standards, and regulations);
- Spatial data infrastructure (SDI) – collection technologies, integration processes, maintenance, visualization, standardization, and dissemination;
- Management and dissemination of knowledge and skills for SIM (Spatial Information Management);
- Impacts on organizational structure, business models, Public-Private-Partnerships, professional practice, and administration; and,
- Management of spatial information in supporting good governance.

Within these terms of reference Commission 3 2011-2014 work-plan consists of the following main mission statements, namely:

- Increasing awareness about successful and qualitative SIM approaches and achievements within the “e-Society” framework by demonstrating good practice, including availability, reliability, efficiency, and accessibility of spatial information for better decision making and processes;
- Support of spatial information and SIM-tools usage by surveyors and by all decision-making participants to serve the goals of good governance;
- Share good practice on managerial processes and infrastructure required for data handling, using of information and knowledge distribution;
- Share good practice and develop high-level methods and techniques for merging and managing updated spatial information at various levels according to market requirements;
- Establish and maintain data - and data-quality-standards - relevant to SIM, while cooperating with international spatial data standards committees; and,
- Encourage the use of spatial information within e-government and e-commerce.

Based on these terms of reference and missions, Commission 3 Working Groups focus on the contribution of spatial information for sustainable development. Commission 3 continues to address the phenomenon of rapid urbanization and its impacts with emphasizing on the identification of spatial tools and general principles, norms and standards designed for good governance whilst using reliable and accessible spatial information.

Commission 3 delegates have expressed their strong interest in organizing annual meetings and workshops while concentrating on the specifically identified needs/topics. As in last couple of years, Commission 3 continued the peer review option at its own symposia, and in addition to publishing the accepted peer reviewed papers in special issues of international

professional journals (currently in the Survey Review Journal and Surveying and Land Information Journal).

## **2. Organization and Working Groups**

Commission Chair: Prof. Dr. Yerach Doytsher

### **Administration and Communication**

Vice-Chair for Administration (Communication): Dr. Sagi Dalyot

Vice-Chair for Administration (Events): Mr. Gerasimos Apostolatos

### **Working Groups**

Vice-Chair and Chair of WG 3.1: Prof. Dr. Hartmut Mueller

Vice-Chair and Chair of WG 3.2: Prof. Dr. Ioannidis Charalabos

Vice-Chair and Chair of WG 3.3: Prof. Dr. Peter van Oosterom

### **Working Group 3.1 – SIM Infrastructure**

Chair: Prof. Dr. Hartmut Mueller, Germany

WG 3.1 focus on SIM policy issues. Within the information society domain SIM serves as an integrator of components designed for Spatial Information Infrastructure, mainly in urban areas. SIM is a facilitator for IT-based services used by planners, administrators as well as by the public. Thus, the general topics of the WG 3.1 activity involve: NSDI / GSDI - Spatial Data and Information Infrastructure; modelling and geo-visualization; legal aspects related to SIM; and, SIM in respect to LBS.

The national delegates and members of WG 3.1 actively participated in the FIGWW'2011 held on May in Marrakech, Morocco, and in the Annual Commission 3 workshop held on October in Paris, France (see more details below).

The activity of WG 3.1 is oriented to a FIG-publication on guidelines to establish an efficient SIM Infrastructure in urban areas by addressing legal, institutional and technical issues (planned as a joint publication with WG 3.2 to be published at the FIG Congress 2014).

### **Working Group 3.2 – Technical Aspects of SIM**

Chair: Prof. Dr. Ioannidis Charalabos, Greece

WG 3.2 focus on SIM technical issues. New tools, techniques and policies are required to baseline and integrate the social, economic and environmental factors associated with spatially managing urban areas in general, and cities/megacities in particular. Technical aspects are concerned with: 2D, 3D, and 4D spatial data collection and management; integration and update of spatial data-bases; standardization of information and metadata; and, visualization of information.

The national delegates and members of WG 3.2 actively participated in the FIGWW'2011 held on May in Marrakech, Morocco, and in the Annual Commission 3 workshop held on October in Paris, France (see more details below).

Together with WG 3.1, the activity of WG 3.2 is oriented to a joint FIG-publication on guidelines to establish an efficient SIM infrastructure in urban areas addressing legal, institutional and technical issues (to be published at the FIG Congress 2014).

### **Working Group 3.3 – 3D Cadastre (Joint Working Group with Commission 7)**

Chair: Prof. Dr. Peter van Oosterom

WG 3.3 focus on 3D Cadastres issues. The increasing complexity of infrastructures and densely built-up areas requires a proper registration of the legal status (private and public), which can be provided to a limited extent by the existing 2D-cadastral registrations. An on-going main objective of WG 3.3 is to establish an operational SIM infrastructure framework for 3D-Cadastres. The operational aspect addresses: a common understanding of the terms and issues; and, a description of issues that have to be considered before 3D-cadastres can be implemented. Topics dealt within the activity of WG 3.3 are: 3D-Cadastre - models, SDI and time; 3D-Cadastre and its usability; and, analysing alternatives for the realization of a 3D cadastre model. An important work has been done by the WG in preparing a very detailed questionnaire and gathering information regarding the status of 3D Cadastre in many different countries worldwide. More detailed information can be found on the WG 3.3 website <http://www.gdmc.nl/3DCadastres/>

The activity of WG 3.3 is oriented, inter alia, to a FIG-publication on guidelines to establish 3D-cadastres (a “Primer on 3D-Cadastres”), addressing legal, institutional and technical issues (to be published at the FIG Congress 2014).

### **3. Events**

In 2011 Commission 3 has been active in 3 international events:

#### **A very active participation in the annual FIGWW 2011 conference (May 18-22), Marrakech, Morocco with 11 technical sessions:**

- TS01I - Spatial Information Applications I
- TS02B - Spatially Enabled Society
- TS02C - Spatial Data Infrastructures I
- TS02I - Spatial Information Applications II
- TS03C - Spatial Data Infrastructures II
- TS03I - Spatial Information Applications III
- TS05C - Spatial Data Infrastructures III
- TS05I - Spatial Information Processing I
- TS06B - Spatial Data Infrastructures in Support of Climate Change and Risk/Disaster Management I
- TS08C - Spatial Data Infrastructures in Support of Climate Change and Risk/Disaster Management II
- TS09C - Spatial Information Processing II

Another 6 joint technical sessions (with Commission 7)

- TS07A - SIM and Cadastre
- TS01C - 3D Cadastre and 3D Information
- TS01J - Land Registration

- TS02G - 3D Cadastre and Case Studies
- TS03A - Towards Cadastre 2034 - A Panel Discussion with International Experts
- TS07G - Innovative and Pro-poor Land Records and Information System

And a third group of 3 joint technical sessions (with Commissions 5/7/8)

- TS04C - SIM and Planning
- TS08B - Disaster Risk Management
- TS06G - GNSS and Land Deformation

The number of presentations was 3 to 5 per session, which brings it to a total figure of more than 80 presentations in Commission 3 sessions. More detailed information can be found on <http://www.fig.net/pub/fig2011/techprog.htm>

**The annual 2011 FIG Commission 3 workshop/conference (October 25-28), Paris, France (local organizing committee chair – Mr. Rafic Khouri) on "The Empowerment of Local Authorities: Spatial Information and Spatial Planning Tools". Close to 50 participants arriving from 19 countries worldwide have attended 8 technical sessions:**

- TS 1: Opening of the Workshop (invited keynote speeches)
- TS 2: GIS Systems and Tools
- TS 3: Spatial Planning Tools
- TS 4: Technical Aspects of SIM
- TS 5: Spatial Data Infrastructure
- TS 6: Cadastre and Cadastral Management
- TS 7: Environmental Issues and Modelling
- TS 8: Best Peer-Review Papers

The total number of presentations at the event was approximately 35. More detailed information can be found on the conference website:

<https://sites.google.com/site/figcom3/proceedings-1>

**2<sup>nd</sup> International Workshop on 3D Cadastres – jointly with Commission 7 (16-18 November 2011), Delft, The Netherlands, with 9 technical sessions and 4 working sessions (each one in 3 separate sessions):**

- TS 1: Legal Aspects I
- TS 2: Technical Aspects I
- TS 3: Prototypes I
- TS 4: Technical Aspects II
- TS 5: Organizational Aspects I
- TS 6: Prototypes II
- TS 7: Modelling
- TS 8: Legal Aspects II
- TS 9: Organizational Aspects II
- WS 1: Legal Framework 3D Cadastres (in 3 separate sessions)
- WS 2: Initial Registration of 3D Parcels (in 3 separate sessions)
- WS 3: 3D Data Management (in 3 separate sessions)
- WS 4: Visualization, Distribution and Delivery of 3D Parcels (in 3 separate sessions)

The total number of presentations at the event was more than 30. More detailed information can be found on the workshop website: <http://3dcadastres2011.nl/programme/>

## **Planned Events for 2012**

### **Commission 3 will participate and/or organize 4 conferences and workshops:**

Will participate in the annual **FIGWW 2012** conference (May 6-19), Rome, Italy, with 14 technical sessions (commission 3 sessions as well as several joint sessions with other commissions), with approximately 70 planned presentations.

Will organize (jointly with Commission 7) the **3rd International FIG workshop on 3D-Cadastrals**, Shenzhen, China, 25-26 October 2012. A call for participation has been published and abstracts submission is open via the EasyChair link <http://www.easychair.org/conferences/?conf=3dcad2012> (abstracts submission deadline is 15 June 2012).

Will participate in the **8th FIG Regional Conference**, Montevideo, Uruguay, 26-29 November 2012.

Will organize the **Annual FIG Commission 3 workshop/conference**, Athens, Greece, 11-14 December 2012 (jointly with the 2012 WPLA workshop). A call for participation and submission of papers will be published shortly.

### **Prof. Dr. Yerach Doytsher**

Chair, FIG Commission 3

February 2012



**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**FIG Commission 4 – Hydrography**

**Report of Activities 2011-2012**

The end of the year 2011 marked the end of the 1<sup>st</sup> year of Commission 4's 2011-2014 term. The Commission continues to pursue significant contributions to hydrography and hydrography-related activities. Specific contributions and achievements for 2011 are outlined in this report.

**1. Working Group reports**

**Work Group 4.1 Ellipsoidally Referenced Hydrographic Surveys (ERS)**

Chair: Jerry Mills, USA

The objectives of Commission 4.1 for 2011-14 included:

1. Study and report on the technical aspects of using GNSS to vertically reference hydrographic surveys to the ellipsoid
2. Catalog the methods used to conduct a vertical datum transformation from the ellipsoid to vertical datums used for hydrographic and offshore surveying
3. Develop uncertainty models for both of the above

Objective #1: A questionnaire related to Ellipsoidally Referenced Surveys (ERS) practices was distributed in the summer of 2010 under the auspices of FIG Commission 4 Working Group 4.1. This followed a much narrower information gathering exercise which was initiated in the summer of 2009 prior to the formation of WG 4.1. The findings from the results of both stages of information gathering were summarized in a paper that was presented at the U.S. Hydrographic Conference 2011 in Tampa, Florida and subsequently published in the November 2011 issue of the International Hydrographic Review: Dodd, D. and Mills, J. (2011) Ellipsoidally Referenced Surveys: Issues and Solutions.

Objective #2: During 2011 the Working Group has been gathering information on the methods used by various nations to conduct vertical datum transformation from the ellipsoid to the chart datum. The resultant vertical separation model (SEP) will enable ellipsoidally referenced coherent hydrographic survey data sets to be referenced to the nautical chart datum. The compilation of the Working Group's findings will be presented at the FIG Working Week 2012: Dodd, D. and Mills, J. (2012) Ellipsoidally Referenced Surveys (ERS) Separation Models.

Objective 3: Some minor progress has been made in the U.S. for determining the uncertainty of both Ellipsoidally Referenced Surveys and vertical separation models. Much more work is yet to be done.

Next Steps:

1. Engage the international hydrographic community in identifying and refining “best practices” for (a) the use of GNSS in vertical positioning relative to the ellipsoid for hydrographic surveying, (b) the development of vertical separation models and (c) the determination of uncertainty models for both of the above.
2. Publish an FIG Publication on the above “best practices” and make a proposal to the International Hydrographic Organization (IHO) to include the information in this publication in the IHO Manual on Hydrography.

## **Work Group 4.2 Standards and Guidelines for Hydrography**

Chair: Andrew Leyzack, Canada

This working group’s aim is to:

- Assist in the development and recognition of standards of competency;
- Assist in the development of technical standards and guidelines;
- Cooperation with sister organizations and other appropriate bodies.

The working group continues to seek to:

- Promote the use of standards and guidelines to the surveying community;
- Review Standards coming from ISO TC211 (and other reputable sources) for relevance to Hydrography;
- Assess the impact of international standards on current industry practice;
- Represent Commission 4 on the FIG Standards Network;
- Promote recognition of professional pathways;
- Review IHO and other Manuals of Hydrography in conjunction with WG 4.3.

WG activity in 2011 was somewhat limited to tasks undertaken by the chair on a national level where priorities called for efforts related to Standards and Guidelines be directed closer to home.

Late in 2010, a brief summary of the new Guidelines for Individual Recognition, part of the Edition 10 Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (S-5 and S-8) was prepared for the Canadian Institute of Geomatics (CIG) Hydrography Committee and published in Lighthouse the journal of the Canadian Hydrographic Association. The report promoted the value of hydrographer certification programs, particularly in fostering CPD and IBSC-accredited training courses worldwide. Additionally the report identified an important element of these Guidelines which is the requirement for a joined-up approach between the surveying profession, government, academia and industry towards implementing a national certification scheme. Upon release of S-5 and S-8, beginning early in 2011, the chair continued to promote the Guidelines to both the CIG and the Association of Canada Lands Surveyors, the latter having previously published a model for certification in many ways compliant with the IBSC Guidelines.

While unable to attend WW2011, on behalf of the chair of WG4.2, Mr. George MacFarlane, president of the Canadian Hydrographic Association, represented Commission 4 in the 2011 Standards Network meeting at WW2011.

In the wake of a busy 2011 field season, in particular the chair’s recent involvement leading a multidisciplinary, multi-departmental and multiplatform Arctic charting and mapping pilot

project has lead to a recent review of IHO S-100. Perhaps out of an immediate need to develop a more integrated and systematic approach to marine-related data management and a practical requirement to develop guidelines for the creation and distribution of marine information specific to environmentally sensitive areas, initial findings tend to point towards further study of the S-100 to support a specification for an environmental layer.

With the upcoming Canadian Hydrographic Conference (CHC) 2012 a great deal of 2011 effort has been focused on chairing the technical committee in evaluating abstracts and developing the technical program for this bi-annual meeting.

### **Working Group 4.3 Multi-Sensor Systems for Hydrographic Applications**

Chair: Volker Böder, Germany

The stated foci of this working group are to:

- Assist in the development of technical guidelines for sensor integration (best practices);
- Cooperate with sister organizations and other appropriate bodies (e.g., IHO, IMO);
- Cooperate with other FIG Commissions.

Stated specific objectives are to:

- Liaise with working group 4.2 to upholding the standards of hydrography;
- Report on the development, possibilities and limitations of new technologies;
- Organize a Symposium with the working title "Integrating Sensors in Hydrography";
- Assist in the development of technical guidelines for sensor integration.

A questionnaire was distributed in summer 2010. The main goals were to contact with interested persons and establish an efficient working group. Responses to the questionnaire didn't meet expectations but the working group is active and is communicating via email and ftp. An ftp website for the distribution of information was announced to collect the description of problems, international, national and institutional standards and presentations/papers regarding the use of multi-sensor systems. New approaches shall be taken into account.

A new German report was distributed which deals with uncertainties in Hydrography, implemented as part of a new quality management system of the German water- and shipping authorities. Presentations and papers can be expected in the near future. Several discussions clarified that one focus of the working group shall lie on the positioning, attitude determination and calibration of MBES and MLS onboard (patch test).

Related literature in 2011:

- V. Böder, T.P. Kersten, T. Thies, A. Sauer (2011): Mobile laser scanning on board hydrographic survey vessels - applications and accuracy investigations -. FIG Working Week 2011, Marrakech.

Related Sessions FIG Working Week 2011, Marrakech:

- TS05J – Hydrography in Practice

Related Sessions FIG Working Week 2012, Rome:

- TS04J - Hydrographic Technologies (TS03C - Multi-Sensor Systems, TS04H - Measurement Applications of Unmanned Vehicles)

Next steps:

- The ftp site has to be filled up with information, published to interested user and later be switched to a website.
- The IHO Manual will be investigated regarding possible additions.
- Beside the FIG Working Week in Rome some aspects of multi-sensor systems for hydrographic applications will probably be presented at the Hydro12 conference in Rotterdam (NL) in November 2012 (hydro12.com).

#### **Work Group 4.4 Maritime and Marine Spatial Information Management**

Chair: Jonathan Li, Canada

This working group's aim is to participate in co-operation with United Nations agencies on topics that are related to commission expertise (e.g. marine cadastre, data framework for e-Navigation etc.) and on guidance by FIG Council. Specifically the working group aims to:

- Cooperate with, and represent the interests of FIG Commission 4 to, IMO in the development of an e-Navigation data framework (e.g., harmonization of data models among stakeholders).
- Cooperate with IHO on the continuing development and expansion of S-100 to support hydrographic- and hydrographic-related spatial information management.
- Cooperate with appropriate stakeholders (e.g., IHO-MSDIWG) on the development of concepts and principles that impact and are impacted upon by hydrography (e.g., MSDI, marine spatial planning and management, marine data models and applications, marine cadastre etc.).
- Present and promote the above concepts, principles and outcomes to the international surveying community.

In 2011 some changes were made to the structure of the working group - two new study groups were created:

- Study Group 4.4.1 Marine Spatial Data Infrastructure ; and
- Study Group 4.4.2 Remote Sensing of Coastal and Marine Waters.

The study groups were created to take advantage of international hydrography-related initiatives (such as the International Hydrographic Organization's (IHO) interest in Marine Spatial Data Infrastructure and data structures) and other special research focus of concern to Commission 4.

Additionally, there was a "changing of the guards" among officers of the working group:

- Professor Dr. Jonathan Li, Professor of Geomatics, Department of Geography & Environmental Management, University of Waterloo, Canada replaced Dr. Michael Sutherland (Trinidad and Tobago, and Canada) as Chair, Working Group 4.4, Maritime and Marine Spatial Information Management;
- Professor Li was also approved as Chair, Study Group 4.4.2 Remote Sensing of Coastal and Marine Waters; and
- Dr. Bhesem Ramlal, Head of Department, Department Geomatics Engineering and Land Management, The University of the West Indies, St. Augustine, Trinidad and Tobago was approved as Chair, Study Group 4.4.1 Marine Spatial Data Infrastructure.

The late changes to the structure of the working group mean that there was some delay in pursuing the group's objectives. Members of the working group will collaborate with the IHO and IMO and report to FIG on issues and developments affecting hydrography at the international level. The working group will also consider a publication on issues relating to remote sensing of coastal waters.

#### **Work Group 4.5 Hydrography in Africa**

Chair: Angela Etuonovbe, Nigeria

The stated foci of this working group are to:

- Raise the awareness of hydrography in all African countries.
- Make available its potentials to various countries (Africa).
- Enunciate its potentials as a vital component and catalyst to nation building.
- Promote free exchange of information among all those engaged in Hydrography.

Stated specific objectives are to:

- Organize seminars and workshops on the potentials of hydrography in several countries.
- Promote recognition of hydrography by organizing charity walks.
- Communicate the activities of Commission 4 and other FIG events to African member countries.
- Liaise with working group 4.2 to uphold the standards of hydrography.

This working group continues to push for increased recognition in Africa of the important contributions of hydrography to society's objectives, and to ensure that this discipline receives the public funding and support that it deserves. The main work carried out in 2011 includes meetings with high level government officials, and the organization of a workshop on hydrography and national development, held in Lokoja, Nigeria between 24<sup>th</sup> and 26<sup>th</sup> October 2011. Details of the workshop are outlined in the section on conferences, workshops and symposia, and in a report published on Commission 4 website. The working group also continues to work with FIG Africa Task Force.

## **2. Conferences, Meetings, Workshops and Symposia**

### **Hydrography Awareness Workshop in Nigeria (Organized by Working Group 4.5 Hydrography in Africa)**

As a response to the lack of hydrography awareness in Africa, Commission 4 Working Group 4.5 (Hydrography in Africa) organized a 3-day workshop in Lokoja, Nigeria between 24<sup>th</sup> and 26<sup>th</sup> October 2011. The theme of the workshop was "Hydrography and National Development". Participants came from as far away as Ghana and Canada. The welcome address was given by workshop organizer and Chair, Working Group 4.5, Surv. (Mrs.) Angela Kesiena Etuonovbe. In her address, she highlighted the importance of hydrography to national development and encouraged participants to appraise where they are now with regard to hydrographic practice in Africa, and to consider where they ought to be in the next century.

The workshop was supported by the Chair, Commission 4, International Federation of Surveyors, His Excellency, Governor Ibrahim Idris, represented by Surv. M. O. Abolarin,

Deputy Surveyor-General of Kogi State, the Honourable Minister of Transport, Sen. Idris Umar, represented by the Managing Director, National Inland Waterways Authority (NIWA), Arc. Ahmed Aminu Yar'adua, The President, Nigerian Institution of Surveyors (NIS), Surv. Chief Yakubu Maikano, the President, Surveyors Council of Nigeria, (SURCON), Sur. G. A. Agunbiade, the Nigerian Port Authority (NPA), the Hydrographic Society of Nigeria and the Hydrographer of the Nigerian Navy.

Four technical papers were presented by resource persons drawn from Nigeria, Ghana, and Canada. The full workshop report is to be found on Commission 4 *Reports from Events* website.

### **FIG Working Week 2011, Marrakech, Morocco**

In May 2011 (18<sup>th</sup> – 22<sup>nd</sup>) FIG held its Working Week in Marrakech, Morocco. Notwithstanding some no-shows, Commission 4 technical sessions comprised approximately 26 papers and covered general themes such as:

- Hydrography-Assisted Monitoring;
- Hydrography in Practice;
- Hydrography and the Environment; and
- Marine\Coastal Modelling and Technology.

The technical sessions were well attended, and attendees made significant contributions through questions, comments, and commitments. Of significance was the participation of “Young Hydrographers” as part of FIG’s Young Surveyors’ Network.

### **11<sup>th</sup> South East Asian Survey Congress, Kuala Lumpur, Malaysia**

The 11<sup>th</sup> South East Asian Survey Congress was held in Kuala Lumpur, Malaysia during the period June 22<sup>nd</sup> to 24<sup>th</sup> 2011. The Chair of FIG Commission 4 was among other FIG officers invited as special guest speakers. The Chair addressed the plenary session on the topic of implementing a marine cadastre. The concept of the marine cadastre continues to be of importance to jurisdictions in South East Asia, and hydrography plays an important role in developmental strategies.

### **IHO - IMO - IOC – WMO – IALA - IAEA 5th Capacity Building Coordination Meeting**

The IHO - IMO - IOC – WMO – IALA - IAEA held their 5th Capacity Building Coordination Meeting at IALA Headquarters, Saint Germain en Laye, Paris, France during the period October 27-28 October 2011. Commission 4 was in attendance by special invitation and was represented by Vice-Chair Administration and Communication, Mr. Gordon Johnston, Commission 4’s *de facto* liaison to IHO. Commission 4’s participation represents evidence of its commitment to cooperate with sister organizations, outlined in section 6 of its work plan.

The organizations meet with the freedom of not having established any formal terms of reference for this event. This enables the participants to express their views and indicate potential (as well as real activities) that illustrate how they each work and where some lessons may be gained for other organizations. The role of FIG and Commission 4 was outlined citing various publications and meetings as the key deliverables relating to Capacity Building and

proposed a more coordinated schedule of meetings, possibly as joint events, to better reach our audiences.

### **Other Conferences, Meetings and Symposia**

During 2011 Commission 4 officers and members attended other meetings or presented papers at a number of conferences of importance to hydrography:

- Hydro 2011 in Fremantle, Western Australia, 7<sup>th</sup> – 10<sup>th</sup> 2011;
- Second International FIG Workshop on 3D-Cadastrals, 16-18 November 2011, Delft, the Netherlands;
- 11th International LiDAR Mapping Forum 2011, 07-09 February, New Orleans, Louisiana, USA;
- Ocean Business 2011, 5-7 April, Southampton, UK;
- U.S. Hydrographic Conference 2011, 25-28 April, Tampa, Florida U.S.A;
- 6<sup>th</sup> International Shallow Survey Conference 2012, Wellington, New Zealand.

### **3. Boards, Committees and Liaisons**

#### **FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC)**

Commission 4 continues to represent FIG on the FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC) jointly with IHO and ICA. Commission 4 has four representatives on the Board, these being: Gordon Johnston (UK), Dr. Razali Mahmud (Malaysia), Adam Greenland (New Zealand). In June 2011, Dr. David Neale, former Commission 4 Vice-Chair Administration and Communication, and former Commission 4 representative on IBSC, lost his battle with cancer. The hydrographic community lost a stalwart. Subsequently Dr. Neale has recently been replaced by Dr. Keith Miller as the 4<sup>th</sup> FIG member on the Board. Keith is from the Department of Geomatics Engineering and Land Management, University of the West Indies, St. Augustine, Trinidad and Tobago.

At the IBSC meeting, held in New Orleans the Board reviewed 8 submissions, granting immediate recognition to 4 and requesting further input on the others. AAA full list of the current Recognised Courses is available on the IHO website at:

[http://www.iho.int/srv1/index.php?option=com\\_content&view=article&id=440:ibsc&catid=64:4ircc&Itemid=398](http://www.iho.int/srv1/index.php?option=com_content&view=article&id=440:ibsc&catid=64:4ircc&Itemid=398)

The aim for the 2012 meeting will be to update the Standards themselves for their technical content in relation to a syllabus.

#### **IHO Liaison**

In 2011 a dialogue started between FIG Commission 4 and the IHB of the IHO with an aim to creating a possible dual hosted event. This is a work in progress. Meanwhile FIG has been included in the invitations to a couple of Regional Hydrographic Commission events.

## **4. Publications**

### **Newsletter**

Commission 4 continued to publish newsletters in *Hydro International* on a regular basis. Newsletters were also published in *Geomatica* (the official publication of the Canadian Institute of Geomatics) and *Lighthouse* (the official publication of the Canadian Hydrographic Association) upon request. A newsletter was also published on Commission 4 website <http://www.fig.net/commission4/newsletters/newsletters.htm>

### **Other Publications**

In 2011 Commission 4 members made contributions to hydrography and hydrography-related issues *via* publications in journals and other related media. The importance of these publications, when not directly about hydrography, is that they demonstrate the importance of hydrography as applied to the social, economic, political and environmental objectives of society at large.

**Michael Sutherland**  
Chair, Commission 4

February 2012



**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**FIG Commission 5 – Positioning and Measurement**

**Report of Activities 2011-2012**

**1. General**

The Commission 5 2011-14 work plan consists of realising tangible outcomes for our **five** missions, which are -

- FOCUS on modern technologies, technical developments and applications
- FACILITATE and follow technical developments through collaborations with other FIG Commissions and like organisations
- FOSTER and support research and development and stimulate new ideas in the fields of expertise represented within the commission.
- FORMULATE and formalise collaboration with manufacturers on the improvement of instrumentation and associated software.
- FIG EVENTS - present and promote the work of the Commission and its working groups through technical events and necessary media

During 2011, the Commission 5 team took steps forward in achieving our goals by focusing our energy to ensure the FIG 2011 Working Week in Marrakech was a success. We also effectively collaborated with our sister organisations at events to promote and fulfil the objectives of our work plan, especially at events such as the General Assembly for the International Union of Geodesy and Geophysics (Melbourne, Australia) and ICG-6 (Tokyo, Japan). In addition to this, the Commission has been involved in the preparations for the upcoming FIG Technical Seminar on Reference Frames in Practice in conjunction with the FIG Working Week in Rome.

Working group chairs and members from Commission 5 have been actively representing FIG at numerous related symposia around the world as well as progressing the work of the working groups. Some of the working group activities are as follows:

**2. Working Groups**

**WG 5.1 – Standards, Quality Assurance and Calibration**

Chaired by David Martin

Standards remain a very important part of surveying – even more so in the modern black-box world where the details of instrumentation and techniques are often opaque for the average practicing surveyor. They are very reliant upon standards underpinning the correct functioning of their instruments.

Working Group 5.1 was active at the FIG Working week in Marrakech. One session was dedicated to GNSS CORS Infrastructure and Standards. The main item at Marrakech was a meeting to discuss future actions regarding FIG publication No. 9 Recommended Procedures for Routine Checks of Electro-Optical Distance Meters - ([http://www.fig.net/pub/figpub/pub09/FIG-Publication\\_Nr9\\_english.pdf](http://www.fig.net/pub/figpub/pub09/FIG-Publication_Nr9_english.pdf)). Attendees of the meeting were provided with background information to the subject document and then primarily focused their discussion on the scope and the following review options:

1. maintain the guide as it is,
2. re-edit it with minor or major modifications,
3. consider withdrawing it definitively; and
4. depending on what option chosen, how FIG should proceed.

At the meeting in Marrakech it was decided that the publication should be revised with additions for recommendations for hand held distance-meters and reflector-less instruments.

An important initiative is underway to submit to ISO a proposal for a standard related to ITRS. The French standardization agency AFNOR has established at national level an ad hoc committee chaired by Claude Boucher for this purpose. After several discussions, the committee has decided:

- That France propose to ISO to establish an ad hoc structure dealing with standardization on geodetic references;
- That this structure should be established within the ISO TC 211 on Geospatial Information;
- That this structure should take care of the establishment of the standard related to ITRS as one of its future work items.

The first step proposed by France is to undertake a preliminary work (stage 0) on Geodetic references within ISO TC211. The purpose of this work will be to re-assess at international level and within the frame of ISO TC211 the initial work done by France through the AFNOR committee. A strong liaison with FIG, as well as IAG and other international organizations is an important part of this stage 0 work.

Another important standard under development under the supervision of ISO TC211 is Geographic information – Calibration and validation of remote sensing imagery sensors – Part 1: Optical sensors:

*“Imaging sensors are one of the major data sources for geographic information. The image data capture spatial and spectral measurements and are applied for numerous applications ranging from road/town planning to geological mapping. Typical spatial outcomes of the production process are a vector maps, Digital Elevation Models, and 3-dimensional city models. There are typically 2 streams of spectral analysis data, that is, the statistical method, which includes image segmentation and the physics-based method which relies on characterisation of specific spectral absorption features.*

*In each of the cases the quality of the end products fully depends on the quality of the measuring instruments that has originally sensed the data. The quality of measuring instruments is determined and documented by calibration.”*

Several other standards under Technical Committee ISO/TC 172/SC 6 "Geodetic and surveying instruments" standards grouping are also presently under discussion and/or revision:

- Optics and optical instruments -- Field procedures for testing geodetic and surveying instruments -- Part 4: Electro-optical distance meters (EDM measurements to reflectors)
- Optics and optical instruments -- Field procedures for testing geodetic and surveying instruments -- Part 5: Total stations
- Optics and optical instruments -- Field procedures for testing geodetic and surveying instruments -- Part 6: Rotating lasers
- Optics and optical instruments -- Ancillary devices for geodetic instruments -- Part 1: Invar levelling staffs.

A principal aim of Working Group 5.1 over the coming year remains the examination and promotion of guidelines and recommendations for standards and quality in survey measurements based on the ISO Guide to Uncertainty in Measurement (GUM) and its supplements.

### **WG 5.2 – Reference Frames**

Chaired by Graeme Blick

One of the focuses of this group has been to work on issues around the establishment of 4 dimensional datums, i.e. those including a time variable component to account for the effects of crustal deformation. A small sub-group meet in Sydney in July 2011 and has been discussing ideas, some of which will be presented during the Technical Seminar on Reference Frames in Practice in Rome. Following on from this seminar it is hoped that presentations can be brought together in what might be the beginning of a technical document on Reference Frames in Practice. Another area of investigation is looking at geodetic data models and data transfer formats and standards and this will be reported on at future meetings.

### **WG 5.3 – Geodetic and Positioning Infrastructure**

Chaired by Neil D. Weston

One of the big projects the IGS is gearing up for is "repro2" which will involve the re-processing all the GNSS data collected at the IGS reference stations. Supplemental data will be included from a number of regional networks to strengthen the ties around the globe. Completing repro2 by 2012 does not seem feasible and therefore plans to have something complete by the end of 2013 seem more appropriate. The following milestones will need to be met to complete the re-analysis of the GNSS data.

- 1) Agree to and finalize a set of analysis standards (mid 2012),
- 2) Implementing all software enhancements (late 2012),
- 3) Begin the reprocessing effort -all ACs and
- 4) Combine the results of the individual analyses (late 2013).

Another area with significant interest is in the real-time sector. In the United States, the National Geodetic Survey will hold a symposium of all the real-time network operators to discuss how each party can benefit by following an agreed upon set of standards and guidelines. The goal is to ensure network providers are tied to the national reference frame

and the coordinates they produce in their software packages are consistent from one regional network to the next. The symposium is set to take place in the summer of 2012.

Probably the biggest endeavour the geodetic agencies in the United States are working on is to move to a geometric datum that is aligned to the ITRF. The initial plans are to switch the current horizontal datum in the United States (NAD83) sometime in 2020. Although final implementation is a long way off, a significant amount of work has to be performed on the legislative side. A grass-roots effort will begin soon to educate the positioning communities about the impacts and benefits to switching to a 3-D geometric datum.

#### **WG 5.4 – Kinematic Measurements**

Chaired by Volker Schwieger

The geodetic world and therefore the surveying profession are moving from static to kinematic measurements, consequently Commission 5 established this new Working Group (WG) for the term 2011-14. The main activity for this WG in 2011 was to find active group members and define the fields of activity more in detail. Up to now a small but active group of practitioners and academics from four continents have converged. New group members are still welcome. The two technical main points identified are; multi-sensor-systems related to monitoring and machine guidance. Covered topics are e.g. synchronisation of measurement and modelling of movements. The main task is to facilitate the interchange of knowledge about kinematic measurements among practitioners and researchers at FIG Working Weeks and Regional Conferences. For the Working Week in Rome a dedicated session is planned. Also joint conferences with other organisations like the Mobile Mapping Technology and the Machine Control and Guidance are the focus of the WG.

#### **WG 5.5 – Ubiquitous Positioning**

Chaired by Allison Kealy

Ubiquitous positioning systems typically rely on the fusion of multiple sensors, signals or measurements to deliver a position solution in environments that are 'difficult' for Global Navigation Satellite System (GNSS). To fully deliver a ubiquitous positioning capability requires an understanding of the performance capabilities of the sensors used to augment or replicate that of a GNSS. These activities were the focus of Working Group 5.5 in 2011.

Working Group 5.5 was active at the FIG Working week in Marrakech. One session was dedicated to Alternatives and Backups to GNSS. Four of the six papers in this session were delivered based on outcomes generated collaboratively by members of Working Group 5.5. The members of the working group took this opportunity to discuss the objectives of the group's activities for 2011/2012. These discussions included:

1. a redefinition of ubiquitous positioning systems,
2. provision of complete and representative data sets for use by the positioning user community via a dedicated web portal,
3. a focus on collaborative positioning techniques; and
4. broadening the use of sensors beyond MEMS inertial sensors to include other alternative positioning technologies.

The working also maintained a strong and active presence at the following international events.

- Mobile Mapping Technology (MMT) Symposium, Krakow Poland. This included participating as part of the scientific program committee, presentation of working group outcomes as well as the coordination of two pre symposium tutorials;
  - Title: Mobile mapping technology: paradigm shift and future trends
  - Title: Applications of MMT in land transportation systems and infrastructure from planning through
- 2011 International Union of Geodesy and Geophysics (IUGG) General Assembly, Melbourne, Australia. Presentations and posters as part of our on-going collaborations with the International Association of Geodesy (IAG). Working group co-chair Allison Kealy and member Dorota Brzezinska are the current vice president and president of IAG Commission 4, Positioning and Applications. This will continue to strengthen links between the two organisations.
- **ION GNSS 2011: 24th Institute of Navigation GNSS Conference**, Portland, Oregon. Participation with papers, program chair (Dorota Brzezinska) and track chair (Allison Kealy)
- International Symposium on Location-Based Services, Vienna, Austria. Co-chair Guenther Retscher played an important role in involving the FIG in this event which offers a wealth of knowledge for FIG members interested in alternative positioning technologies.
- International GNSS Symposium, Sydney, Australia. Papers presented on behalf of the working group on emerging issues in collaborative navigation.

Members of working group 5.5 undertook major collaborative endeavours at Ohio State University, USA and the University of Melbourne, Australia. These field based collaborations have generated significant data sets the analysis of which will form the basis of work in 2012. A priority of the group for the first quarter of 2012 is to have publications and data set available on the FIG official website.

### **3. Cooperation**

#### 3.1 Cooperation with Other Commissions

In 2011, Commission 5 continued to work with the other FIG Commissions as required. This work was primarily with Commission 6 on topics relating to deformation measurement, calibration of instruments, long range measurement, satellite and terrestrial imagery measuring techniques (in particular mobile and static laser scanning). This cooperation involved holding joint technical sessions and meetings at FIG related events as well as co-sponsoring symposiums. Examples of the latter are;

- Quality of Geodetic Measurements (Munich, Germany)
- Geo-Siberia (Novosibirsk, Russia)
- 7th International Symposium on Mobile Mapping Technology (Krakow, Poland)
- Innovative Technologies for an Efficient Geospatial Management on Earth (Ulanbaatar, Mongolia)

### 3.2 Cooperation with Sister Organisations

Commission 5 has continued to put in a lot of effort in maintaining a successful working relationship with the International Association of Geodesy (IAG), the Permanent Committee for GIS Infrastructure Asia-Pacific (PCGIAP) and the International Committee on GNSS (ICG). We achieved this by convening joint technical sessions and holding joint administrative meetings during the FIG Working Week and the IUGG General Assembly on significant issues such as geospatial and positioning infrastructure and the upcoming joint technical seminar on Reference Frame in Practice scheduled for Rome prior to the Working Week.

During 2011, the following events were held with sister organisations or where the Steering Committee held discussions with our sister organisations;

- General Assembly for the International Union of Geodesy and Geophysics, IAG (Melbourne, Australia)
- ICG-6, International Committee on GNSS (Tokyo, Japan)
- The Geodetic Infrastructure in Europe, CLGE (Umeå, Sweden)
- 3rd International Colloquium - Scientific and Fundamental Aspects of the Galileo Programme (Copenhagen, Denmark)
- UAV-g, ISPRS (Zurich, Switzerland)

For more detailed reports from these events please refer to our Commission website.

### 3.3 Cooperation with UN

The International Committee on Global Navigation Satellite Systems (ICG), met in Tokyo, Japan during 5 - 9 September 2011. Mikael Lilje attended representing FIG, and Matt Higgins as Co-Chair of Working Group D of the ICG. Mikael Lilje was also at the meeting as our Commission's representative on Task Force D1 on Geodetic References. A full report can be found on our Commission website.

Note - the ICG was formed several years ago as a result of recommendations of the UN Committee on the Peaceful Use of Outer Space (COPUOS). At these meetings reports are given on the status of major GNSS sub-systems and the activities of task forces on geodetic and timing references.

## **4. Events**

### **2011**

A summary of the Commission 5 activities at events in 2011 can be found on our website <http://www.fig.net/commission5/index.htm>

### **2012**

In the first half of 2012 Commission 5 will endeavour to send representatives to the following conferences -

- 12-13 March, Frankfurt am Main, Germany

Symposium and Workshop on PPP-RTK & Open Standards. Organised by Federal Agency for Cartography and Geodesy (BKG), RTCM and IAG, co-sponsored by FIG.

Website: <http://igs.bkg.bund.de/ntrip/symp>

- 27-29 March, Stuttgart, Germany  
3rd International Conference on Machine Control Guidance, MCG. Organised by University of Stuttgart and University of Hohenheim, Germany. Co-sponsored by FIG  
Invitation (pdf) Web site: <http://www.uni-stuttgart.de/ingeo/mcg2012/>
- 17-19 April, Novosibirsk, Russian Federation  
Interexpo Geo-Siberia-2012. Organised by Siberian State Academy of Geodesy (SSGA).  
Co-sponsored by FIG  
Invitation Web site: [www.expo-geo.ru](http://www.expo-geo.ru)

## **5. Communication and Publications**

Commission 5 have issued numerous reports and periodic newsletters to our delegates. These communiqués can also be found on websites -

- <http://www.fig.net/commission5/reports/reports.htm> and
- [http://www.fig.net/commission5/news/news\\_1.htm](http://www.fig.net/commission5/news/news_1.htm)

**Mikael Lilje**

Chair, FIG Commission 5

February 2012

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**FIG Commission 6 – Engineering Surveys**

**Report of Activities 2011-2012**

**1. General**

Commission 6's work plan for 2011-2014 consists of 4 main mission statements, namely:

- promote the knowledge, skills and abilities of surveyors in civil and industrial works within the various professional fields of engineering
- support all development and multidisciplinary expertise leading to integrated survey methods, using various instruments (geodetic, geotechnic, fast motion) and sensors and combining geometry with all other data relevant to each engineering problem
- provide a forum for exchange of knowledge related to engineering analysis of survey data for the study of structures
- in addition to the links with related WGs of IAG, ISM and ISPRS, look for possible cooperation within these organisations and support the co-operation of civil, structural and mechanical engineers with our profession

During 2011, commission 6 was active within the FIG Working Week in Marrakech, participating in 11 technical sessions, Working Group 6.1's organised Deformation Monitoring Conference in Hong Kong, and involvement, participation and support of a further 5 international meetings in Novosibirsk, Ulaanbaatar, Melbourne, Croatia and Kazakhstan. Commission 6 is sub-divided into three working groups and a fourth jointly with commission 5. Their activities have been as follows:

**2. Working Groups**

**Working Group 6.1 – Deformation Measurements and Analysis**

Chair: Prof Wolfgang Niemeier.

Policy Issues

Deformation studies in Engineering Surveying are based on a broad knowledge of suitable sensors and their potential, modern data storage and communication solutions and advanced processing and analysis methods. Additionally a thorough understanding of the behaviour of monitoring objects (large scale structure or landslide effected area), is essential to set-up and operate an optimum monitoring system. Nowadays deformation tasks are more and more oriented towards real-time systems, which require automation of data capture and new concepts in data processing, analysis and interpretation.

Activities

The main activity carried out by Working Group 6.1 was the Deformation Monitoring Conference held in Hong Kong in November 2011. This was jointly organised by the IAG



and the Hong Kong Polytechnic University. This was the third such joint meeting, although the FIG's conferences go back to the early 1970s. Over 128 people from 27 countries attended, and presented 114 oral papers, in 26 technical sessions. Papers were presented on various practical and theoretical aspects of deformation monitoring.

In addition to this, WG6.1 was involved with three technical sessions at the FIG's Working Week in Marrakech, namely:

- TS01E - Deformation Monitoring
- TS02E - Land Deformation
- TS03E - Land Deformation and SAR

## **Working Group 6.2 – Engineering Surveys for Construction Works and Structural Engineering**

Chair: Joel van Cranenbroeck

### Policy Issues

- Promoting the use of adapted survey techniques in industry & engineering;
- Promoting a multidisciplinary collaboration between survey engineers, civil engineers, structural & mechanical engineers;
- Promoting the use of adapted survey techniques in the rail and railway building and operating sector;
- Promoting the understanding of fibre optic sensors, e.g. interferometric sensors, Brillouin and Raman scattering and Bragg gratings;
- Study the use of embedded sensor arrays and the role of advanced surveying techniques for structural monitoring;
- Creating an awareness of surveyors through a task force "Fibre optic sensors" of the rapidly emerging technology of fibre optic sensors as "non-geodetic" sensors to measure deformations (strain) and temperatures in civil engineering structures
- Promoting the use of Terrestrial based RF positioning system in engineering surveying;
- Creating an awareness of surveyors through a task force "Geotechnical sensors" as the trend today is going for an integration of those sensors in the geodetic deformation analysis.
- Creating an awareness of surveyors through a task force "Railways Trolley monitoring system.

### Activities

A Working Group 6.2's main activity focussed on the Working Week in Marrakech, and was involved with 5 technical sessions, namely:

- TS04E - Laser Scanners
- TS06E - Laser Scanning and Photogrammetry
- TS07E - Engineering Surveying
- TS08E - Engineering Surveying – Equipment
- TS09E - Engineering Surveying – Software

## **Working Group 6.3 – Machine Control and Guidance (MCG)**

Chair: Prof. Dr.-Ing. Werner Stempfhuber

### Policy Issues

The importance of real-time 3D-position sensors for navigation of machinery on construction sites of roads, tunnels, railways, and airports has increased over the last years and the market is still growing. Also in the field of agriculture GPS-based applications such as crop mapping and automatic steering are well introduced. The new FIG Working Group 6.5 will intensively deal with following topics:

- Kinematic Measurement and Sensor Technology (focus on L1 RTK Cost systems, adjustments of total station MCG requirements, additional Sensor like Slope Sensors, INS, Orientations Sensors, etc.),
- 3D-Applications (Agriculture, Construction, Special Applications e.g. UAVs),
- Multi-Sensor Systems and -platforms
- MCG Data Processing and Data Flow
- Control Process and Control Algorithm
- Standardization of Major Construction Projects
- The main goal of Working Group 6.3 is the interaction of research and industry activities.

### **3. Cooperation with other commissions and organisations**

#### **Cooperation with commissions**

Various co-organised events occurred in Marrakech, and in particular there is strong collaboration with commission 5. The following sessions at the FIG Working Week in Marrakech were held:

- TS04J - Geodetic Applications in Various Situations
- TS07F - Mobile and Asset Mapping Systems
- TS09A - Alternatives and Backups to GNSS

The joint Working Group 5.5 on Ubiquitous Positioning has had a number of activities, which are highlighted in Commission 5's report. Both Commission 5 and 6 were involved in supporting the following:

- Geo-Siberia (Novosibirsk, Siberia)
- Innovative Technologies for an Efficient Geospatial Management on Earth (Ulaanbaatar, Outer Mongolia)
- Workshop on Innovative Technologies for an Efficient Geospatial Management of Earth Resources, Kazakhstan

#### **Cooperation with sister organisations**

- INGENEO 2011, organised jointly with the Faculty of Civil Engineering, Slovak University of Technology
- UAV-g, ISPRS (Zurich, Switzerland)

## 4. Events

### 2012

Three main events will be the focus of Commission 6's activities in 2012:

- 3<sup>rd</sup> International Conference on Machine Control and Guidance, Organised by the University of Stuttgart and the University of Hohenheim, Germany, and co-sponsored by the FIG, 27-29 March 2012.
- Interexpo Geo-Siberia-2012. Organised by the Siberian State Academy of Geodesy, and co-sponsored by the FIG, 17-19 April 2012.
- FIG Working Week, Rome Italy, 6-10 May 2012.

Further to this, the opportunities for Commission 6 activities in China will be investigated, taking advantage of Prof Roberts' current presence at the University of Nottingham Ningbo China.

Further information on Commission 6's activities and contacts can be found on the Commission 6 web page, and most of the conference proceedings can also be found on the FIG's web page. [www.fig.net/commission6](http://www.fig.net/commission6)

**Professor Gethin Wyn Roberts FCInstCES**  
Chair, FIG Commission 6

February 2012

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**FIG Commission 7 – Cadastre and Land Management**

**Report of Activities 2011-2012**

**1. Mission**

- To provide a forum for enhancing and exchanging knowledge about cadastre, land administration and land management world wide;
- To encourage the development of pro poor land management and land administration;
- To promote the importance of development of sustainable land administration as infrastructure for sustainable development to underpin economic growth;
- To promote the application of innovative and advanced technology in cadastre, land administration;
- To promote awareness of the role of surveyors in land administration matters to the public and among stake holders.

**2. Priorities**

- Promote land rights infrastructures and good land governance to contribute to sustainable development
- Develop a better preparedness and response to natural disaster and climate change
- Develop a better cooperation between land surveyors to develop the capacity and improve governance in land administration
- Develop cadastral perspectives «Beyond Cadastre 2014»
- Co-operate with international organizations in land tenure issues

**3. Organization and Working Groups**

Commission Chair: Daniel Roberge  
Administration and Communications

Vice-Chair: Claire Galpin

Assistant and YSN Representative: Jean-François Beaupré

Vice-Chair and Chair WG 7.1: Christiaan Lemmen

Vice-Chairs and Co-Chairs WG 7.2: David Mitchell and Jaap Zevenbergen

Vice-Chair and Chair WG 7.3: Gerda Schennach

Vice-Chair and Chair WG 7.4: Richard Grover

Special advisors: Daniel Steudler and Ian Williamson

#### **4. Working group reports**

##### **Working Group 7.1 – Pro Poor Land Management**

Chair: Christiaan Lemmen

During the break out sessions of WG 7.1 at the Annual Meeting of Commission 7 in Innsbruck, Austria, the issue of Alienation of Large Tracts of Land to Foreign Countries has been discussed. In any case land professionals have the duty to inform politicians and to give opinions and statements about possible approaches from a professional viewpoint. They need to provide the data for decision making. This means that realistic solutions need to be proposed and land professionals need to be aware of the RRR (Rights, Restrictions and Responsibilities) toolbox.

In many developing countries, there are problems related to transfers of land to foreigners causing many conflicts. Communication between identified main stakeholders is needed. Also, land professionals can help with their know-how. A set of Guidelines/Principles would be most supportive, namely for our African Colleagues. The possible contents of an eventual Declaration in this regard have been discussed. The chair of the WG will contact FAO to avoid overlaps in activities (see FAO's Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests). Innovations and advanced technology in cadastre and land-administration have been further investigated: digital pen, point cadastre, satellite images, etc.

The Land Administration Domain Model is at stage of Final Draft International Standard at ISO. The last voting round in ISO TC/211 is expected around July 2012. The LADM includes the Social Tenure Domain Model (STDM). The STDM has been presented at several occasions in 2011. One presentation at the World Bank Conference on Land and Poverty has been prepared in co-operation with from UN Habitat. STDM is strongly supported by FIG and by UN organizations. The standard includes the administration of formal and customary rights integrated.

##### **Working Group 7.2 – Disaster management and Climate change?**

Co-Chairs: David Mitchell and Jaap Zevenbergen

The working group 7.2 has a joint project with the UN FAO that aims to develop online training materials on land tenure and Disaster Risk Management. For the first phase, which involves face-to-face training in the Pacific and also in the Caribbean, Daniel Roberge, Jaap Zevenbergen and David Mitchell participated to a meeting at FAO headquarters in Rome, last October, to discuss further implementation of the project and update the work plan.

UN FAO is funding and supporting the University of West Indies to run face-to-face training in the Caribbean in June. Funding has also been secured from AusAID under the Public Sector Linkages Program to undertake face-to-face training in July at the University of the South Pacific for 25 participants from Pacific Island Countries. Both these training activities will include the development of audiovisual materials that will form part of the online training resources developed in phase two of the project.

During the upcoming Working Week in Rome in May Commission 7 is working with UN FAO to run a workshop on Land Tenure and Disaster Risk Management at FAO headquarters. This will involve presentations from FAO and also from FIG and is designed for land and disaster management professionals.

Related to the Working Group 7.2 activities is the FIG Climate Change Task Force which will meet at the Rome Working Week. David Mitchell is a member of this Task Force.

### **Working Group 7.3 - Cadastral perspectives**

Chair: Gerda Schennach

Based on the results of the discussions and outcomes of activities since the establishment of the WG 7.3 in the year 2010 several actions following the Work plan have been agreed:

- The joint Seminar with FIG Commission 3 on 3D Cadastre, held in Delft in November 2011, has been attended by members of WG 7.3. Outcomes of the Seminar will be implemented into those activities of WG 7.3, which are related to this topic.
- Members of the WG 7.3 have agreed to produce a brochure defining visions and recommendations for cadastre in future by the end of term in 2014.
- WG 7.3 will also contribute to the update of 3D Cadastres questionnaire and collaborate in the improvement of the FIG Cadastral template, considering social media and investigating about state of play of e-government procedures for cadastre.

The highlight of the 2011 activities of WG 7.3 was the preparation and organisation of the very successful International Symposium “Cadastre 2.0” which took place immediately after the Annual Meeting 2011 of Commission 7 and which has attracted land professionals and opinion leaders from all parts of the world being involved into long-term visions of cadastre and land management systems.

The proceedings of the Symposium “Cadastre 2.0” have been edited. More information available on the FIG Commission 7 website.

As already defined in the Work Plan, WG 7.3 evaluated the outcome of the International Symposium “Cadastre 2.0” and decided upon topics to be included into further considerations. Topics to be addressed in the context of cadastre perspectives are:

- involvement of social media into cadastral procedures
- influence of IT on cadastre in general
- data capture besides existing models
- voluntary participation in e-government procedures
- social networks for environment data
- best practice models to be further developed
- multifunctional cadastre as a successor of multipurpose cadastre
- multidimensional cadastre, as a topic of joint interest with FIG Commission 3
- quality level, social media and web 2.0 applications
- technical framework to guarantee flexibility for future development

Finally, FIG WG 7.3 keeps and will further develop links with other FIG Commissions and with associations from outside FIG dealing with similar topics, namely PCC, UN-ECE/WPLA, GSDI, CLGE and others.

## **Working Group 7.4 – Cadastral and land management and reforms**

Chair: Richard Grover

The working group 7.4 has carried out a study of the management of state and public sector land across a number of countries. A paper by Richard Grover and Elikkos Ellia, entitled *The Management of State and Public Sector Land*, set out the initial conclusions from this study, was presented during the Working Week in Marrakech in May 2011. It drew on contributions from 26 members of Commission 7. The responses to this research came predominantly from Europe but identified a wide variety of issues in the management of state land. These vary between different parts of the world. Whereas in the high income economies of Western Europe, North America and Australasia, the main issue facing governments is how to improve the efficiency with which state assets are managed. By contrast in Africa the most pressing issue is probably the relationship between the state, which is often the legal owner of the land, and customary occupiers. The aim now of the research is to improve the international coverage of the data on state land management so that there is a greater representation of countries in Africa, Asia and Latin America and fuller understanding of the issues that they face.

The intention over the coming year is to move from research and analysis towards producing material to assist state land managers. The expected adoption of Voluntary Guidelines on Responsible Governance of Land Tenure by FAO provides a timely opportunity to do this since these are expected to contain some key principles about the management of state land and the relationships between the state and others with an interest in the land. It is recognised that the different problems faced in the various parts of the world make it desirable to place a regional emphasis on this guidance.

A seminar is being planned on State Land Management in Transitional countries for later this year with the intention to use the seminar as the basis from which to produce guidance material for surveyors and other professionals working with state land in these economies.

### **Administration and Communications**

Vice-Chair: Claire Galpin

Assistant: Jean-François Beaupré

Commission 7 wants to reach land professionals from under represented regions. In this aim, we have published last year 2 newsletters in three languages (English, Spanish and French). Also, we will try to have more frequent communications with our delegates, correspondents and collaborators to better inform them about our work, activities and publications.

Also, actions have been taken last year to make the Commission 7 website more user-friendly and accessible. However, reviews have been postponed after the changes to the FIG website scheduled for 2013. The opportunity to film presentations and make them available on the web is also envisaged.

New media allow a great accessibility. By exploiting internet possibilities, dissemination beyond the delegates circle is possible. By this way, it is easy to work around the accessibility issues related to the member status and to the travels.

Commission 7 is also now present on Facebook and LinkedIn. It is a very good way for delegates and colleagues to take part of our discussions, share information and be informed about our activities and publications. We will continue developing our presence in social media, namely to improve communication among members and democratize our work.

### **Young Surveyor Network's Representative**

Jean-François Beaupré

The idea of introducing a Young Surveyors representative among Commission 7 officers was proposed and put forward in Marrakech last May. His task is essentially to inform young professionals about Commission 7 works and activities and to identify the opportunities of exchange between the Commission 7 and the FIG Young Surveyor Network (YSN).

Young professionals bring a fresh look at the discussions, but the relevance of their intervention is dependent on their knowledge of the subjects and their issues. Their presence will ensure the Commission 7 continuity.

However, the presence of young professionals is difficult to achieve and sustain. Young professionals are confronted with problems of accessibility. Indeed, most young professionals have difficult access to the FIG activities related to national representation issues. For more, the complexity and the importance of the work of the Commission 7 is another factor impeding access to young professionals. Finally, their presence to the Commission 7 activities involves travelling which is a drag on the involvement of young professionals.

One of the responsibilities of the Young Surveyors representative is to make more accessible the Commission 7 to young professionals. In this perspective, the use of social Medias will be more developed in the future.

Finally, the First Young Surveyors Conference and the FIG Working Week in Rome in May 2012 will be opportunities to confirm the place of young professionals in the FIG Commissions.

## **5. Events**

### **Commission 7 Annual Meeting and International Symposium, Innsbruck, Austria, 26 Sept. – 1 Oct. 2011**

FIG Commission 7 held his annual meeting from Sept. 26th to 30th 2011 in the Innsbruck, Austria. This very successful event culminated with the high level International Symposium Cadastre 2.0. This meeting welcomed delegates from 30 countries. Without any doubt, issues related to land administration and cadastral perspectives are still of very high interest, namely in regard of citizens' involvement, crowd sourcing and social medias and to completion of cadastre and land registration in the developing world, this concerns about 75% of the 6 billion or so spatial units in use by humans on the planet.

In brief:

- The future of cadastre is high on the agenda of the FIG Commission 7.



- Many discussions about one hand the need for an AAA Cadastre (Accurate, Authoritative, and Assured) for the some advanced countries and on the other hand, the immediate need for low cost solutions to meet the challenge of population in developing countries. There are different opinions and solutions.
- Surveyor's role and contribution to land administration is under change from field surveys to information and quality management of spatial data and being supportive and leading in developments of national spatial data infrastructures with a broad application range. This can only be done in close co-operation with professionals from other disciplines. Reliability of data is the key contribution of our profession.
- There is an urgent need for knowledge and information on the latest developments in cadastre and land registry in many countries.

For more details: <https://sites.google.com/site/figsymposium2011/home-1>

### **Next annual meeting**

The 2012 FIG Commission 7 Annual meeting will be in Argentina, just after the FIG Regional Conference in Uruguay end of November.

Daniel Roberge  
Chair, FIG Commission 7

22 February 2012

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**FIG Commission 8 – Spatial Planning and Development**

**Report of Activities 2011-2012**

**1. General**

FIG Commission 8 Work Plan 2011-2014 embraces the work of previous Commission 8 work plans and seeks to meet the expectations of the FIG Council Work Plan and to meet the needs of other FIG Stakeholders.

In the period of 2011–2014 the focus of Commission 8 will be:

- On all parties involved in environmentally sustainable planning and implementation;
- To develop guidelines, methods, governances and good practice at the global level;
- To reflect holistic skills in planning and development of the built environment, including informal settlements wherever they are to be found;
- To emphasise that we, as surveyors and built environment experts have a leadership role in the collective responsibility for well-functioning mega cities; including integrated disaster risk management as a discipline
- The Commission recognises the three pillars of ESE, i.e. balancing the competing development demands associated with economic, social and environmental aspirations.
- Integrating activities of FIG for adoption of a holistic approach to problem solving in the built environment be it rural, peri-urban or urban;
- Focussing on surveyors' role in the implementation of plans and the interaction between planning and real estate economics. Analyze success stories like Sao Paulo's, Buenos Aires's, New York City's tackling of informal settlements and Norway's prevention of the same. Customize and domesticate these for areas where they are required

**2. Activities in 2011**

**FIG Working Week, Marrakech, Morocco**

Commission 8 was fully involved and participated in as many as 12 technical sessions with a total of 65 papers submitted, during the conference as follows

- TS01D – Bridging the Rural/Urban Divide – 5 papers submitted
- TS03B – Master Planning and Structural Development – 6 papers submitted
- TS03D – Public Private Partnerships in Planning and Land Development I – 5 papers
- TS03H – Development of Urban Infrastructures – 5 papers
- TS03J – Land Administration Issues in Africa with Commission 7 –
- TS04C – Spatial Information Management and Planning – 6 papers
- TS05A – Planning Policies and Environmental Improvement – 7 papers
- TS06A = Planning and Managing Urbanization I – 6 papers
- TS06D – Slums Issues, Spatial Development Planning and Governance – 6 papers

- TS07D – Planning and Managing Urbanization II – 4 papers
- TS08D – Regional and Local Structure Planning - 5 papers
- TS09D – PPP in Planning and Land Development II – 4 papers

As a result of the conference a Government in West Africa, with a population of 150 million people has expressed significant interest in adopting the technology and methodology of water treatment, presented by a participant from Italy. We feel proud that our knowledge and expertise is recognized and could be adopted in solving a real problem, in this a case a Millennium Development Goal challenge.

### **3. Working Groups and Organization**

#### **Working Group 8.1 – Planning Strategy for Urban Development and Regeneration**

Chair: Frank Friesecke, Germany

The Working group is focussing on planning urban development and renewal and their economic and social impacts. It also works to recognise that in partnerships and urbanization process there is a role for surveyors in moving towards sustainability in urban development/community living for people and places.

In particular it aims to identify a planning framework, which enables public-private partnership (PPP) to deliver tools for urbanization and investigate key roles for surveyors within urban regeneration.

The Working group report on results of its work at the Working Week in Rome.

#### **Working Group 8.2 – Informal Settlements Issues in Spatial Development Planning and Governance**

Chair: Eugene Silayo, Tanzania

The Working group investigates sustainability within informal settlement in Africa. It aims to contribute to building the knowledge base from which the surveyors can provide expert advice for the built environment. Further it is planning to develop FIG-UN recommendation for best practices in governance issues for informal settlements.

The Working Group plans to organise a round table session at FIG Working Week 2012 and prepare final report and recommendation for significantly better practice to be ready for Abuja 2013. It also intends to organize an international conference on Human Settlements in 2013

#### **Working Group 8.3 – Re-engineering of Mega Cities**

Chair: Enrico Rispoli, Italy

The Working Group intends to provide opportunities for surveyors to play a key role in solving problems and implementing infrastructure in environmentally sustainable projects/developments in mega cities (large sprawling habitats with two distinct types being economically wealthy and dramatically poor). It will study the World City Report for identifying opportunities for surveyors to be contributors towards improving infrastructure and sustenance of the environment; To create methods of identifying causes of infrastructure damage within mega cities; Identify the planning framework and recommend changes which will enable; and Implementation of Environmentally Sustainable Development; as well as to develop a policy framework to enable sustainable cities.

## **Working Group 8.4 – Land Policies; Land Use Planning Control and Implementation**

Chair: Ibrahim Mwathane, Kenya.

This Working Group is working to increase surveyors' contribution to formulation and implementation of land policies in the world in general and in Africa in particular; land use planning and better integrate surveyors' expertise in implementation of these policies, plans, implementation processes and agreements and real estate management. Further it works to increase surveyors' and planners' awareness on sustainable planning and implementation of plans based on modern knowledge, technical solutions, rules and legislation, traditions, equity and development and implementation processes in different countries.

After promulgation of the Constitution of Kenya in 2010 and the passing of the National Land Policy the previous year, Kenya is in the process of passing three laws to replace the more 25 outdated and potentially confusing laws related to land. These are the Land Bill, the National Land Commission Bill and the Registration of Land Bill. The ISK will develop a model that will be adopted for other countries facing similar land administration and land governance challenges.

### **Wafula Nabutola**

Chair, FIG Commission 8

February 2012

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**FIG Commission 9 – Valuation and the Management of Real Estate**

**Report of Activities 2011-2012**

***“Managing Value for our Future”***

**1. General**

**Terms of Reference**

The terms of reference of Commission 9 are:

- Valuation, being the estimating of value of all kinds of real estate by valuers and appraisers for various purposes, including market value, property taxation, eminent domain, investment, redevelopment and refurbishment, and for both public and private purposes;
- Investment in real estate, investment planning and real estate investment vehicles;
- Real estate finance, development finance, land use feasibility planning;
- Real estate economics, markets and market analysis;
- Management of all kinds of real estate at all levels;
- Asset management for corporate private and public sectors;
- Management of the use of buildings to ensure optimum benefits to occupiers.

**Mission Statement**

Accordingly, the mission of Commission 9 is:

- To advance the professional practice of valuers and property managers working in all areas of real estate valuation and management;
- To research and publish “best practice” for the benefit of valuers and property managers in different jurisdictions and sectors of the industry, for the benefit of the surveying community and to improve our services to the wider public;
- To facilitate and generate the exchange of information, knowledge and experience between surveyors for the benefit of the profession, our clients and the wider public;
- To publicise and promote the work of surveyors to the public, particularly to young people, governments and non-government organisations and to enhance their perception of the value of surveyors and the services they can deliver, especially in support of the global sustainability agenda and the Millennium Development Goals;
- To co-operate and work with fellow surveyors in all specialisms of the profession to further the objectives of FIG.

## Themes

The work plan focuses on three highly relevant themes.

1. Property taxation which recognises the social and economic value of real estate and provides revenue (normally) to fund public services, for the benefits of the wider community.
2. Large scale land acquisition for agriculture, which follows on from the highly successful previous four years work on compulsory purchase and compensation, and is investigating the issue of land grab – a highly topical and controversial issue causing international concern, as well as severe individual and social hardship in relevant communities. It is anticipated that this work should link into the interests of the wider international community, thereby providing opportunities for inter-organisational collaboration; and finally,
3. The management of public property assets in developing countries with a view to presenting guidelines on best practice for the public sector management community.

## 2. Working groups

### Working Group 9.1 – Property Tax

#### Policy issues

Property taxation is ubiquitous – there are very few countries which do not impose some kind of tax specifically on land and / or buildings. It is usual for such a tax to be levied, collected and spent by local authorities, even if the rate of tax is fixed by a higher tier of government, but this is not always the case.

The working group comprises three study groups, the work plans of which are briefly outlined below.

#### Study Group 9.1.1 – Tax Bases

##### Policy issues

The Study group is focused on identifying issues of tax base administration and assessment; justifiability, particularly to the taxpaying community; sustainability and yield; as well as the suitability of the tax base for other taxation purposes e.g. transfer taxes. Included in its remit is mass appraisal and the inevitable trade-off between efficiency and justice. Hence, study group 9.1.1 works in close co-operation with study group 9.1.2.

In addition, the group is considering the use of land taxation as a tool for land use policy and settlement policy. It is required to support land use planning and ecological targets, and whether there is any trade off between the targets to be taken into account.

Issues resulting from the different stages of institutional development and governance and different cultures etc. and the extent to which they should be taken into account are also relevant.

#### Chair:

Dr. Fabian Thiel, Cambodia, e-mail: [Fabian.thiel@cimonline.de](mailto:Fabian.thiel@cimonline.de)

Commission 9 is hugely grateful to Prof. Dr. Dirk Löhrr whose idea this is and who developed its original work plan, but is now unable to lead the group. His co-chair, Dr Thiel, has taken over the Chair of the group and it is anticipated that a new co-Chair will be recruited in Rome to support this group.

Co-Chair: To be appointed.

#### Specific projects and workshops:

These are being developed further in the light of the recent change of Study Group Chair.

### **Study Group 9.1.2 – Mass Appraisal Systems**

#### Policy issues:

The use of mass appraisals involves a degree of technical skill and knowledge which is beyond the understanding of the average taxpayer and which may involve a trade-off between efficiency and ‘justice’. This therefore imposes an additional responsibility on the valuation profession to ensure that the highest degrees of equity and ‘fairness’ are achieved within the limitations of the technology, and that acceptable levels of explanation and reassurance are available to all parties, particularly taxpayers.

This working group is investigating the development of mass appraisal techniques to support property tax assessments, including the appropriateness original data sources (property characteristics, sales, rents, yields, costs asking prices, or valuations) and of indices to monitor the property market, which will be particularly useful during the current economic climate. It is working in close co-operation with study group 9.1.1.

#### Chair

Varnavas Pashoulis, Cyprus, e-mail: [var@cytanet.com.cy](mailto:var@cytanet.com.cy)

#### Workshops/Seminars:

Seminar in discussion for 2012, to be held in Cyprus.

### **Study Group 9.1.3 – Successful and Efficient Taxation Systems for Emerging Economies**

#### Policy issues:

- This working party will investigate property tax systems in emerging economies focusing on a case study approach, seeking examples of best practice.
- Regions of interest for the sourcing of case studies are likely to be South America, and potentially Africa and Central and Eastern Europe, depending on interest and data availability.

#### Chair:

Steven Nystrom, USA, e-mail: [nystrom@tampabay.rr.com](mailto:nystrom@tampabay.rr.com)

#### Workshops/Seminars:

- To be decided.

### **Working Group 9.2 – Large Scale Land Acquisition for Agriculture**

#### Policy issues:

- This working party builds on the earlier of 2007-2010 Working Group 9.1 (Compulsory Purchase and Compensation in Land Acquisition and Takings, led by Professor Kauko Viitanen), which has resulted in the Hanoi Declaration (FIG Publication 51) and the Compulsory Purchase and Compensation. Recommendations for Good Practice (FIG Publication 54).
- There remains an appetite within the Commission 9 delegations to continue FIG work in this area and, of increasing international concern is the related topic of land grab, being the acquisition by foreign corporates of productive farmland from indigenous land holders. Certain international organizations has expressed concern about the possibility of exploitation.

#### Chair:

Dr. Ibimina Kakulu, Nigeria / United Kingdom, e-mail: [ibkakulu@hotmail.com](mailto:ibkakulu@hotmail.com)

#### Workshops/Seminars

In discussion.

### **Working Group 9.3 – Management of Public Property Assets in Developing Countries**

#### Policy issues:

This working group will investigate fixed public property assets within developing countries with a view to establishing how such real estate assets are managed and to develop “best practice” guidance within such environments. This working group will focus on management issues, rather than legal frameworks (which vary between countries); and it will not cover the technical, computer tools involved in management.

The programme will cover three components:

- documentation, defined as the permanent process of collecting, preparing, evaluating, and updating of the necessary information. The working group will seek to define a generalised and simplified data structure for fixed public assets in combination with recommendations for a professional inventory system;
- administration, to define the needs, duties and responsibilities of a property management unit in public administration (principles, tasks, organisation, equipment, personnel etc.). This will reflect on the clients of property management and their needs; the organisation of processes; and the definition of the interfaces to the clients and other processes; and
- operation of public properties. Recognising that the operational costs during the life cycle of real estate are higher than the original construction costs, the working group will consider the following issues:
  - the principles/responsibilities of public/corporate real estate management;
  - optimising the use of public properties;
  - optimise/reduce the operational costs (e.g. cleaning, maintenance, rebuilding, energy, waste, insurance, security catering);
  - optimisation of occupancy;



- development/redevelopment of public properties;
- increasing economic revenues;
- capacity building of staff;
- cost transparency; and
- the creation of a consistent documentation system for the operating processes.

Members of this group should ideally consist of those experienced in property asset management from both developed and developing countries. They should be willing to participate and contribute to the group's programme based on their experiences in property asset management.

This theme is strongly linked with Working Group 7.4 on State/Public land and liaison between the two Groups will continue.

#### Chair

Not yet identified.

Commission 9 is enormously grateful to Professor h. c. Dr.-Ing Ingolf Burstedde whose idea this is and who developed its original work plan, but is now unable to lead the group. It is anticipated that a new Working Group Chair will be recruited in Rome to head this group.

### **3. Co-operation with United Nation Organisations, Sister Associations and other Partners**

Commission 9 is co-operating closely with FAO on the planned FIG/FAO sessions in Rome, specifically on "Implementing Land and Property Taxes", and in bringing to the debate issues from the study groups in Working Group 9.1.

#### **Dr. Frances Plimmer**

Chair; FIG Commission 9

E-mail: f.plimmer@btinternet.com

#### **Dr. W. J. McCluskey**

Vice Chair, Administration and Communication

E-mail: wj.mccluskey@ulster.ac.uk

February 2012

Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy

**FIG Commission 10 – Construction Economics and Management**

**Report of Activities 2011-2012**

**1. General**

In the terms of reference Commission 10 will focus on:

- Construction economics including Quantity Surveying, Building Surveying, Cost Engineering and Management, Estimating and Tendering (Bidding)
- Commercial management including Procurement, Risk Management and Contract Law for construction and non construction activity
- Construction Law and Negotiation
- Project and programme management including Planning / Scheduling

The main idea for Commission 10 for the new period 2011 – 2014 is to bring the balance into the Commission 10 activity through the persons of four Chairs of four Working Groups:

- **Geographical:** W. + E. Europe / Africa / Asia / Australia / S. + N. America
- **Development:** Developed Countries / Developing Countries
- **Gender + Age:** Male / Female and Youths / Adults
- **Environmental:** Academic / Government / Private

**2. Activities in 2011**

**Working Week, Morocco, Marrakech, May 2011**

The technical programme with two technical sessions for the Working Week was prepared with support from the FIG Office.

At the Commission Annual Meeting on 18<sup>th</sup> May, 2011 the Work Plan was introduced to the supporters of Commission 10. The introduction was followed by the interesting discussion about Project management, Green Management and Sustainable Development. The annual meeting was visited by the Vice President Rudolf Staiger.

The two technical sessions TS04F Project and Organisational Management and TS06F Construction and Sustainable Development brought interesting presentations of the papers followed by the live discussion to the topics. The reaction of the auditorium was very good. The Commission Dinner took part in the LIBZAR Restaurant and it was co-organised with the help of two Moroccan surveyors. The atmosphere was very relaxed; we spent a very pleasant evening among FIG friends with the local food and drinks.

Memorandum of Understanding between the Pacific Association of Quantity Surveyors (PAQS, [www.paqs.net](http://www.paqs.net)) and FIG was accepted by the General Assembly. The Chair of Working Group 10.4, Mr. Hock Hai Kwan, was delegated to cooperate with this association.

### **The 15th PAQS Congress, Sri Lanka, July 2011**

The 15th PAQS Congress and Board meeting was successfully held in Sri Lanka from 22 to 27 July 2011 hosted by the Institute of Quantity Surveyors Sri Lanka (IQSSL) with the congress theme, Cost Management in a World Emerging from Adversity. Kindly view the website <http://www.paqs2011.lk>.

### **11<sup>th</sup> South East Asian Survey Congress and 13<sup>th</sup> International Surveyors' Congress, Kuala Lumpur, Malaysia, from 22<sup>th</sup> – 24<sup>th</sup> June, 2011**

Commission 10 Chair 10 was a member of the FIG delegation to these congresses. The members were Mr. CheeHai Teo, President of FIG, and Mr. Michael Sutherland, Chair of FIG Com 4 (see [http://www.fig.net/news/news\\_2011/malaysia\\_june\\_2011.htm](http://www.fig.net/news/news_2011/malaysia_june_2011.htm)). Robert Šinkner was invited as an invited speaker for the Plenary Session 2 with the paper Sustainable development of using maps in the CR. For the Technical Session TS2E Creativity and Innovation in Surveying was prepared the paper Project of Digitalization of the Cadastral Maps in the Czech Republic. Both the papers were followed by the discussion about these problems. We had inspirational meetings with local surveyors and with Chair of Working Group 10.4, Mr. Hock Hai Kwan.

### **5<sup>th</sup> General Assembly of AAQS, Mombasa, Kenya, 26 August, 2011**

At a built environment congress in 1995 in Harare, Zimbabwe some of the quantity surveying delegates expressed interest in establishing an association for quantity surveyors practising in Africa. In 1999 at Sun City in South Africa the first General Assembly of the Africa Association of Quantity Surveyors ([www.aaqs.org](http://www.aaqs.org)) ratified a constitution with by-laws and the first council of the AAQS was elected with Mr Len Harris from South Africa the first president. The Prime objective of AAQS is to unite national bodies of quantity surveyors on the African continent on a democratic basis and to foster co-operative, intellectual, cultural, educational and scientific ties among such bodies.

The 5<sup>th</sup> General Assembly of AAQS was held on 26<sup>th</sup> August, 2011 in Mombasa, Kenya, and Mr. Michael K. Frimpong, the Chair of Working Group 10.3, was elected as a President of this Association. This will help the cooperation between AAQS and Com 10 and the FIG as a whole.

### **Cooperation with ICEC - the International Cost Engineering Council ([www.icoste.org](http://www.icoste.org))**

The International Cost Engineering Council (ICEC) is a non-political and non-profit organization which was founded in 1976 with the object of promoting cooperation between national and multinational cost engineering, quantity surveying and project management organizations worldwide for their mutual wellbeing and that of their individual members. ICEC office holders are members of an ICEC member association and are elected for a two year period. The term of the current officers will end in June 2012. The current ICEC Chair is

Murtala Oladapo from Nigeria. Mr. Murtala Oladapo was invited to the Working Week in Marrakech by the FIG Director. He supposed to come, but unfortunately his programme changed this plan.

### **3. Working Groups**

Every Chair of Working Group will prepare a report at FIG Working Week outlining activity and progress.

- Working Group 10.1 - Construction Economics – Chair: Ms Sara J. Wilkinson, Australia
- Working Group 10.2 - Commercial Management – Chair: Ms Tzena Wong, Hong Kong SAR, China
- Working Group 10.3 - Project and Programme Management – Chair: Mr. Michael K. Frimpong, Ghana
- Working Group 10.4 – Green Management – Chair: Mr. Hock Hai Kwan, Malaysia

### **4. Events in 2011**

- Full participation at FIG Working Weeks: 2012 Rome, Italy, 2013 Abuja, Nigeria, 2014 Kuala Lumpur, Malaysia
- ICEC 8<sup>th</sup> World Congress, Durban, KwaZulu-Natal Province, South Africa, 23<sup>th</sup> – 27<sup>th</sup> June 2012. The congress is hosted by the Association of South African Quantity Surveyors (ASAQS) on behalf of the International Cost Engineering Council (ICEC) and is endorsed by the Africa Association of Quantity Surveyors (AAQS)
- 16<sup>th</sup> PAQS International Congress, Brunei Darussalam, 7<sup>th</sup> – 10<sup>th</sup> July, 2012 (The theme of the congress is Innovation and Sustainability: Challenges and Opportunities)
- 8<sup>th</sup> FIG Regional Conference in Montevideo, Uruguay (26<sup>th</sup> – 29<sup>th</sup> November, 2012)
- Annual Meeting of FIG Commission 10 – Prague, Czech Republic, 2013

An “unofficial photo page” of FIG Commission 10 you can find at the address <http://figcom10.rajce.idnes.cz>

**Ing. Robert Šinkner, MBA**  
Chair, FIG Commission 10

4 March 2012

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**FIG Standards Network**

**Report to FIG General Assembly 2012**

The Standards Network was formed in 2002. It works within Commission 1 and consists of representatives from each of FIG's Commissions.

**1. Terms of reference**

The terms of reference of the Network are set out in the FIG Guide on Standardisation and are as follows:

- Building and maintaining relations with the secretariats of standardisation bodies,
- Proposing priorities on FIG's standardisation activities, including advising the Council on priorities for spending,
- Setting up necessary Liaison relationships with standardisation bodies,
- Ensuring that lead contacts to Technical Committees etc are in place,
- Maintaining an information flow on standardisation to FIG members, including through the FIG website, and more directly to relevant Commission Officers,
- Maintaining this Guide, and related material on the FIG website,
- Working with other NGOs, within the framework of the MOUs signed by the Council,
- Advising FIG's officers and members on standardisation activities as necessary.

**2. Work since the 2011 Working Week**

The Network met at the 2011 Working Week in Marrakesh and members have corresponded by email since then. Key activities undertaken by Network members and other colleagues over the past year include:

- **Maintaining a list of commission topics relevant to standardisation** – this “Standards Template” is under revision and will be published presently. FIG commission chairs are reminded that this is one of the Standards Network's key tools. Regular updates are one of the main contributions the FIG Commissions can make to the Network.
- **Staying involved with ISO/TC 211 standardisation activities** – Iain Greenway, the lead liaison from FIG to ISO/TC 211. Key items are:
  - An important initiative is underway to submit to ISO a proposal for a standard related to ITRS. The French standardization agency AFNOR has established at national level an ad hoc committee chaired by Claude Boucher for this purpose. After several discussions, the committee has decided:

- That France propose to ISO to establish an ad hoc structure dealing with standardization on geodetic references;
- That this structure should be established within the ISO TC 211 on Geospatial Information;
- That this structure should take care of the establishment of the standard related to ITRS as one of its future work items.

The first step proposed by France is to undertake a preliminary work (stage 0) on Geodetic references within ISO TC211. The purpose of this work will be to re-assess at international level and within the frame of ISO TC211 the initial work done by France through the AFNOR committee. A strong liaison with FIG, as well as IAG and other international organizations is an important part of this stage 0 work.

- Another important standard under development under the supervision of ISO TC211 is *Geographic information – Calibration and validation of remote sensing imagery sensors – Part 1: Optical sensors*:

“Imaging sensors are one of the major data sources for geographic information. The image data capture spatial and spectral measurements and are applied for numerous applications ranging from road/town planning to geological mapping. Typical spatial outcomes of the production process are a vector maps, Digital Elevation Models, and 3-dimensional city models. There are typically 2 streams of spectral analysis data, that is, the statistical method, which includes image segmentation and the physics-based method which relies on characterisation of specific spectral absorption features.

In each of the cases the quality of the end products fully depends on the quality of the measuring instruments that has originally sensed the data. The quality of measuring instruments is determined and documented by calibration.”

- L. Hothem another key liason with ISO/TC 211 has reported that: “Finally after many years, we believe we are finally at a critical milestone in establishing a registry for geodetic parameters. It is long overdue. ISO/TC211 Technical Specification 19127 for Geodetic Codes and Parameters was adopted in 2002. At the recent mid-March meeting of the CB in Ottawa, Canada, we received a demonstration of a registry management software package (called RegManTool) that we believe meets the requirements for the establishment, management and maintenance of an up-to-date international registry for geodetic codes and parameters. At the Delft meetings of the CB, we will review further the operations of RegManTool with sample data in coordination with a representative from Standards Norway. Standards Norway will host the registry.”

This work is also of considerable interest for FIG Commission 7.

- **Progress of ISO 19152 on the Land Administration Domain Model (LADM)** – this work grew out of the Commission 7 work on the Core Cadastral Domain Model and was accepted into the ISO/TC 211 work programme in 2008. Christiaan Lemmen reports:

“The Land Administration Domain Model (LADM) is in its final stage: 'Final Draft International Standard'. The results of the last voting round are expected in July 2012.

The Final Draft International Standard (FDIS) covers basic information related to components of land administration (including water and elements above and below the earth surface). It includes agreements on data about administrative and spatial units, land rights in a broad sense and source documents (e.g. deeds or surveys). The rights may include real and personal, informal rights as well as indigenous, customary and informal rights. All types of restrictions and responsibilities can be represented. Overlapping claims to land may be included. The draft standard can be extended and adapted to local situations; in this way all people land relationships may be represented. This can be supportive in the development of software applications built on database technology.

The FAO Solutions for Open Land Administration (SOLA) project will promote affordable IT-systems that enable improvements in transparency and equity of governance. Started in June 2010, SOLA is a three year trust fund project, funded by the Government of Finland. Through the development and re-use of open source software, it aims to make computerised cadastre and registration systems more affordable and more sustainable in developing countries. The LADM is being used as input for SOLA developments; see [www.flossola.org](http://www.flossola.org). For the Social Tenure Domain Model software has been developed, a pilot is ongoing in Uganda.

GIS providers are interested in the LADM developments for implementation in their solutions.”

- **Staying involved with ISO/TC 172 SC6 work on survey instrument standards** – Hans Heister leads this work for FIG. Several standards under Technical Committee ISO/TC 172/SC 6 "Geodetic and surveying instruments" standards grouping are presently under discussion and/or revision:
  - Optics and optical instruments -- Field procedures for testing geodetic and surveying instruments -- Part 4: Electro-optical distance meters (EDM measurements to reflectors)
  - Optics and optical instruments -- Field procedures for testing geodetic and surveying instruments -- Part 5: Total stations
  - Optics and optical instruments -- Field procedures for testing geodetic and surveying instruments -- Part 6: Rotating lasers
  - Optics and optical instruments -- Ancillary devices for geodetic instruments -- Part 1: Invar levelling staffs.
- **Standards issues related to FIG Commission 2.** People working in different countries have different competencies. One key issue is to establish a database on

different systems and competencies. Progress towards two of the standards is being made.

- **Standards issues related to FIG Commission 4.** The International Board (IHO, FIG and ICA) has published guidelines for establishing individual recognition for hydrographic surveyors, at both professional and technical levels, taking into account education and experience.
- **Standards issues related to FIG Commission 5.** At the meeting in Marrakech it was decided that FIG publication No. 9 Recommended Procedures for Routine Checks of Electro-Optical Distance Meters should be revised with additions for recommendations for hand held distance-meters and reflector-less instruments.
- **Standards issues related to FIG Commission 6.** Commission 6 is interested in the ISO TC 172 and the ISO 17123 series of standards related to survey instruments. There is interest in helping to define standards in deformation measurement and monitoring and data analysis.
- **Standards issues related to FIG Commission 9.** One item of interest is documents and valuations of properties in jurisdictions where there are no existing property markets and systems in place.
- **Communication issues.** It was proposed in the Standards Network meeting in Marrakesh that the Standards Template be sent out to the National Professional bodies. The FIG Commissions don't necessarily report their Standards activities to them. This would provide more interaction. It was proposed that the National Professional bodies are far more competent to evaluate the importance of standards to their members. Informing them of the FIG Standards Network work items would also ensure continuity and higher visibility.

The Network plans to meet again in Rome and consider its work for the coming year.

**David Martin**

23 February 2012



**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**FIG Young Surveyors Network  
Report of Activities 2011-2012**

**1. General**

The FIG Young Surveyors Network Work Plan 2011 – 2014 supports the FIG Council Work Plan 2011 – 2014 in its aim of *Engaging the Challenge: Enhancing the Relevance*.

The mission of the YSN is two-fold:

- To promote international opportunities and experiences for young surveyors.
- To improve the global image of surveying

These are broad-sweeping aims, but they emphasise both an internal focus for the network (the skills of young surveyors, enabled through FIG) and an external focus (being the image and role of surveying). These are intrinsically tied together.

The 2011-2014 goals for the YSN are thus to represent, provide awareness and support via:

- Representing young surveyor interests within FIG
- Improving young surveyor awareness of and involvement in FIG
- Supporting local, regional, national and international networks of young surveyors by providing a forum for sharing knowledge, skills and experience.

**2. The YSN Committee**

The FIG YSN is open to all to join, contribute to and be a part of. The activities of the YSN are, however, focussed on 'young surveyors' who meet the following criteria:

- 35 years of age or under; and/or
- surveyors who have graduated from a bachelor or masters degree within the last 10 years

The YSN Committee consists of a core group of individuals who have been nominated by their FIG membership body and who contribute enormously to the running of the YSN. For 2011 the committee consisted of:

- Kate Fairlie (Chair, Australia)
- Chris McAlister (Vice-Chair, Australia)
- Cemal Ozgür Kivilcim (Vice-Chair, Turkey)
- Jens Andre Paffenholz (Treasurer, Germany)
- Eva-Maria Unger (Secretary, Austria)
- Daniel Helmricks (US Representative)
- Kenny Chan (Hong Kong Representative)
- Paola Ronzino and Andrea Massaro (Italian Representatives)
- Benedicta Ugwulebo (Nigerian Representative)

Many of these committee members will remain so for the entire period of 2011-2014, but not all, given the nature and constant change within young surveyors as a category.

### **3. YSN Achievements**

The 2011 achievements of the young surveyors will be discussed in the context of the YSN aims.

#### **3.1 Representing young surveyor interests within the FIG**

##### ***Engagement with the UN-Habitat Global Land Tools Network***

The YSN participated in and presented at the UN-Habitat GLTN workshop to *Explore the Youth Dimensions of the Global Land Tool Agenda*, held in As, Norway from 24-25 January 2012. Enabling youth engagement and involvement in land policies is an emerging focus of the FIG YSN, and young surveyors are particularly enabled to contribute to such an initiative. This work is in its infancy: following the workshop a final scoping study is due out in March 2012. The YSN Committee will be identifying further opportunities during its 2011-2014 term – immediate actions include following up with workshop attendees and including GLTN in the Young Surveyors Conference.

##### **African Task Force meeting**

The 2012 African Task Force theme was young surveyors and women – particular, promoting the *recruitment and involvement of young surveyors and women - concentrating on ways and means to breaking down entry barriers for young people and women*. The YSN actively supported this ATF event, sourcing funding for young African surveyor attendees, and contributing to the running of and follow up to this event. Attendance at this event greatly increased the network and engagement of young African surveyors, with new active young surveyors engaging with the network from Botswana, South Africa, Kenya and Ethiopia.

The FIG YSN hopes to build on achievements so far in Africa by

- having a representative attend the First Edition of the Yaounde International Conference and Surveying Week in Cameroon; and
- supporting a 2012 Nigerian Young Surveyor conference to precede the 2013 FIG Working Week

Other activities will continue to be scoped to best engage young African surveyors.

#### **3.2 Improving young surveyor awareness of and involvement in FIG**

##### ***4-5th May 2012 First FIG Young Surveyors Conference***

This event will host up to 150 young surveyors for two days of paper presentations and workshops relating to a surveying 'vision for the future". The will be held over the two days preceding the full FIG Working Week. Reduced registration fees for Young Surveyors Conference attendees have been realised, and the event should provide a strong and

confidence-building introduction for young surveyors to engage fully in the succeeding Working Week.

#### ***Four FIG Foundation Young Surveyor Fellowships***

Were additionally created to facilitate young surveyors from low- and middle- income countries to attend the FIG Young Surveyors Conference and Working Week. The FIG Foundation is an ongoing and substantial supporter of the FIG YSN, and has fully funded these Fellowships.

#### ***Six sponsored positions to the FIG African Task Force and Global Land Tools Network workshops, held in Cape Town, South Africa 28<sup>th</sup> Nov – 3<sup>rd</sup> December***

Together with the FIG Foundation, 5 young African surveyors (from Kenya, Tanzania, Ethiopia, Botswana, Nigeria and Kenya) were sponsored to attend. This provided a significant opportunity to broaden young surveyor networks in the African region, and to ensure the messages from the workshop were spread as widely as possible. Of those attending, at least two will be attending the 2012 FIG Working Week, and 5 applied for the FIG Foundation Young Surveyor Fellowship, demonstrating the continued engagement of those sponsored within the FIG. Each sponsored participant has completed a report for the event, and these will be posted on the FIG YSN website. Further discussions have ensued on the YSN Facebook page.

### **3.3 Supporting local, regional, national and international networks of young surveyors by providing a forum for sharing knowledge, skills and experience**

*Next Young Surveyor Newsletter to be published in March 2012* (previous newsletter available at [www.fig.net/ys](http://www.fig.net/ys)). These newsletters provide young surveyor profiles, website information, contact information, information on the FIG Commissions and reports from FIG and local/regional events internationally. The latest newsletter is the most professional yet!

*YSN Facebook page* (FIG Young Surveyors) is starting to see more regular posting, and now has over 400 members.

*YSN LinkedIn page* membership is rapidly increasing and has now reached over 300 members. This page has traditionally not been used as much as the Facebook page, but there are opportunities in the future to promote job vacancies and university scholarships via this forum.

#### ***Wider engagement with other young surveyor bodies***

2012 has seen much greater outreach by the YSN, with lines of communication set up with:

- ICES – Chartered Institution of Civil Engineering Surveyors
- IGSO – International Geodetic Students Organisation
- YGNSS – Space Generation Advisory Council, Youth for Global Navigation Satellite Systems
- ISPRS – International Society of Photogrammetry and Remote Sensing

In the future the YSN hopes to make these communication ties more formal, to ensure ease of cross communication, and continue to source new youth groups to link with.

Kate Fairlie  
Chair, FIG Young Surveyors Network  
[www.fig.net/ys/](http://www.fig.net/ys/)

February 2012

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**Task Force on Spatially Enabled Society**

**Interim Report of Activities 2012**

The Task Force on “Spatially Enabled Society” was established by the FIG Council and endorsed by the General Assembly in May 2009 in Eilat. The aim of the Task Force – in cooperation with other global organisations – is to focus on the term of “Spatially-Enabled Societies” (SES) and the issues linked with it, to come up with a definition of SES, and to support the surveying profession to become aware of the issues in order to provide the appropriate services.

In agreement with both the outgoing and incoming Presidents the Task Force continued its activities until 2012, mainly because the topic is very relevant and FIG wants to stay active and visible in this field.

The most relevant activities involved:

- close cooperation with GSDI, especially with its President, Prof. Dr. Abbas Rajabifard;
- Oct. 2011: drafting of report;
- 7 Oct. 2011: TF meeting in Melbourne in order to discuss draft report and prepare Expert Group Meeting in Kuala Lumpur;
- Dec. 2011-Jan. 2012: contributions of six world renowned experts;
- 14 Feb. 2012: Expert Group Meeting, Kuala Lumpur, in cooperation with UN-RCC, PCGIAP, GSDI and FIG; a group of some 20 experts discussed the proposed elements and provided the input for the KL Declaration on SES, adopted for the Symposium on SEGS in KL, 16 Feb. 2012.

The Task Force is to conclude its work by the publication of a final report, which is to be presented at the FIG Working Week 2012 in Rome and at the GSDI-13 Conference in Quebec, both taking place in May 2012.

**Daniel Steudler**  
Task Force Chair

23 February 2012

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**FIG Africa Task Force**

**Report of Activities 2011-2012**

**Final Report on Africa Task Force: Regional Africa Workshop – “Building Resilience in the Profession: A focus on Young People and Women”  
University of Cape Town, South Africa, 1-2 December 2011**

The FIG Africa Task Force (ATF) is an initiative aimed at supporting FIG African Member Associations and Academic members over the period 2010- 14.

This global taskforce emerged in response to consideration by the general council and approved by General assembly in Eilat, Israel, May 2009. The terms of reference and supporting material can be viewed at [www.fig.net/atf](http://www.fig.net/atf).

This is the final report of the Sub Saharan African Task force workshop regarding the preparation and running of a two-day workshop on Building Resilience in the Profession: A focus on Young People and Women, held on 1- 2 December 2011 in Cape Town, South Africa.

The key purpose of the task force is to enable the surveying profession in Sub Saharan Africa to deal with social responsibility in terms of contributing to achieving the MDGs. In this regard, the role of the surveyors as change agents engaging with the politicians and civic society is important.

Each year the Task Force invites an African member association to co-host the workshop event. It is with great pleasure that the FIG Africa Task Force (ATF) welcomed the *University of Cape Town, Geomatics Dept (UCT)* who organised the logistical arrangements in Cape Town, and *South African Council for Professional and Technical Surveyors (PLATO)*. In addition this years focus also compliments the current efforts underway through *FIG Young Surveyors Network (YSN)* accordingly they contributed significantly to the deliberations.

The two day Workshop considered and devised new and creative tools to revitalise and strengthen FIG Members within Sub Saharan Africa and will present its findings at FIG Working Week in Rome 6<sup>th</sup>- 10<sup>th</sup> May 2012.

## **Key activities undertaken**

### **Seminar Organisation and Program**

This workshop was targeted at senior and middle level land professionals in the private and public sector and educational and land professional institutes. It brought together decision makers and practitioners from several African nations (Botswana, Ethiopia, Gabon, Ghana, Kenya, Nigeria, Tanzania, Rwanda, Senegal, South Africa and Uganda) with expertise across the range of land professional disciplines within the FIG membership.

The final version of the workshop programme is attached to the detailed report available on the web site [www.fig.net/atf](http://www.fig.net/atf). Presentations from the workshop are also available on the FIG web site.

### **The objectives of the workshop**

Africa faces considerable challenges in the next couple of years, and development must be accelerated further. Within the framework of Professional Development and Ethics the task force in 2011 will look at developing capacity and relevant tools in the key area of:

*Building Resilience in the Profession: – to develop a suite of tools for member associations in Africa so that they may have innovative ways to engage with, and attract young people and women into the survey profession*

Over a two day workshop the Task Force objectives were to:

- Understand what the barriers of entry to the profession are especially relating to women and young people
- Add value for participants through a learning experience to enable them to act as agents of change
- Outline and develop a range of tools that are capable of being used by member associations that will make a difference in their recruiting strategies

These objectives were achieved and a suite of tools were agreed to be worked upon with a final document expected to be uploaded on the web site soon. The deliberations of how this was achieved are explained below.

### **Speakers and Participants**

An invitation letter was sent to all member associations in sub Saharan Africa requesting that they circulate amongst their members. Other special invites were sent to African land professionals (Planners and Engineers). In addition the Young Surveyors Network (YSN) successfully obtained a FIG Foundation grant which combined with an ATF contribution and their own resources funded six young professional's, to attend the workshop.

Drawing on a strong African network, speakers were invited to present core information. Delegates were limited to 50, an initial list of participants were drawn from the registration process organised by ATF in respect of international attendees, and PLATO in respect of national attendees

The list of confirmed participants and speakers is attached to the detailed report, available on the web site.

## **Deliberations**

An overview of the rationale for resilience was provided in setting the scene noting that all sectors of society need to be attracted to ensure an ongoing flow of recruits entering the profession

Based on a participatory format, participants were expected to contribute in both open forums and break out sessions. By designing an interactive two day workshop the participants were split into groups of up to eight members in which to carry out the two days' activities. Participants reviewed the content of information given, made criticisms, suggestions, raised concerns as well as making additions to improve the existing situation.

Resilience in land requires youngsters and women to enter the profession and to act as agents of change to, in general, support good land governance, and also in particular, to work towards attaining the MDGs. We understand the competing demands on young people and we also understand that we have to get young people interested at different levels, i.e. within schools, further education and grassroots. Similarly, resilience in land requires women: it is a sad fact that women have been marginalised in land and property assets, emphasising that it is not the aim to make judgments, but to look and move forward inclusively for all]. Building resilience in our profession is promoted by this workshop and through the numbers of attendees from across the continent has raised member awareness.

The workshop structure is based on and adapts the appreciative inquiry method. Appreciative inquiry employs a particular way of asking questions and envisioning the future that fosters positive relationships and builds on the basic goodness in a person, a situation, or an organisation.

Embedded into this structure are the objectives of the workshop to consider different ways of thinking categorised into: Performance & technology, Partnerships & communications and Perceptions & leadership.

The first day was led by presentations from Joycelyn Makena (Kenya), Eugene Etuonovbe (Nigeria) and Ugwulebo Benedicta Amarach (Nigeria) each sharing their personal professional experiences enabling delegates to concentrate on their own 'discover' aspects of adaptive inquiry. Next moving to the member organisation level, delegates heard from Peter Marsh, President SAGI and Winston Ayeni Chief Registrar of SERCO, who presented their respective associations recruiting activities. Groups deliberated and clearly documented SMART issues to attract new recruits to the Profession and key actions for SSA members association recruitment activities.

Sincere thanks to Trimble (Global & South Africa offices) who steered the afternoon activity that concentrated on performance and technology. Keith Hofgartner (Director Global projects) presented Trimble and their role in Africa, next with the help of the local Trimble/ Optron team equipment was supplied and they ran a full afternoon with participants fully engaged in



interactive land survey. Out of this activity the delegates designed and planned a set of draft photographic recruiting tools that could work well for the Member Associations to adapt to their needs.

The second day continued with different ways of thinking, concentrating upon partners and perceptions drawing from the adaptive enquiry structure of discover, design and delivery. Key note presentations provided:

First, discovering partnerships with an excellent presentation of the pragmatic and effective work Shack Dwellers International is doing in informal settlements in Cape Town. Aditya Kumar (SDI) & Vuyani Myango (Grassroots leader), discussed and talked about participation and communication, truly empowering and reminding delegates of the benefit of professionals working with Grassroots.

Second, Yvonne Sowah (Past President GhIS) talked about perceptions and leaderships and women in surveying, next Kate Fairlie (Chair YSN) enthused the audience with perceptions and communication from a young professional's viewpoint. Finally, Diane Dumashie overviewed what it means to lead and communicate change, linking back to the reminder of the days task to develop do-able tools.

Delegates considered and debated in a rigours and logical sequence to find ideas for action for a further set of tools that will engage with new recruits. In groups they designed tools, stating what and why they propose this tool and how will it look, before delivering at Plenary a "mocked-up" version of their respective tools with a clear statement to accompany the tool and a clear description of how the tool needs to be used by member associations to enable them to make a difference.

The outcome of six draft tools were presented in plenary, then each proposed tool was exhibited to allow a full critique by the delegates. By the close of the discussion over the two days, participants came to the conclusion that individual groups would take away their tools to refine and re- present final versions at the ATF Roundtable in May 2012.

### **Outcome of the Workshop**

The consensus reached at the end of the workshop discussion is that in the first quarter of 2012 action by:

- End February- Individual groups to consider and prepare and refine their ideas for tool structure and return the final draft to ATF secretariat
- March- final edit, formatting and print production, and as appropriate publications by FIG Head office
- May- (FIG Working week, Rome), the draft tools will be brought to the Roundtable for final discussion on content before deciding to circulate a suit of tools to Member Associations for their use.

A short workshop publication based on the detailed deliberations has been prepared is available as a briefing document for the ATF roundtable at this Working Week (Rome 2012).

## **Closing remarks**

*“Focusing developmental efforts geared at youth as a strategy to achieve the goals [MDGs] is essential given that they [the young] are directly concerned by all the MDGs and that they comprise more than half of the world’s population” (Jose Fernando Mata-Piche, UN Habitat Youth Section June 2010)*

There is no denying that surveying is an aging profession. There is recognition at all levels of the need to engage with the Youth of to-day, both men and women. This points to the resilience of our profession and the need to ensure our profession continues to recruit for progress to be made to achieve good land governance. The demand for well trained professionals is stronger than ever.

The world is flooded with information and data; however this is meaningless without knowing how to apply them to reach desired goals. This knowledge yields added value. So for member organisations it is important to know where knowledge is shared and how it can be transferred to the right people. This requires a strategy and tools for knowledge management.

*“Do we have the heart for the youth and women and to truly engage?” (Delegate ATF 2011).*

The Africa task force network believes Yes. This workshop designed to promote delegates as ‘Agents of Change’ has deliberated how member associations may demonstrate societal contribution and specifically to achieve this, developed recruitment tools that are required to convince young men and women that our profession should be a first choice career.

The workshop presented here has successfully delivered a range of tools that with member adaptation can form part of a growing resource of information. Tools developed by delegates at ATF workshops, it is hoped will assist Member Associations decisions in recruitment techniques and by dissemination will further enable appropriate activities by their own land professionals in their own countries.

For FIG this is an excellent next step in the ATF objectives which has now delivered a suite of tools for adaptations and use by our land professional members in Sub Saharan Africa (and elsewhere). We aim to now to cast the net wider than just the workshop and look at capturing the thinking and input from the wider FIG membership at the Roundtable in Rome 2012.

**Dr Diane Dumashie**

Chair, Chair Africa Task Force

January 2012

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**Task Force on Surveyors and the Climate Change**

**Report of Activities 2011-2012**

Since the Task Force was inaugurated at the 2011 Working Week in Morocco, it has finalized its membership, implementing a two-tier system comprised of full members and corresponding members. The complete list of full members is given below.

- John Hannah (New Zealand)
- Isaac Boateng (Ghana/UK)
- Paul van der Molen (Netherlands)
- Neil Pullar (FAO/New Zealand)
- Michael Sutherland (UK)
- David Mitchell (Australia)
- Stig Enemark (Denmark) Informal, Ex Officio member.

The list of corresponding members has largely been compiled from those who attended the TF meetings in Marrakesh and indicated a desire to be kept informed of progress.

The TF has made minor amendments to its initial Terms of Reference (ToR) so as to clarify direction and intent. Its primary goals are now as follows:

1. To identify those areas where surveyors can assist uniquely the international community to better understand the effects and impacts of climate change and can provide advice on how to mitigate and cope with the effects of climate change.
2. To assist FIG meet its MoU partnership commitments to the FAO, UN-Habitat, International Association of Geodesy, (IAG), and the World Bank with respect to climate change studies and initiatives.
3. To consider and comment, as appropriate to the skills of a surveyor, on the design and use of any global measuring, monitoring and management systems that might be used to identify and mitigate the effects of climate change.

It is anticipated that the TF will submit a final report at the FIG Congress in Kuala Lumpur in 2014. A draft structure for this report is shown below.

1. Technologies
  - a. For the Monitoring of Climate Change (Data collection)
    - i. Sea Level (e.g., tide gauges, GPS, satellite altimetry, etc )
    - ii. Ice Mass Balance (e.g., GRACE, absolute gravity, etc)
    - iii. Land Cover (e.g., Remote sensing, photogrammetry)
    - iv. Land Forms (LIDAR – terrestrial and airborne)  
2/03/2012
  - b. For the Analysis of Climate Change Impacts (Data integration and analysis)

- c. For the Mitigation of Climate Change
- 2. Impacts of Climate Change
    - a. On Land Management and Land Administration (including re-settlement issues)
    - b. On Cadastral Boundaries and Property Rights
    - c. On Infrastructure (e.g., dams, water supply, etc)
    - d. On Land Economy (e.g., carbon credits)

The intent is to develop these topics from a surveyor's perspective by identifying those areas where the surveyor can bring his/her unique knowledge and skills into play. To this end, tentative responsibilities for various aspects of the report have been allocated amongst the TF members.

A draft Work Plan is given below.

- 1. TF Meets at the 2012 FIG Working Week in Rome (6-11 May)
- 2. TF Meets at the 2013 FIG Working Week in Abuja, Nigeria (4-11 May)
- 3. TF Meets at 2014 FIG Congress in Kuala Lumpur (June) and present its final report.

**John Hannah**  
Task Force Chair

17 February, 2012

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**Task Force on Property and Housing**

**Report of Activities 2011-2012**

**1. Background**

In many countries Surveyors are expected to identify land tools and good governance practices that will facilitate:

- secure access to land and property rights,
  - secure mortgage rights,
  - sustainable housing, housing rights and land market,
  - redevelopment and urban regeneration,
  - energy efficiency and green housing,
- within an unpredictable economic and social environment.

This is characterized by a:

- significant decrease in access to financing,
- immigration and unemployment,
- inner city decay,
- rural urban migration, shrinking of towns and villages,
- corruption and confusion in land and housing regulatory framework,
- increasing housing demand and informal settlements.

The Task Force will investigate challenges and major threats resulting from the current global financial crisis, and identify new role for the surveyor. It will develop awareness, vision and key strategies as well as to investigate tools and techniques around:

- institutional development,
- improvement of coordination of various stakeholders,
- adoption of effective policies,
- land tool development,
- technical tools to support the above

**2. Members**

Chair: Prof. Chryssy Potsiou, FIG Vice President  
Members: Raymond Chan, Hong Kong SAR, China  
Steven Nystrom, USA  
Bozena Lipej, Slovenia  
Winrich Voss, Germany  
Junping Liao (Patrick), China P.R.  
Collins Kowuor, Kenya

The list may be completed with 1-2 members representing different regions and expertise on this topic that relates among others to Commissions 3, 7, 8, 9 and 10

### **3. Output**

FIG publication to be launched at the FIG Congress 2014.

### **4. Progress Report**

- Task Force members have agreed to schedule a brief Workshop (two focused Technical Sessions and meetings) during the FIG Working Week 2012. Invited speakers will provide information on relevant topics. The Rome Workshop will provide the forum for discussion and planning of the coming 2012 focused, joint FIG/UN ECE Conference in Europe, and will finalize the future TF Action Plan, which will include similar Workshops in other regions (e.g., Africa, Latin America, Asia).
- Countries in the greater ECE region are long working on Property and Housing aspects. Many have established denationalization, privatization, property restitution and property registration projects but at the same time most of them face the problem of informal development due to a number of reasons that have been identified through a previous joint FIG/UN ECE Conference in 2007 in Greece; the output of that Conference has encouraged many of these countries to run legalization projects. Currently, there was a strong request expressed by the ECE member states that a follow up Conference should be organized to monitor the progress and to identify the remaining or new weaknesses, especially in the field of affordable planning and affordable housing. During the UN ECE WPLA General Assembly in Geneva in June 2011 FIG TF chair (and members) and UN ECE WPLA bureau have agreed to organize a focused joint Conference on the topic: “Informal Development, Property and Housing: Legalization and Progress”, on the 10 – 14 December 2012. The Workshop will be hosted by the Technical Chamber of Greece, Syntagma Square, Athens, Greece. FIG member Associations and distinguished delegates, members of the United Nations Economic Commission for Europe and its member states, the World Bank and other key stakeholders are invited to participate in this Conference hosted by FIG and the UN ECE WPLA. As Greece is currently going through serious structural reforms due to the economic crisis, it is expected that this Conference will be of multiple value and interest. In addition, FIG Commission 3 chair and delegates, during their annual 2011 Workshop in October, in Paris, have decided to join the event and organize the 2012 FIG Commission 3 two days Workshop, that will focus on the relevant SIM technical aspects, prior to the two days FIG TF / UN ECE WPLA Conference. According to the ECE state members’ request, a joint FIG/ UN ECE publication on the topic is planned to follow the Conference.

### **Prof. Chryssy Potsiou**

Chair, Task Force on Property and Housing

February 2012



OFFICE INTERNATIONAL DU CADASTRE ET DU RÉGIME FONCIER  
INTERNATIONAL OFFICE OF CADASTRE AND LAND RECORDS  
INTERNATIONALES AMT FÜR KATASTER UND GRUNDBUCHWESEN

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**International Office of Cadastre and Land Resources – OICRF  
Annual Report 2011**

**1. General**

OICRF - the International Office for Cadastre and Land Records - is one of the permanent bodies of the International Federation of Surveyors (FIG). OICRF serves as a documentation and study centre for land administration and is charged with the following tasks:

- collecting and systematically filing and indexing all documentation material relating to existing cadastres and land registration systems,
- conducting comparative studies of this material and publishing the results,
- providing information and advice on all cadastres and land registration systems to all interested persons and institutions for the purposes of study or to help countries wishing to set up a cadastre or land registration system or improve an existing system,
- maintaining the documentation system on a daily basis.

**2. The digital Land Administration Library in 2011**

OICRF maintains a digital library that contains approximately 10.460 publications (January 1, 2011), which include things such as conference documents, magazine articles and reports on land administration. All of the available documents and the most recent publications can be accessed electronically at [www.oicrf.org](http://www.oicrf.org) and downloaded in portable document format. Users can also trace documents linked to a certain event, such as papers linked to a specific conference or seminar. The website is a popular resource. In 2011 the digital library got about 20.889 visitors from all over the world (145 countries). About 9616 papers have been downloaded. This number is based on the application of Google Analytics; visits from search engines are excluded in this.

**3. Contact**

OICRF does its utmost to provide the best possible service for anyone who requests information. This is made possible by the support of our host: Cadastre, Land Registry and Mapping Agency of the Netherlands.

Ir Christiaan Lemmen  
OICRF director

Ms Pauline van Elsland  
OICRF secretary

#### 4. Comparatative studies in 2011

In 2011 OICRF published several comparatative studies:

Chimhamhiwa, D., Mutanga, O. and van der Molen, P. (2011) Measuring quality performance of cadastral survey and deeds registration work processes. In: Land use policy, 28 (2011)1 pp. 38-46.

Augustinus, C. and Lemmen, C.H.J. (2011) What is required to bring the social element into land administration : moving from the land administration domain model to the social tenure domain model + powerpoint. In: Annual World Bank Conference on Land and Poverty, 18-20 April 2011, Washington D.C., USA. 17 p.

Lemmen, C.H.J., Uitermark, H.T., van Oosterom, P.J.M., Zevenbergen, J.A., and Greenway, I. (2011), The Road to a Standard Land Administration Domain Model, and Beyond...In: FIG working week 2011 : bridging the gap between cultures : technical programme and proceedings, Marrakech, Morocco, 18-22 May 2011. 26 p

Elikkos Elia, Christiaan Lemmen, Peter van Oosterom and Jaap Zevenbergen  
The Land Administration Domain Model (LADM) as the Reference Model for the Cyprus Land Information System (CLIS) (abstract)  
In: FIG working week 2011 : bridging the gap between cultures : technical programme and proceedings, Marrakech, Morocco, 18-22 May 2011. 26 p

Mitchell, D., Zevenbergen, J.A., Lemmen, C.H.J. and van der Molen, P. (2011) Land administration options for projects involving payments for carbon sequestration. In: FIG working week 2011 : bridging the gap between cultures : technical programme and proceedings, Marrakech, Morocco, 18-22 May 2011. 18 p

van der Molen, P. (2011) Cadastres, nations and states : the work of land surveyors and land registrars can be seen in a context of state and nation building. In: Coordinates : magazine on positioning, navigation and associated technologies, VII (2011)5 5 p

Lengoiboni, M., Bregt, A.K. (Promotor) and van der Molen, P. (Promotor) (2011) Pastoralists seasonal land rights in land administration : a study of Northern Kenya. PhD thesis Wageningen University; summaries in Dutch, English and Swahili. ITC Dissertation 183, ISBN: 978-90-8585-866-9.

Lengoiboni, M., van der Molen, P. and Bregt, A.K. (2011) Pastoralism within the cadastral system : seasonal interactions and access agreements between pastoralists and non - pastoralists in Northern Kenya. In: Journal of arid environments, 75 (2011)5 pp. 477-486.

van der Molen, P. (2011) Safeguarding the future of pastoralism. In: GIM international: the global magazine for geomatics, 25 (2011)6 pp. 6.

Van Oosterom, P.J.M., Lemmen, C.H.J., Uitermark, H.T., Boekelo, G., and Verkuijl, G. (2011) Land administration standardization with focus on surveying and spatial representations + powerpoint. In: Survey summit : the ACSM annual conference, 7-12 July 2011, San Diego, USA : 2011 proceedings, 28 p. + 78 slides

C.H.J. Lemmen, P.J.M. van Oosterom, H.T. Uitermark, J.A. Zevenbergen and A.K. Cooper, (2011) Interoperable domain models : the ISO land administration domain model LADM and its external classes. In: 28th Urban Data Management Symposium: UDMS at 40 years : making contributions to the future, Delft, the Netherlands, 28-30 September 2011 / ed. by E.M. Fendel, ... [et al.] - : International Society for Photogrammetry and Remote Sensing (ISPRS), 2011. - (International Archives of Photogrammetry and Remote Sensing : IAPRS : ISPRS ; XXXVIII-4/C21) 10 p



Lemmen, C.H.J. and van Oosterom, P. (2011) ISO 19152 is at stage of final draft international standard. In: Cadastre 2.0 : proceedings of the international FIG symposium and commission 7 annual meeting, Innsbruck, Austria, September 2011: special issue of: Vermessung und Geoinformation (VGI), 99(2011) / editor G. Schennach. - Wien : Austrian Society for Surveying and Geoinformation OVG, 2011. - 132 p. ; 24 cm pp. 123 - 126

Lemmen, C.H.J., van Oosterom, P.J.M., de Zeeuw, K., Salzmann, M., and Wubbe, M. (2011) Society driven innovations in land administration. In: FIG Proceedings of the 3rd cadastral congress, 23-25 November 2011, Warsaw, Poland. - Krakow : Association of Polish Surveyors (SGP), 2011. - 332 p. ; 25 cm. ISBN 978-83-61576-18-1. pp. 77-92; also published at the 11<sup>th</sup> South East Asian Survey Congress, Kuala Lumpur, Malaysia, June 2011

Lemmen, C.H.J., and P.J.M. van Oosterom (2011), ISO 19152 - The Land Administration Domain Model, In: Proceedings International conference Land Policies in East Africa, November 2011, Kampala, 17 p.

Doner, F., Thompson, R., Stoter, J.E., Lemmen, C.H.J., Hendrik Ploeger, Peter van Oosterom and Sisi Zlatanova (2011) Solutions for 4D cadastre : with a case study on utility networks. In: International journal of geographical information science : IJGIS, 25 (2011)7 pp. 1173-1189

Bennett, R.M. and van der Molen, P. (2011) Survey accuracy : furthering dialogue on ' Towards cadastre 2034'. In: GIM international : the global magazine for geomatics, 25 (2011)11 pp. 31-35.

van der Molen, P. and Lemmen, C.H.J. (2011) Land administration for sustainable development : by I. Williamson, S. Enemark, J. Wallace. and A. Rajabifard, Redlands: ESRI Academic Press, 2010. ISBN 978-1-58948-041-4 : book review. In: GIM international : the global magazine for geomatics, 25 (2011)12 pp. 9.

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**International Institution for the History of Surveying and Measurement  
(IIHSM)**

**Report of Activities 2011-2012**

**1. Marrakech**

In 2011 Alan Wright represented the IIHSM in Marrakech, Morocco and gave the Report to the General Assembly.

At the Marrakech meeting the History session had four presentations for which there were published papers. These were:

- Surveyor-general and Registrar-general of Upper Egypt in the xviii Dynasty – Rekhmire (c1470-1420 b c) J F Brock (Australia)
- Cartography, cadastre and surveying and the development of cities during the nineteenth century in Spain. M L Palanques and M Calvo (Spain)
- History, cartography and science: The present day importance of the mapping of Mozambique in the 19<sup>th</sup> century. A C Roque and P Santos. (Portugal)
- The four centuries of Polish books for land surveying. A Lyszkowicz and M Uradzinski. (Poland)

The session was organised by John Brock in his usual efficient manner.

**2. Adelaide**

During the IIHSM meeting in Sydney Miss Kelly Henderson presented a paper on the aim to preserve William Light's Plan of Adelaide together with parts of the City. A proposal was tabled at the FIG General Assembly to assist the Australian colleagues to prepare their submission dossier.

Subsequently Jan de Graeve became involved and was invited to Adelaide by the Surveyors of South Australia and there he studied the Archives and identified various original instruments. He explained the procedures for submitting a case to UNESCO and gave a public lecture on the Struve Meridian as a World Heritage Monument.

He was introduced to the Lord Mayor, to representatives of most political parties, invited to the opening of the Parliamentary year, and had a two hour meeting with the Governor of South Australia his Excellency Kevin Scarce.

**3. Struve Arc**

The long running project for the possible extension of the Struve Geodetic Arc World Heritage Monument has reached a critical stage. During 2011 Jim Smith completed the collection and summarising of as much published material as it was possible to find relating to the two additional sections. These are the triangulation through Central Europe of the

1920s and 1930s that extended from Lithuania to Crete and that in Africa known as the Arc of the 30<sup>th</sup> Meridian.

A document summarising this has recently been sent to representatives of all the Struve Arc countries prior to their meeting in Belarus later this year.

The next move has to be from the national survey organisations of all the countries involved – about 20 of them. It is these organisations, and not an individual or other body, who are the appropriate ones to formulate any submission to UNESCO.

Obviously the IIHSM and FIG would continue to have input as and where it might be applicable. The time scale even now is a long one. To spread the load it would be sensible for each of the two sections to be coordinated by one of the National Survey Organisations (NSOs) but the gathering, assembly and presentation time is measured in years rather than months.

#### **4. Mercator 1512-2012**

Jan de Graeve is writing a contribution on Mercator for the FIG Paper of the Month.

He has also recently completed a Report about Mercator of 98pp + 32 photographs. This is in English and French and is to be published in Spring 2012.

Several commemorations of Mercator are taking place in Europe. Jan de Graeve will be presenting lectures on the topic in Duisburg and Vienna in addition to giving an introduction in St Niklaus, Belgium, about the contents of Mercator's library. In addition, in St Niklaus there will also be an exhibition (23 March to 1 July 2012) of 40 books that are identical to those that Mercator had.

#### **5. Meridians**

On 16 February 2012 Jan de Graeve gave a talk in the Brussels city library on the *History of Meridians* told through books.

#### **6. Working Week in Rome**

The History activities for Rome were initially planned to be held in the Biblioteca Casanatense and that was booked in 2010 but at short notice that facility has suddenly been withdrawn. The political situation in Italy (as in Greece and some other countries) through redundancies and loss of funding affected the ability of the Biblioteca to rent out accommodation for such meetings. At the time of writing this Report efforts are still being made to find an alternative venue and so salvage the meeting for which speakers and papers have already been organised by John Brock. Aside from these problems there are some persons who would normally attend FIG meetings who are finding the overall costs have outstripped their no longer bottomless pockets.

#### **7. IIHSM**

A Board meeting is to be held in London later in 2012.

#### **Jan de Graeve**

February 2012



**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week, Rome, Italy, May 2012**

**FIG Foundation**

**Report of Activities 2011**

**1. Administration**

The FIG Foundation is located in and administered by the FIG Office in Copenhagen.

A Board of Directors chaired by the President of the FIG Foundation makes the decisions of the Foundation.

The Board of Directors for 2011 was as follows:

- John Hohol, President of the FIG Foundation (USA)
- Prof. Michael Barry, Director (Canada)
- Prof. Steve Frank, Director (USA)
- Prof. Chryssy Potsiou, Director (Greece)
- Prof. Paul van der Molen, Director (Netherlands)

**2. Programmes with Corporate Members**

FIG Foundation Partners

- Charter Foundation Partner Trimble Navigation continues to support the FIG Foundation by sponsorship of the FIG Foundation Dinner since 2010 and providing other support directly through the Foundation.

In addition there are two grant programmes under the FIG and the FIG Foundation:

- The ESRI/FIG Grant Programme was introduced in 2002 (on hold)
- The Intergraph/FIG Grant Programme was introduced in 2003 including different categories of grants (on hold).

The FIG Foundation had a fruitful meeting during the 2011 Working Week in Marrakech.

The board expressed sincere thanks to Keith Hofgartner representing FIG Platinum Corporate Member Trimble Navigation for generous continued support of the foundation including sponsorship of the FIG Foundation Dinner.

During the meeting the board made two decisions for grant awards.

The first was 2012 FIG Foundation Young Surveyor Conference Fellowships which provide funding for individuals to cover the costs to attend and participate in the First FIG Young

Surveyor Conference in 2012, including attendance at the FIG Working Week in Rome. Up to four (4) Fellowships will be available, to cover the costs of travel, accommodation during the FIG Young Surveyors Conference and FIG Working Week and conference registration. Fellowships include attendance at the FIG Foundation Dinner, the FIG Gala Dinner and Commission dinner.

The second is for 2012 FIG Foundation Academic Research Grants which will provide for research grants of up to 20,000 euros spread over two years.

The Board of the Foundation had a discussion on possible categories of other applications to fund:

- a) Research grants (which would be available to everyone, to be applied for using a 1-page standard application),
- b) Fellowships (primarily to developing countries, but should not be awarded to same person twice)
- c) Scholarships
- d) Separate travel grants (of up a few hundred EUR).

### 3. Donations in 2011

<b>Marrakech:</b>	EUR
Voluntary donations	1,722.00
Foundation Dinner incl sponsors	18,550.00
Registration fee for delegates	15,000.00
<b>Total Marrakech</b>	<b>35,282.00</b>
<b>Other donations</b>	
Paul Van der Molen	500.00
Trimble donation	15,000.00
<b>Interest</b>	
Interest 2011	3,752.00*
<b>Income FIG Foundation 2010</b>	<b>54,524.00</b>

\* Interest income has increased from 1,057 EUR in 2010 to 3,752 in 2011. This is due to the fact that FIG in 2011 invested some of the Foundation funds in Danish bonds. First of all, this investment gave higher interest rate in 2011 and secondly, in this amount is also calculated a rise in the nominal value of the bonds.

**The voluntary donations from the FIG Conference in Morocco were as follows:**

1 x 340 EUR

Ralf Schroth

2 x 200 EUR

Jacob Odeh Ehiorobo

John Hohol

4 x 100 EUR

Robert Foster

Ibrahim Usman Jibril

Vincent Nwokoro

Obiora Chime Ugochukwu

Smaller amounts received (20 donations) were from:

Robert Sinkner

Adeyinka O Adesanya

John Brock

Jim Curnow

David Oluwamotemi

Juha Talvitie

Michael Zurhorst

Christiaan Lemmen

Kees De Zeeuw

Henning Elmstroem

Juerg Kaufmann

Co Meijer

Martin Wubbe

Nnanjar Njar Gertrude

Anthony Anaebonam

Abiodun Awofeko

Leiv Bjarte Mjoes

Pavel Novak

Milan Talich

Vuttinan Utesnan

**Grants 2011**

5,000 USD was given to a project in Uganda in co-operation with Trimble and UN-HABITAT/GLT. The STDM Pilot Project was co-implemented by Actogether - a national urban NGO based in Uganda and an affiliate of Slum Dwellers International (SDI). The grant provided technical support to data collection and capacity building process, technical and logistical support to Missions/Workshops and undertook the over-all process documentation.

Young Surveyors received a grant of 3000 EUR to help Young Surveyors to participate in the African Task Force Seminar in South Africa, because part of the agenda was dedicated Young Surveyors.

#### **4. Grants 2012**

Announcement of new grants were published in the autumn 2011 with 15 January deadline for applications. Applicants shall:

1. be based in a surveying/geomatics academic or research programme in a country listed by the World Bank as a low-income, lower-middle or upper-middle income economy,
2. have an established record of published research - at least two articles in good quality internationally recognised peer reviewed journals serves as a useful guideline, and
3. have experience in managing postgraduate students.

Furthermore, FIG Foundation decided to be part of the First FIG Young Surveyors Conference, which will take place just prior to FIG Working Week in Rome, May 2012. FIG Foundation announced 4 grants to Young Surveyors from developing countries to cover all costs for 4 Young Surveyors both for the Young Surveyors Conference and the FIG Working Week. To apply for a grant, a paper discussing the future of Young Surveyors should be submitted together with an application to participate.

#### **5. Accounts 2010**

The income statement for 2011 and the balance sheet at 31 December 2010 are attached to this report.

The total income in 2011 was € 54,524.00 and expenses € 6,656.00 which gives the net result of € 47,868.

The total assets are € 211,316.00.

The FIG Foundation would like to sincerely thank all those who have generously donated in 2011 in support of the FIG Foundation.

**John Hohol**

President of the FIG Foundation

Web page: [www.fig.net/foundation](http://www.fig.net/foundation)

February 2012

## Income Statement for 1 January - 31 December 2011 for the FIG Foundation

	<u>2011</u>	<u>2010</u>
	<i>EURO</i>	<i>EURO</i>
<b>Donations</b>		
Personal donations.....	15.408	1.497
Other donations.....	1.727	8.509
FIG Conferences.....	33.637	16.612
Financial income.....	3.752	1.057
	<hr/>	<hr/>
<b>Total Income</b>	<b>54.524</b>	<b>27.675</b>
 <b>Expenses</b>		
Grants.....	(6.656)	(3.915)
Bank cost.....	0	(471)
	<hr/>	<hr/>
<b>Total Expenses</b>	<b>(6.656)</b>	<b>(4.386)</b>
	<hr/>	<hr/>
<b>Final Result (Deficit)</b>	<b>47.868</b>	<b>23.289</b>
	<hr/> <hr/>	<hr/> <hr/>



## Balance Sheet at 31 December 2011 for The FIG Foundation

	<u>2011</u>	<u>2010</u>
	<i>EURO</i>	<i>EURO</i>
<b><u>Assets</u></b>		
<b>Current assets:</b>		
Receivables:		
Account receivable, FIG.....	204.285	156.802
Other receivables.....	1.157	1.154
Cash at hand and bankaccounts.....	5.874	5.490
<b>Total current assets</b>	<b>211.316</b>	<b>163.446</b>
<b>Total assets</b>	<b>211.316</b>	<b>163.446</b>
<b><u>Equity and liabilities</u></b>		
<b>Equity:</b>		
Equity at the beginning of the year.....	162.448	139.159
Retained earnings.....	47.868	23.289
<b>Total equity</b>	<b>210.316</b>	<b>162.448</b>
<b>Liabilities:</b>		
Other debt.....	1.000	998
<b>Total liabilities</b>	<b>1.000</b>	<b>998</b>
<b>Total equity and liabilities</b>	<b>211.316</b>	<b>163.446</b>

**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**Working Group on Voting Rights**

**1. Introduction**

The Working Group (WG) was elected by the General Assembly “from the floor” in Marrakech and was made up of nominated *countries*. Countries nominated were Belgium (388 members), Canada (708), Denmark (1007), Germany (8000), Hong Kong SAR (4614), Ireland (285), Italy (100,000), Kenya (255), Lebanon (437), New Zealand (1034), The Netherlands (1200), South Africa (591) and the USA (504).

Subsequently, Vice President Iain Greenway organised the populating of the Working Group with people from the nominated countries; Belgium (Axel Anneart), Canada (George McFarlane), Denmark (Henning Elmstroem), Germany (Karl-Friedrich Thöne), Hong Kong SAR (Edward Au), Ireland (Brendan Arrigan), Italy (Fausto Savoldi), Kenya (Collins Kowour), Lebanon (Yaacoub Saade), New Zealand (Brian Coutts), The Netherlands (Kees de Zeeuw) and the USA (Steve Nystrom). He then conducted an election for Chair of the Working Group. On an equality of votes the task of Chair fell to Brian Coutts of New Zealand by lot. However, this process consumed two months of the limited time. South Africa, one of the nominated countries did not reply to the request for nominees and so fell off the circulation list. Henning Elmstroem from Denmark was appointed Vice Chair, and the Working Group declined, by majority vote, applications to be included from two other bodies.

In order to progress the necessary work as expeditiously as possible, all participants were requested to propose, in confidence, their views on possible alternatives to the existing system for us all to consider. It was emphasised at that point that their national or personal views should be put aside and consideration given to what would be in the best interests of FIG. It was also pointed out that this Working Group was concerned with Voting Rights only, and that the issue of subscriptions, while it was possible to make connections between subscriptions and voting, should not enter into this discussion. It took a further three months to get an almost full set of answers, and the suggestions that came from them are outlined below. Lebanon made no response and has not replied to any further communications since indicating its nominee.

The responses ranged from support for the *status quo* to other quite radical mechanisms. In the meantime Henning Elmstroem of Denmark undertook to research the history related to the changes of the statutes that had taken place over past years. The result of Henning’s very valuable work is attached as an Appendix 1 to this report. Maria Joao Henriques of Portugal, on her own initiative, produced a research report in January 2012, outlining the participation in General Assemblies by member associations over the last 10 years. As it adds considerable value to the understanding of the effect of the voting process, this report is also attached to this report as Appendix 2, for the information of delegates.

I am deliberately not attributing views to those who put them forward, nor do I present them as my own, so that any personality issues, national positions or personal positions are not introduced into the discussion, and neutrality is maintained as much as possible.

The options identified, briefly, were as follows: -

- Status quo - one member/one vote.
- Return to previous - one country/one vote.
- Weighted voting - based on member associations own membership numbers
  - 5 tiers (<100/100-1k/1k-2k/2k-5.5k/<5.5k)
  - Weighted voting - 3 tiers (<1k/1k-4k/>4k) or (<2k/2-4k/>4k).
  - Weighted voting - 2 tiers
    - in order to meet common aims with UN should empower small nations
    - cut-off at 1k members, or at 2k members.
- World zones - each zone given so many voting points,
  - one country/one vote,
  - votes are converted to zone points.
- Population-based voting - each country gets votes in proportion to its population, say 1 vote per 40 million inhabitants. Countries with low Human Development Indexes would be given one extra vote

If any system is adopted that involves weighting the number of votes, then further consideration becomes necessary to decide where the “break-points” occur between the tiers.

The suggestions were then summarised for WG members in a short paper, the summary circulated with a few comments from the Chair, and requesting further views. Little has been forthcoming since then, other than entrenchment of existing positions already expressed, or no comment.

## **2. The Options**

### ***Voting by member association***

Three members of the WG supported the existing system, that of one member/one vote. It was suggested that any other system, especially more votes for larger associations, would tend to marginalise smaller countries, and that this was not in conformity with FIG’s own mission. If the objective, as stated, is to collaborate with the UN, and to promote the disciplines within developing countries, increasing the “weight” of larger, wealthier countries was not consistent with this. It might also be noted that in many countries, voting rights are equal for all citizens. Status, wealth, taxation contribution or age do not affect the right of the individual to vote, or impact on the weight of their vote. Two further associations suggested compromise was necessary, but only because the issue had been raised and was the topic of debate. They concluded that, therefore, there must be a problem and some alternative must be necessary. It is not clear how widespread the belief that there is a “problem” permeates the membership.

### *Voting by country*

One member of the WG specifically supported the return to one country/one vote. This is the system used by the UN. It allows every country to have the same weight when it comes to voting. There was a stated concern that if the weighting of larger countries was increased, if they were to work together, and given that 3 of the largest were in Europe, they could be dominant. It was also suggested that one member/one vote could encourage the division of existing members into smaller specialised associations (e.g. based on language in a multi-lingual country, or by sub-discipline) which would not be to the benefit of FIG (or possibly themselves).

One other member of the WG advocated voting by country regardless of the number of associations, but proposed a tiered voting allocation to countries based on the population of the country, e.g. one vote for every 40 million people. This suggestion also offered a compromise by allowing countries with a low Human Development Index an additional vote.

### *Weighted voting*

As an alternative to the present system, the most common suggestion was to give larger associations more votes in relation to the number of members within each association. This was discussed at the break-out session as well as the General Assembly in Marrakech. All of these offerings appeared (since it was not always explicitly stated) to agree with maintaining voting by member associations rather than by countries, but giving some members additional votes in proportion to the membership numbers they represented. Seven members of the WG proposed, or were prepared to support as a compromise, a tiered system of voting. There was relatively wide variation on how many tiers there might be. However, there appeared to be some obvious points on the scale of association membership numbers at which the “break points” might be established, but the suggestions were very much dependant on how many tiers were supported.

One option was for a **5-tier system**. Tiers could be defined as -

- 0-999 members, 1 vote (80% of associations);
- 1000-1999, 2 votes (12%);
- 2000-3999, 3 votes (4%);
- 4000-9999, 4 votes (2%);
- more than 10,000 5 votes (2%).

A second **5-tier system** suggested -

- fewer than 100 members, 1 vote (27%);
- 101-1000, 2 votes (54%);
- 1001-2000, 3 votes (10%);
- 2001-5500, 4 votes (5%);
- and more than 5501, 5 votes (4%).

A second option was for a **3-tier system**. One suggestion was simply for small, medium and large, without further definition. A second suggestion was –

- 1-1999 members, 1 vote (91%);
- 2000-3999, 2 votes (4%);

4000 (5%) or more, 3 votes.

A third suggestion was for –

0-999 members, 1 vote (80%);

1000-3999, 2 votes (15%);

more than 4000, 3 votes (5%).

Finally there was an option for a **2-tier** system. One suggestion was for

1-2000, 1 vote (91%);

more than 2000, 2 votes (9%).

A second suggestion in the 2-tier system was –

1-1000, 1 vote (80%);

more than 1000, 2 votes (20%).

In assessing the submissions in support of a weighted voting system, there was not wide support for 5-tiers, but there was strong opposition from some members to a system as extensive as 5 tiers. Their opposition was based on the concentration of voting with the larger, potentially richer, and more regularly attending associations that could result.

### ***World regions or zones***

There was one suggestion of dividing the world into regions or zones. Zones could be decided on a variety of criteria. They could be defined such that each zone had equal weight, or they could be allocated “voting points” depending on their size or number of associations. This could incorporate either member associations or countries voting within their region and could include a tiered voting system for either member associations or countries.

### **3. Comments of the Chair**

The Working Group is based on the premise that there is something wrong with the present system and that it is in need of fixing. From the submissions there is not a common agreement that the present system is, in fact, defective. It is acknowledged by some that, while it is not perfect, it may be the best we can get. There are comments that suggest alternatives are only being considered because a compromise is necessary. Other than those that promoted 5 categories in Marrakech, there is a reluctance to accept more than 3 categories by most. Again, this is seen by some only as a compromise. Only one member was in favour of returning to a one country/one vote system.

If a change is to be made it would appear that the more radical suggestions would not have widespread support, if the WG is representative of the membership at large. Neither does it seem would a return to the former method of one country/one vote. While this is favoured by some, it appears to ignore the changes to FIG that have taken place in recent years where FIG has grown considerably, but to some extent because there is more than one member association from some countries. This seems to be why the statutes were changed from the former method of one country/one vote. While in some countries amalgamations have taken place to improve and coordinate the voice of the surveying community within their own country, there are other “cultures” in which diverse professional groups, while embraced by the FIG definition of a Surveyor, view themselves as quite distinct professions. In some places this applies to Valuers and to Quantity Surveyors at least. Again, in some countries,

these sub-disciplines of the global definition of a Surveyor wish to be part of FIG, while in others countries their needs are met in other groupings.

It appears that there are not only political differences showing up, but quite probably cultural differences as well. If this is so, then it further compounds the possibility of the Working Group reaching a single recommendation, or of finding a unanimously favoured outcome in the General Assembly. If any agreement on a voting system different from the present one is to be adopted, it is clear that there must be comprises from existing positions by the proponents for change. From the submissions it seems unlikely that a 5-tier system would find broad enough support to succeed, assuming the WG is representative of the membership. It might therefore be concluded that the best chance of success, by compromise, will be either a 2-tiered or a 3-tiered system.

Whatever system is adopted, it must be fair, easily understood and be simple to operate. In principle it needs to be as democratic as possible and as inclusive as possible. No member should be made to feel that their vote is so insignificant that they cannot make a difference. Maybe larger countries need to be magnanimous in their consideration of small nations and small associations, and maybe small associations need to be more confident in the diversity of opinion represented in the larger associations, and that the fear of block voting by large bodies, while possible, is not really very likely.

Another matter that members need to consider is that the real benefit and work of FIG is achieved through the structures of the Commissions and the delegates themselves along with the President and the Council. The number of issues that go to a formal secret ballot in a General Assembly are few, though significant, as in the elections for FIG office-bearers. Whenever a decision can be reached on the issue of Voting Rights, it has been suggested that it would be useful to also place a ban on raising the matter again for a specified period, say 10 years.

The other important issue that is subject to ballot is the allocation of conferences venues. It has been suggested that this could be handled differently by moving the decision on venues to the Council and removing it from the popular vote. Such a move would allow other considerations to be taken into account, such as the view of Corporate Members and sponsors, limit political influences and lobbying and ensure a geographical distribution of events. This does not require a change to the FIG Statutes.

It has also been suggested that the timing of the second session of the General Assembly be reviewed. While there are sound reasons why it is placed at the end of the Working Week or Congress at present, it is also noted that many delegates, because of their uncertainty as to the timing of the conclusion of the General Assembly, or simply to conform to international flight timetables and avoid a further night's accommodation, are forced to depart while the GA is still in session. Any change to this is also not a matter that would require a change to the FIG Statutes.

**Brian J Coutts**

Chair

FIG Working Group on Voting Rights

24 February 2012



## FIG working group on voting rights

### Report

### Historic part



## FIG March 2012

### Preamble

During FIG Working week in Marrakech in May 18-22 a discussion about the voting system in FIG took place in a Break Out session on Friday 20 May.

The outcome of the Break Out session and the discussion on the General Assembly was the creation of a working Group to prepare a Report to be subject for discussion during the Working Week in Rome 2012.

The working Group on Voting Rights was formed shortly after Marrakech and the members is listed in Appendix 1.

On basis of studies in the Archives in various member Countries, contributions in Marrakech, Contributions from the members of the working Group this Report has been made.

It covers the discussion and papers so far and it is the intention that it should support the debate and decision concerning the voting procedures in FIG

3. March 2012

Henning Elmstroem  
Vice Chair of the Working Group



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Enclosures:

- ~~1) FIG Working Group on voting rights. List of members~~
- ~~2) The working background for the WG of July 10 2011~~
- ~~3) Notes of the Break out session on Voting Rights, Marrakech 2011~~
- ~~4) List of the number of FIG members - Historical overview.~~
- ~~5) 64 PC meeting in Singapore May 1997, Minutes (extract)~~
- ~~6) President letter of 22. April 1998~~
- ~~7) Treasurer letter of 22. April 1998~~
- ~~8) Secretary General letter of 21 May 1998~~
- ~~9) Considerations by the meetings in Brighton, Agenda Item 16~~
- ~~10) Letter from Germany dated 2. July 1998~~
- ~~11) Letter from France dated June 19, 1998~~
- ~~12) Minutes from the 21 FIG GA in Brighton dated 29 September 1998~~
- ~~13) Minutes from FIG GA Israel 2009 – Item 21.~~
- ~~14) Minutes from FIG GA Marrakech May 2011 – Item~~
- ~~15) letter from Germany dated 29 august 2011~~
- ~~16) participation of member organizations , 2012-0112~~
- ~~17) Extract 21 July 1998 from Brighton~~
- ~~18) FIG Working Group on Voting Rights- Commissioning notes.~~

## **Chapter 1 Introduction**

As a result of the discussions by the 2011 General Assembly the GA decided to form a Working Group on Voting Rights.

The timetable is:

- 31 January 2012 Discussion paper to be finalized and provided to the Council.
- 28 February Council notes the paper and clarifies any points of procedure and information with the Chair of the WG
- Mid-march 2012 Discussion paper and Council covering note (including any proposed changes to FIG statutes and Internal Rules, if the WG has reached consensus on this) are published with the GA papers.

The work of the WG is to bring a discussion paper on voting rights to the 2012 General Assembly. It is for the WG to determine the work that is required to achieve this, whilst noting that relevant issues include:

- Any weighting of votes
- Any inclusion of votes by members other than Member Associations – if so, with what weight and on what topics
- What (if any) changes to the FIG Statutes and Internal Rules are necessary to implement the WG's recommendations

## **Chapter 2 FIG History of voting procedures**

FIG was founded on July 18, 1878 in Paris.

The first statutes was drawn up in 1926 and revised at the 7th PC meeting in 1933 in Rome and approved in London on July 18 1934.

In 1949 the 1934 Statutes were revised in Lausanne.

In 1958 there was a revision of the Statutes, but to our knowledge no change of the voting system. In 1967 in Ottawa the 1958 Statutes were revised and it was printed in a special pamphlet and it was also printed in the proceedings of the XIII Congress in Rome.

These statutes from Rome 1967 were only slightly revised as it was stated in 1985 in Katowice, Poland. We have no indication of major changes in between.

In 1986 the Statutes was printed in English, German and French and this version lasted until the 1998 Congress in Brighton, England

For further detailed information as from 2001 look at FGI website – Administration

An overview of the discussion and papers presented in the discussion from 1986 until today will be given as follows:

Statutes	Voting rules and decisions	Comments
<p>1986 Statutes adopted by the 18th General Assembly</p>	<p>Article 21 Save for any specific directions to the contrary in the Statutes, all decisions of the General Assembly shall be taken by a simple majority vote. In the case of an even vote the President shall cast the deciding vote</p> <p>Article 22 Voting shall be by one vote per member or by one vote per country if there are several members from a single country. It shall be taken by a show of hands, unless a ballot is requested.</p> <p>Article 23 Decisions on matters of routine administration shall require a simple majority vote of members present. Decisions on the appointment of Honorary President and Honorary members or the exclusion of a member of the Federation shall require a three-quarters majority vote of members present.</p> <p>Article 25 The Permanent committee is the administrative Council of the Federation. It is composed of members of the Bureau, delegates from the member Associations, the Chairmen of the Technical and Scientific Commissions and the ad hoc Commissions as well as the Chairmen og the Permanent Institutions, the Auditors, Honorary presidents and honorary members.</p> <p>Article 26 The functions of the permanent Committee in particular are: (A) To make proposal to the General Assembly about the administration.. (B) To decide – on the proposal from the Bureau - the place, date and agenda for Congresses, and meeting of the Permanent Committee (C) To appoint, on the proposal from the Bureau.. the Chairmen and vice-chairmen of the Technical and Scientific commissions ...</p>	<p>One country One vote If more than one association in a Country they must cooperate on a unanimous vote.</p> <p>A huge Group</p> <p>The decisions about the daily business not in the General Assembly</p>
<p>1997</p>	<p>In the beginning of 1997 FIG Bureau had proposed changes in the subscription structure to be on the agenda as Topic 26 in Singapore later 1997</p> <p>Germany – President Hans Josef Platen comments on March 25 telling that</p>	

	<p>“DVW welcomes the introduction of a subscription depending on the number of members”</p> <p>Concerning the Voting structure it is noted that the FIG “Bureau obviously no longer wants to keep to its principle of “one country-one vote” (see enclosure FIG (PC)P(97), page 2, statutes 6.6.”</p> <p>It is underlined that DVW thinks that this development goes in the wrong direction. If the Bureau does not keep to the present principles (one country-one vote) “ we see the danger that more organizations will be founded in countries with a lot of members.”</p> <p>The FIG president Peter Dale replies 3<sup>rd</sup>. April 1997: “ Firstly, with regard to one-country-one-vote it was certainly my view that this was desirable. When we undertook the review of all Statutes and Internal Rules we realized that this would mean that individual members associations would not necessarily be entitled to a vote, even though were responsible for paying their own membership subscription. It seemed on balance only fair that those who pay can vote. If we continue to accept the varied definitions of a Surveyor that FIG has previously agreed, then inevitably there will in some countries be more than one member association. The current trend in eastern Europe for example is for separate associations of Valuers and land Surveyors. If FIG is to broaden its membership then these differences must be accommodated.</p> <p>There is a conflict between FIG as a federation of member associations and FIG as a federation of countries. In some cases (UK, Germany, France) that comes to the same thing but it is premature to force a unified profession on some merging countries, let alone in countries such a the United States. My fear is that by pursuing the principle og one-country-one-vote we will exclude sectors of our profession that we claim to represent.”</p> <p>And Germany replies 14. April 1997: “ I can understand your ideas regarding to the voting structure. But I think that we are all Surveyors in the Various fields of our profession and therefore should try in all countries as well as in FIG to come together to one association , may be an umbrellas-association”</p> <p>21 April 1997 Jane Wolley Bureau Director sent out a preparing letter for the 1997 Permanent Committee</p>	
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	<p>meeting stating that papers in support of agenda Item 26 (subscription structure)</p> <p>It is noted that the exchange of letters between the President of FIG and The President of DVW, Germany are attached.</p> <p>On April 1997 two letters were sent out (see enclosure 6 and 7) from president Peter Dale and Treasurer Michael Rainbird</p> <p>The discussion in the letter from Peter Dale was generated to</p> <ol style="list-style-type: none"><li>1. Any association which meet the Criteria for admission should be able to join FIG</li><li>2. votes should continue to be exercised by member associations</li><li>3. the only exception to weighed voting should be the granting of one extra vote to a member association with more than 4.000 members.</li></ol> <p>And reflecting the debate – Unfortunately short – The PC (Permanent Committee) was in favor of (1). On (2) the majority were in favor of votes being exercised by Country rather than by member association. On (3) only a minority of delegates, mainly from the larger member associations, expressed a preference for weighted voting</p> <p>In his letter of 22 April 1997 President Peter Dale concludes on the PC meeting: ( see enclosure 6)</p> <p>“The view was expressed in Singapore that voting by country would enhance the perception of FIG as speaking on behalf of the profession in particular countries and thus strengthen FIG’s international credibility.” After careful consideration the Bureau has decided that it is unable to share that view”</p> <p>And further concerning the fee structure the Bureau supports the proposal giving any member organization with more than 4.000 members an additional vote</p> <p>The other letter - from the Treasurer – presents the proposals for the fee introducing a sliding scale related to the number of members having more than 4.000 members</p> <p>The treasurer notes that no comments has been received since the PCC meeting in Singapore and the Bureau therefore has decided to seek the approval from the General Assembly</p>	
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<p>1997</p>	<p>On the 64 th. meeting of the Permanent Committee held in Singapore 12-15 may 1997 the question about the Subscription Structure and the Statutes and Internal Rules was on the table</p> <p>The draft for the Statutes and Internal Rules tells in paragraph 6.6 The number of votes which may be cast by a member organization is one, except that any member association having more members than a number set by the General Assembly shall be entitled to one additional vote. (enclosure 5)</p> <p>From the minutes Item 30. Statutes and Internal rules (FIG(PC)P()/21)</p> <p>Vice President Grahame Lindsay sought the guidance of the PC, to assist with the preparation of a final and potentially acceptable draft for which approval would be sought in 1998</p> <p>From the discussion can be seen The PC debated the alternatives of votes being cast by member associations or by country and votes by a substantial majority in favor of the latter.</p> <p>Equal or weighted voting was debated too and ...Sixteen delegations (mainly from the smaller member associations) were in favor of each vote having equal value and nine delegations expressed a preference for weighted voting.</p>	
<p>1998 The Congress in Brighton, England</p>	<p>In the preparation period the Treasurer and the President sent out a letter 22 April 1998. Enclosure number 6 and 7</p> <p>In the letter from the Secretary General 21 May 1998 is: .. To assist this process (decisions) the proposed new draft FIG statutes and Internal Rules and the proposed new subscription structures have already been Circulated (the President´s and the Treasurers letters of 22 April) ...</p> <p>And the Agenda tells: 20. Subscription Structure Preliminary discussion based on the Treasurer´s letter dated 22 April 1998 to member associations, Commission Officers, Directors of permanent institution, correspondents and sponsors – <b><u>please bring your copy with you.</u></b></p> <p>And further</p>	

	<p>21. Statutes and Internal rules Preliminary discussion based on the drafts circulated under cover of the President's letter dated 22 April 1998 to member associations, Commission Officers, Directors of permanent institution, correspondents and sponsors – <b><u>please bring your copy with you.</u></b></p> <p>The final discussion on Item 20 and 21 was placed later in Item 26 Subscription structure and 27 Statutes and Internal rules.</p> <p>As mentioned earlier the first edition of the Agenda and most of the supporting papers were sent out.</p> <p>The preparation for the discussion was made in a paper FIG(GA)P(98)16 15 May 1998 (see enclosure 9) for consideration by the meetings in Brighton.</p> <p>Item 4 Number of members of a member association Has the following comments: The Bureau invites the General Assembly to agree that this should be 4,001 upwards</p> <p>On June 19<sup>th</sup> 1998 France – President Michael Mayoud - addressed a letter to the Bureau and to all delegations of FIG telling that (see enclosure 11) Concerning Voting rights the views is summed up by stating: “ As already expressed by the 64<sup>th</sup> PC , let's therefore keep to one vote per country - .. and only one vote whatever are the size of the country ..”</p> <p>Later 21. July 1998 an Explanatory paper was sent out for review by the delegations prior to the paper being considered at the second session of the General Assembly on 25 July 1998. As requested by the leader of the German delegation, a copy of its letter to the Bureau dated 2 July is also attached.</p> <p>Please note that this paper was released during the General Assembly between the first and second session of the General Assembly.</p> <p>As can be seen in enclosure 17 the Bureau in the paper from 21 July proposes : One vote per member association except that any member association having more members than a number set by the General Assembly shall be entitled to one additional vote.</p>	<p><i>Telling that more than one vote is possible</i></p>
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	<p>The German letter from 2 July 1998: Germany was of the opinion that the discussion about “one country – one vote” as a recommendation for Brighton was concluded.</p> <p>Since this is not the case Germany would like that number of members to be taken into account. A proposal 0-1500, 1501-5000, more than 5000 is forwarded. The reason is according to the German letter: The aim of this proposal is to encourage the willingness to form national umbrella organizations; a development that will greatly benefit the public image of our profession. The motion is put forward in the letter.</p> <p>The General Assembly in Brighton The Minutes was sent out 29 September 1998 (see extract in enclosure 12)</p> <p>From the discussion in the General Assembly session two on Saturday 25 July 1998: The Bureau support the adoption of the Statutes and Internal Rules that was attached to the paper circulated earlier in the week (21 July 1998)</p> <p>A motion by France on one country one vote was defeated. The motion from Germany in the letter of 2 July 1998 of giving certain member organizations a second vote was removed.</p> <p>These few lines in the minutes concluded a long and arduous debate and it leaves behind an impression that the discussion had deserved more thorough minutes.</p> <p>In the Minutes is referred to FIG publication number 18 See below</p>	<p><i>Invention of One vote per member organization making it possible to have more than one vote per Country</i></p>
	<p>After the Congress in Brighton FIG publication number 18 , September 1998 was sent out. The chapter about the Governance of the Federation is stated below.</p> <p>6.1 The Federation is governed by its General Assembly of member associations which shall meet once each calendar year. The meetings of the General Assembly should be held at intervals of about 12 months but must be no closer than nine months apart, except in the case of an extraordinary meeting.</p> <p>6.2 Meetings of the General Assembly are presided over</p>	



	<p>by the president of the Federation or, in his or her absence, by one of the vice presidents. A full agenda, with motions for each item to be put to the meeting, shall be sent out at least two months prior to each meeting and shall also be placed on the Federation's home page on the World Wide Web.</p> <p>6.3 The powers of the General Assembly are to amend the Statutes of the Federation</p> <ul style="list-style-type: none"><li>• to admit member associations and to appoint honorary presidents and honorary members</li><li>• to elect members and to confirm appointments to the Council and to approve the responsibilities delegated to each of its members</li><li>• to set levels of fees for the member associations</li><li>• to establish commissions, ad hoc commissions, permanent institutions and task forces and to elect chairs and vice chairs of the commissions and directors of the permanent institutions</li><li>• to adopt plans of work, budgets and audited statements of accounts</li><li>• to prescribe Internal Rules</li><li>• to expel member associations</li><li>• to do all such other matters as the Federation sees fit for the achievement and promotion of its objectives.</li></ul> <p>6.4 For a General Assembly to be constitutionally valid, there must be present at least one individual member of at least one third of the member associations. An individual member may represent only one member association.</p> <p>6.5 All decisions of the General Assembly shall be taken by simple majority vote. Only member associations which have paid their fees for the previous calendar year and have no other arrears and which are represented at the meeting by an individual member shall be entitled to vote. Each member association shall nominate an individual member who shall be authorized to cast that member association's vote at any meeting or extraordinary meeting of the General Assembly.</p> <p>6.6 The number of votes which may be cast by a member association is one.</p> <p>6.7 The vote shall be taken by a show of hands unless a ballot is ordered by the chairperson or requested and seconded from the floor. Elections should always be by ballot. In the case of an equality of votes the chairperson shall cast the deciding vote except in the case of elections to office where the final decision will be made by</p>	
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	<p>selecting a name by blind ballot.</p> <p>6.8 The Council or one quarter of the member associations can demand the convening of an extraordinary meeting of the General Assembly. The period of notice, quorum and voting procedures for an extraordinary meeting shall be the same as those for the General Assembly.</p>	
2000	Amendments to the Statutes but not concerning the voting	
24th FIG General Assembly, Seoul 2001	<p>6.5 All decisions of the General Assembly shall be taken by simple majority vote. Only member associations which have paid their fees for the previous calendar year and have no other arrears and which are represented at the meeting by an individual member shall be entitled to vote. Each member association shall nominate an individual member who shall be authorized to cast that member association's vote at any meeting or extraordinary meeting of the General Assembly.</p> <p>6.6 The number of votes which may be cast by a member association is one.</p> <p>6.7 The vote shall be taken by a show of hands unless a ballot is ordered by the chairperson or requested and seconded from the floor. Elections should always be by ballot. In the case of an equality of votes the chairperson shall cast the deciding vote except in the case of elections to office where the final decision will be made by selecting a name by blind ballot.</p> <p>6.8 The Council or one quarter of the member associations can demand the convening of an extraordinary meeting of the General Assembly. The period of notice, quorum and voting procedures for an extraordinary meeting shall be the same as those for the General Assembly.</p>	<p>Complete set of Statutes, Internal rules e.t.c. adopted in Seoul</p> <p>6.6 No change from 1998</p>
30th General Assembly,	That the General Assembly adopts proposed changes to Statutes and Internal Rules and notes that a thorough revision of the Statutes, Internal Rules and other guidelines will be prepared for the General Assembly in 2008.	Hong Kong SAR, China 2007
31st General Assembly, Stockholm, Sweden 2008	6.5 All decisions of the General Assembly shall be taken by simple majority vote. Only member associations which have paid their fees for the previous calendar year and have no other arrears except minor transaction costs and which are represented at the meeting by an individual member shall be entitled to vote.	.

Minutes	Each member association shall notify the Director in writing of the name of their official representative or representatives at or prior to the General Assembly.  Amendment proposed to make it clear that member associations must advise the Director of the name of their voting delegates in advance to the General Assembly	
	6.6 A member association may only cast one vote on each issue.	6.6 No change
	6.7 The vote shall be taken by a show of hands unless a ballot is ordered by the chairperson or requested and seconded from the floor. Elections shall always be by ballot. In the case of an equality of votes the chairperson shall cast the deciding vote except in the case of elections to office where the final decision will be made by selecting a name by blind ballot.	

### Present statutes

STATUTES (Approved by the General Assembly on 11 May 2001, amendments to paragraphs 5.5 and 6.3.3 approved by the General Assembly 13 May 2007)

#### 6.0 GOVERNANCE OF THE FEDERATION

6.1 The Federation is governed by its General Assembly of member associations which shall meet once each calendar year. The meetings of the General Assembly should be held at intervals of about 12 months but must be no closer than nine months apart, except in the case of an extraordinary meeting.

6.2 Meetings of the General Assembly are presided over by the president of the Federation or, in his or her absence, by one of the vice presidents. A full agenda, with motions for each item to be put to the meeting, shall be sent out at least two months prior to each meeting and shall also be placed on the Federation's home page on the World Wide Web.

6.3 The powers of the General Assembly are

- 1) to amend the Statutes of the Federation
- 2) to admit member associations and to appoint honorary presidents and honorary members
- 3) to elect members and to confirm appointments to the Council (adopted by General Assembly 13 May 2007)
- 4) to set levels of fees for the member associations
- 5) to establish commissions, ad hoc commissions, permanent institutions and task forces and to elect chairs and vice chairs of the commissions and directors of the permanent institutions
- 6) to adopt plans of work, budgets and audited statements of accounts
- 7) to prescribe Internal Rules
- 8) to expel member associations

- 9) to do all such other matters as the Federation sees fit for the achievement and promotion of its objectives.

6.4 For a General Assembly to be constitutionally valid, there must be present at least one individual member of at least one third of the member associations. An individual member may represent only one member association.

6.5 All decisions of the General Assembly shall be taken by simple majority vote. Only member associations which have paid their fees for the previous calendar year and have no other arrears and which are represented at the meeting by an individual member shall be entitled to vote. Each member association shall nominate an individual member who shall be authorised to cast that member association's vote at any meeting or extraordinary meeting of the General Assembly.

#### **6.6 The number of votes which may be cast by a member association is one.**

6.7 The vote shall be taken by a show of hands unless a ballot is ordered by the chairperson or requested and seconded from the floor. Elections should always be by ballot. In the case of an equality of votes the chairperson shall cast the deciding vote except in the case of elections to office where the final decision will be made by selecting a name by blind ballot.

6.8 The Council or one quarter of the member associations can demand the convening of an extraordinary meeting of the General Assembly. The period of notice, quorum and voting procedures for an extraordinary meeting shall be the same as those for the General Assembly.

## **2-B Summary about the Statutes**

FIG moved from one country one vote in 1998 on basis of a discussion held during 1997 and 1998. The various views are expressed above showing different views on one country-one vote of one vote per association. The proposal about additional votes was rejected although presented by the Bureau.

Since 1998 FIG has developed significantly. The number of members has grown from 53 countries in 1987 to more than 100 member organizations and 90 member countries. FIG has become truly worldwide covering Africa and Asia and South America. The fee system supports the membership from low-income countries.

The tendency to enhance the political power in many countries reduces the number of organizations often to one umbrella organization for all surveyors in the Country. In new member countries it is seen that it takes time to coordinate and combine the effort of different organizations to one. The present number of countries having more than one member organization is 16. ~~See page 18~~

## **2C ~~Voting about?~~**

~~According to the present statutes FIG general Assembly:~~

~~In former times the most important decision was the venue for the next Conference.~~

## Participation of Member Associations of FIG in the General Assemblies

Analysis made by the Portuguese member of FIG, the “Colégio de Engenharia Geográfica da Ordem dos Engenheiros”.

### 1. INTRODUCTION

The General Assembly meeting of FIG member associations governs the Federation. The General Assembly, with the format followed nowadays, was established in the 62<sup>nd</sup> Permanent Committee meeting, held in Berlin in 1995. In this meeting it was decided to combine the functions of the “Permanent Committee” and the “General Assembly” in a “General Assembly” that would meet annually, during the FIG Congress/Working Week. This important change, as well as the rule “one association one vote”, was adopted during the General Assembly of Brighton Congress, in 1998.

According to “FIG Statutes, Internal Rules and Guidelines” the voting rule is one vote per member association: “Each member association shall nominate an individual member who shall be authorised to cast that member association’s vote at any meeting or extraordinary meeting of the General Assembly”<sup>1</sup> and “The number of votes which may be cast by a member association is one”<sup>2</sup>. It shall meet once each calendar year, except in the case of an extraordinary meeting.

Since the 1998 General Assembly, there are no restrictions on the number of national associations per country. The General Assembly can be “divided” into several sessions and the Council<sup>3</sup> advises on the exact number and duration of the sessions<sup>4</sup>. The General Assembly has been divided into two sessions, the first one on the first day of the Congress/Working Week, the second on its last day.

Concerning the votes and decisions, “All decisions of the General Assembly shall be taken by simple majority vote. Only member associations which have paid their fees for the previous calendar year and have no other arrears and which are represented at the meeting by an individual member shall be entitled to vote”<sup>1</sup>. “For a General Assembly to be constitutionally valid there must be present at least one individual member of at least one third of the member associations”<sup>5</sup>.

In FIG General Assembly of 2011, that took place in Marrakesh, a discussion took place on changing the rule “The number of votes which may be cast by a member association is one”. The system under discussion is: “should associations with more members have more votes?”.

In this report, an analysis of the participation of member associations in the General Assemblies is made. The data used in this analysis is the one available in the FIG website: the list of member associations that participated in the General Assemblies of 2000 to 2011, and the number of members of each association (data concerning the year of 2010). Each Assembly has had two sessions, which leads to two roll calls. Sometimes some associations participate only in one of the sessions. To simplify the analysis here presented the following rule will apply: where an association participates in only one of the sessions in that year, it will be counted in this document as a full participation. Also, in this document “General Assembly” will be called solely “Assembly”.

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<sup>1</sup> From paragraph 6.5 of FIG Statutes.

<sup>2</sup> From paragraph 6.6 of FIG Statutes.

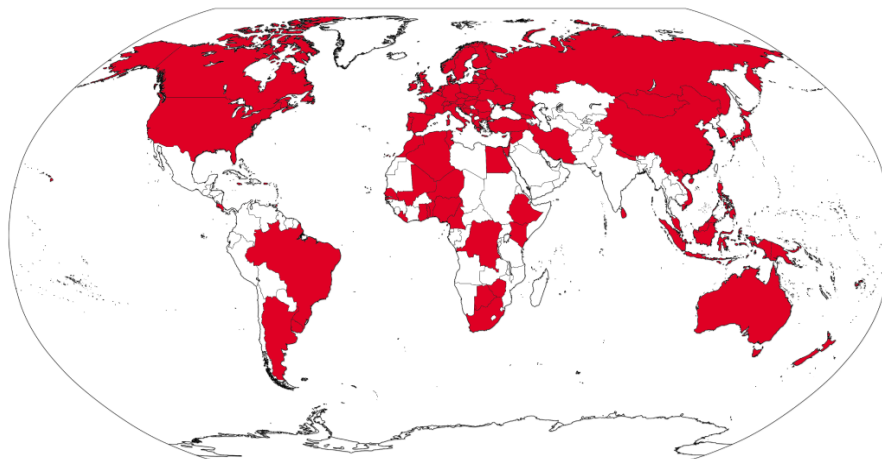
<sup>3</sup> The Council is composed of the president of the Federation and four vice presidents. Additional ex-officio (non-voting) members of the Council may be appointed by the General Assembly. These will include the Director of the Office, an ACCO representative and the Director of the next Congress. The responsibilities of the Council members are the leadership and executive management; promotion of profession; member support; event development; global development.

<sup>4</sup> From paragraphs 2 of FIG Guidelines on Organising Congresses and FIG Guidelines on Organising Working Weeks.

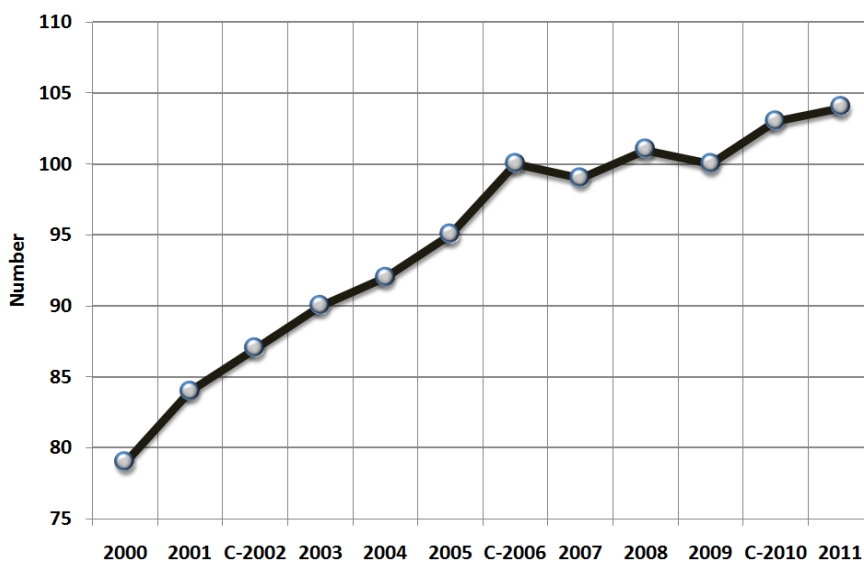
<sup>5</sup> From paragraph 6.4 of FIG Statutes.

## 2. MEMBER ASSOCIATIONS OF FIG. CHARACTERISTICS

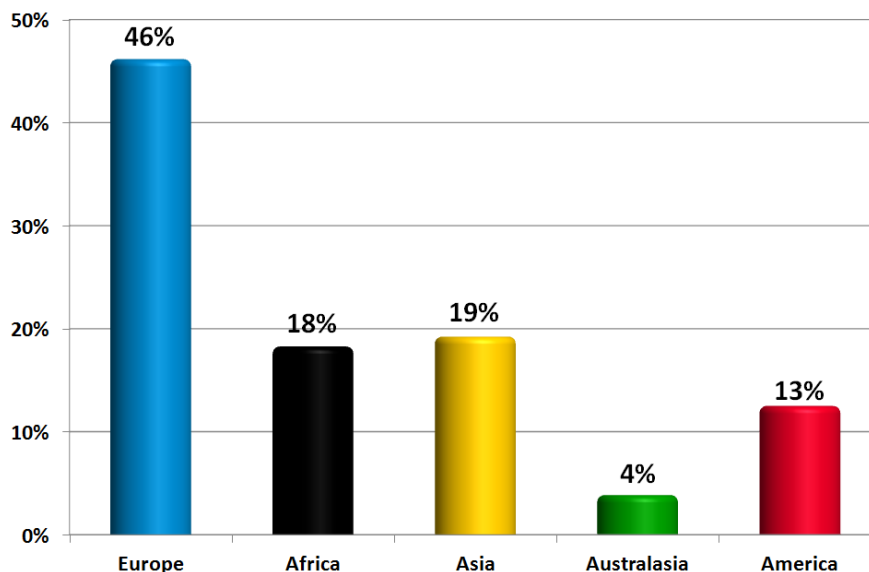
The distribution of FIG members can be seen in Figure 1 (data from 2011 June). The number of members of FIG is increasing, as seen in Figure 2. In this Figure, and in some of the following ones, the years of the Congresses (2002, 2006 and 2010), are identified with a letter C before the year.



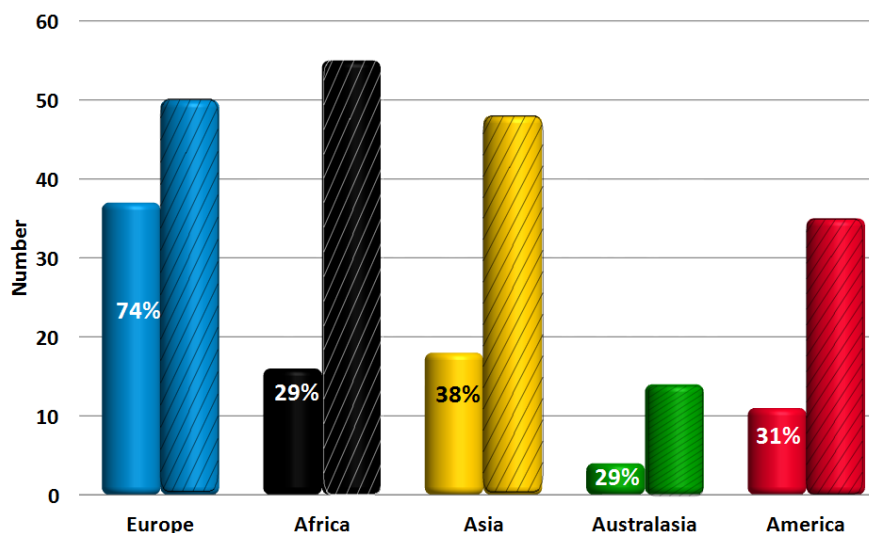
**Figure 1 – Countries with a national association member of FIG**



**Figure 2 – Variation of the number of associations**



**Figure 3 – Distribution of the member associations by continent (2010)**



**Figure 4 – Number of countries with at least one association at FIG (2010).**

The majority of the associations are European (Figure 3). In Figure 4 is presented, in number and percentage, the countries that have at least one association member of FIG. For instance, 74% of the European countries have associations that are members of FIG.

In the last 11 years Africa is the continent with the larger number of new associations at FIG (see Figure 5). The opposite situation is happening with American associations: after an increasing number in the period 2000-2006, that number is diminishing over the last few years. Australasia has maintained its number of members. In percentage, the results are presented in Figure 6. The numbers of admissions, expungements and resignations since 1999 are presented in Figure 7.

Getting the coordinates of the cities where the associations have their offices, is easy to establish, by year, the “centre” of FIG on the surface of the world, a simple average of the coordinates. The “centre” has been “moving” near the border of Egypt and Libya, as seen in Figure 8. It is difficult to explain the direction of the displacement of the points, since it depends of the location of the members admitted and expelled in each year. Perhaps the situation less difficult to explain is the displacement in the “North” direction in 2001: about 50% of the displacement in the north direction is due to the entrance of a new member from a northern region: Finland.

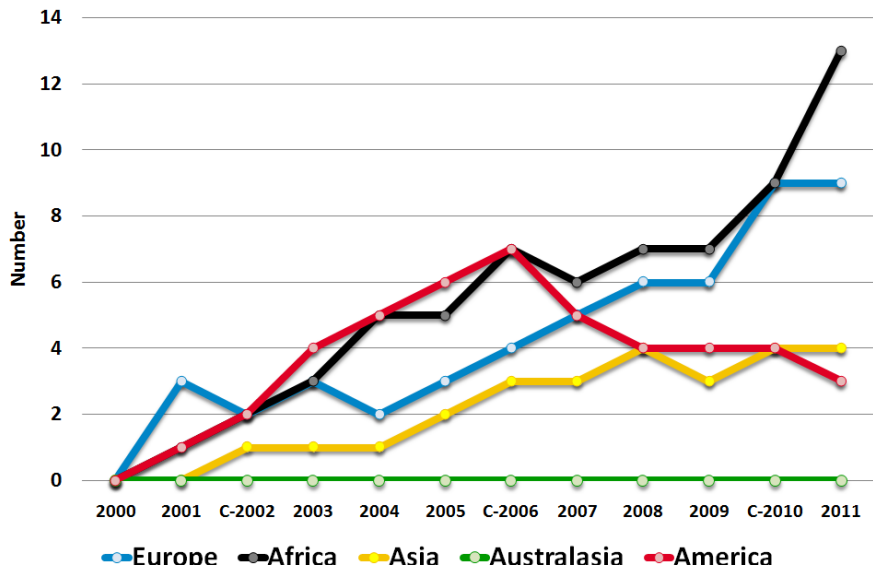


Figure 5 – Variation of the number of associations members since 2000

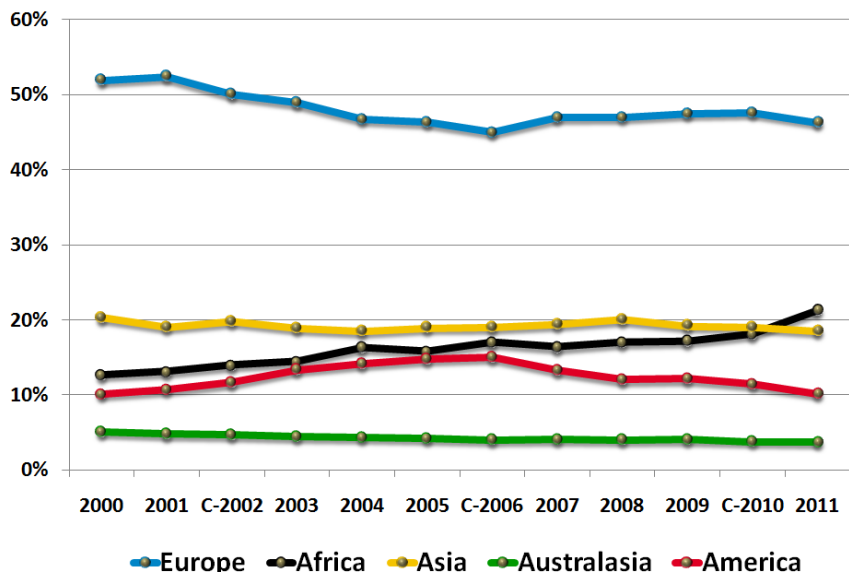


Figure 6 – "Weight" of the continents inside FIG

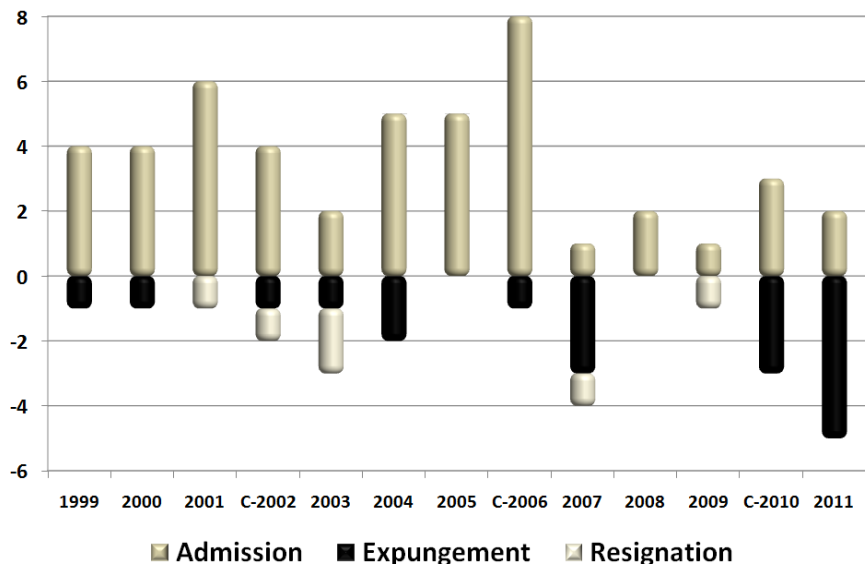


Figure 7 – Number of admissions, expungements and resignations



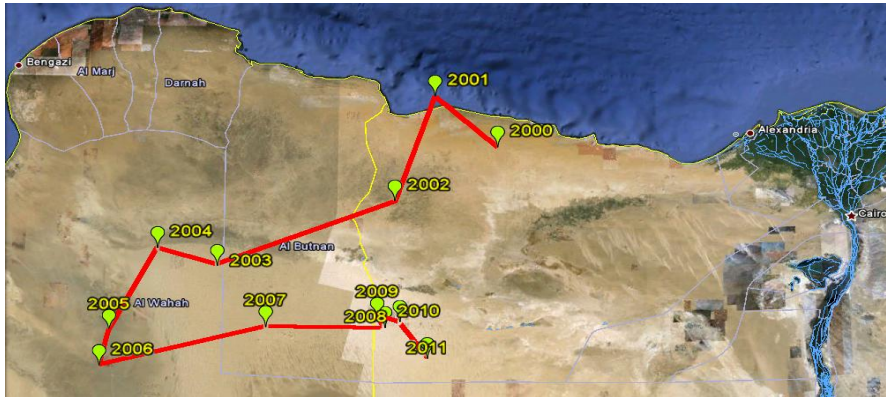


Figure 8 – The “centre” of FIG

The majority of the associations have a small number of members. Distributing the associations by classes according with the number of members of each association, the majority (80%) of the associations have less than 1000 members (see Figure 9, members of the year 2010; in parentheses the number of members). In 2010 the association with the least number of members was the *Botswana Surveying and Mapping Association* (23 members); the associations with a larger number of members, more than 10000, were the *Consiglio Nazionale Geometri e Geometri Laureati* (Italy) and *The Royal Institution of Chartered Surveyors* (United Kingdom). The number 5500 (frontier between classes E and F) was chosen because all the associations with more than 5500 members pay the same fee (the maximum fee).

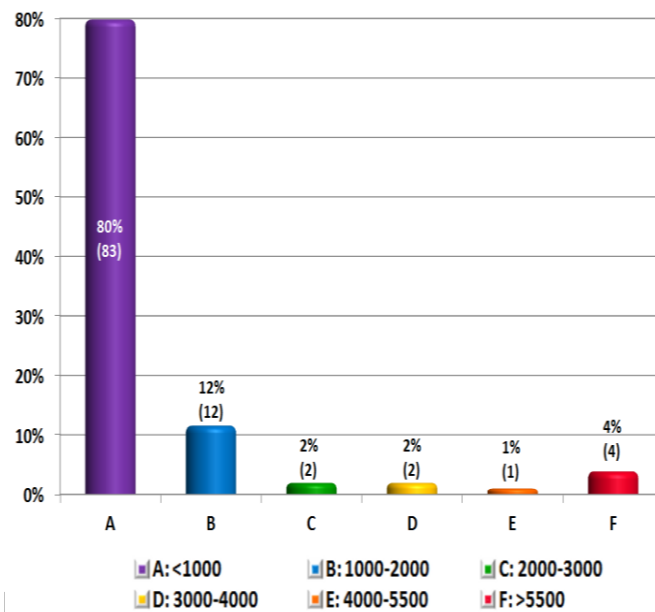


Figure 9 – Percentage of associations in each of the classes A to F

### 3. THE PARTICIPATION IN ASSEMBLIES

The number of associations that participate in the Assemblies is variable (see Figure 10), and it is noticeable that the Assemblies of the years of the Congresses (this is the Assemblies of 2002, 2006 and 2010), gather more associations.

As stated in the introduction, each Assembly has two sessions. For this reason there are two roll calls. In every Assembly some associations participate in only one of the sessions. The number of associations that participate only in one session varies from year to year, as seen in Figure 11.

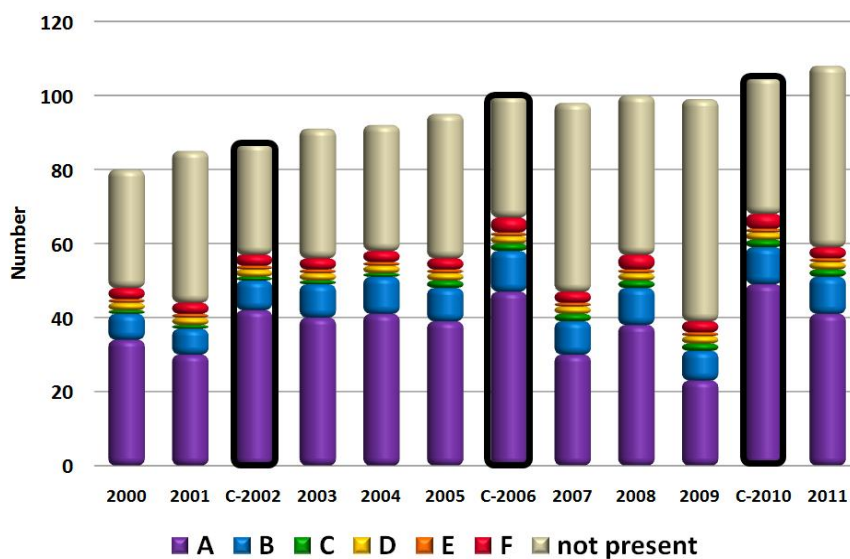


Figure 10 – Number of associations present in each Assembly

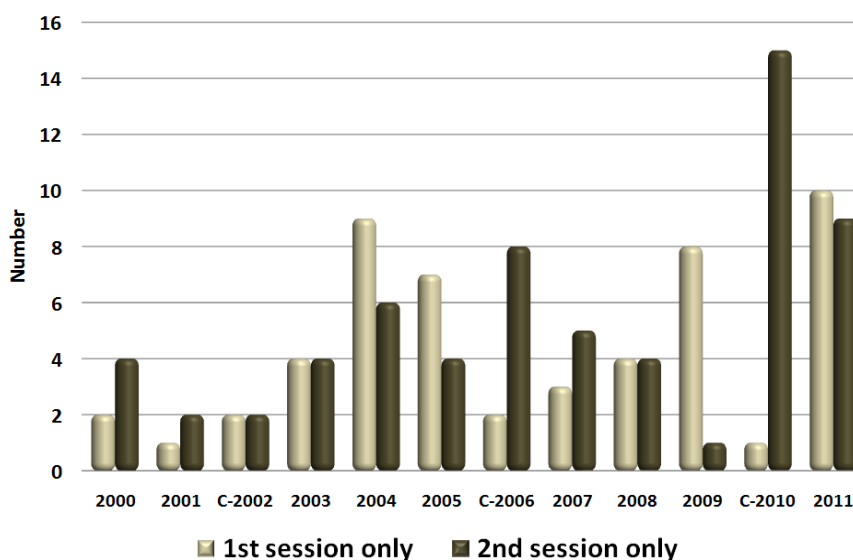


Figure 11 – Number of associations that participate in only one session

#### 4. VOTING

According to FIG rules each association member has the right to one vote. Other members of FIG – affiliates, corporate members, academic members, correspondents and honorary presidents – cannot vote. It is under discussion the possibility of: i) associations with more members to have more votes; and ii) giving a vote for the group “Corporate Members”<sup>6</sup>.

In this analysis six different voting rules will be considered:

1. Rule 1.  $A+B+C+D+E+F$ : Each association has one vote. This is the rule established in 1998 and still in use;
2. Rule 2.  $A+2*(B+C+D+E)+3*F$ : Each association of group A would have one vote, each association of groups B to E would have two votes and each association of group F would have three votes;
3. Rule 3.  $A+B+2*(C+D+E)+3*F$ : Each association of group A and B would have one vote, each association of groups C to E would have two votes and each association of group F would have three votes;
4. Rule 4.  $A+2*(B+C+D)+3*(E+F)$ : Each association of group A, would have one vote, each association of groups B to D would have two votes and each association of group E and F would have three votes.
5. Rule 5.  $A+B+C+D+E+F + CM(1)$ : Equal to Rule 1 plus one vote to the corporate members.
6. Rule 6.  $A+B+2*(C+D+E)+3*F + CM(1)$ : Equal to Rule 3 plus one vote to the corporate members.

The six groups here referred – A to F – presented before (see Figure 9), reflect the number of members of each association (Table 1).

**Table 1 – Number of members by each group**

Group	N.º members (limits)	Group	N.º members (limits)
A	25 - 999	D	3000 - 3999
B	1000 - 1999	E	4000 - 5499
C	2000 - 2999	F	>= 5500

In the next paragraphs are shown, graphically, the percentage of votes of the groups in the Assemblies, from 2000 until 2011, according with different voting rules and the presence of the associations in the sessions of the Assemblies. Rule 1 also expresses the percentage of participation of each group in each Assembly. In the analysis it was considered that each association present in each session could vote<sup>7</sup>.

The graphs presented in the following pages are divided into three groups. In the first group (paragraph 4.1) the associations are gathered according to the number of members of each association, following the rule presented in Table 1. In the second group (paragraph 4.2) the associations are gathered by continent, where the number of members of the associations is also considered. In the third group of graphs (paragraph 4.3) the associations are gathered by income, whereby the number of members is also taken into account. In groups two and three is only presented the application of rule 1 and rule 3.

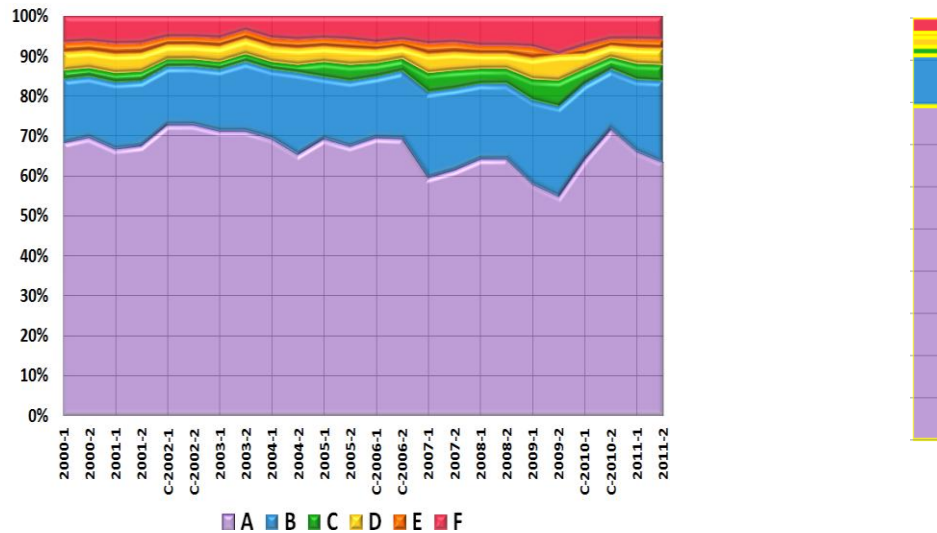
<sup>6</sup> Corporate member: an organisation, institution or agency which provides commercial services related to the profession of surveyor. FIG Statutes: Point 3.1.

<sup>7</sup> In fact, according to the paragraph 6.5 of FIG statutes, “only member associations which have paid their fees for the previous calendar year and have no other arrears and which are represented at the meeting by an individual member shall be entitled to vote”. Since 2009 the list of member associations that are not allowed to vote is appended to the Assemblies agendas and is published on FIG website some time before the conferences.

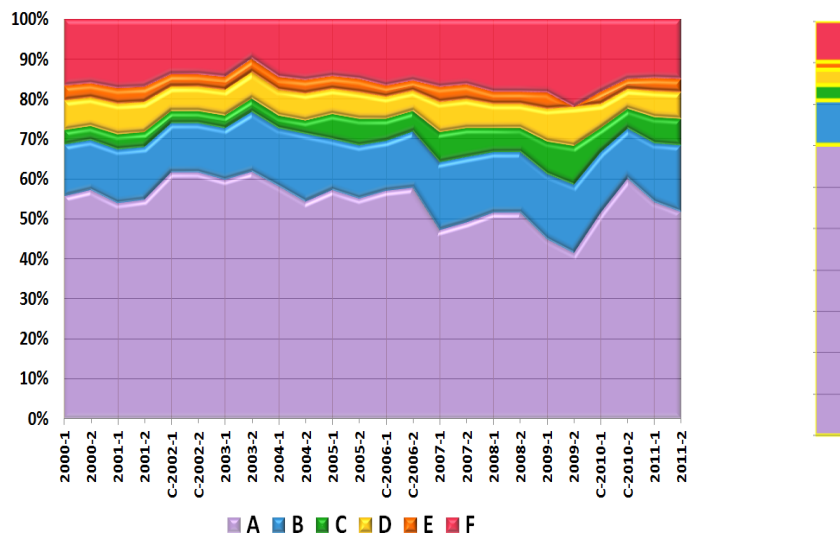
### 4.1 Effects of changing the voting rules

In the next Figures are presented several graphs that show the “weight” of each of the six groups in each session of each assembly of the period under analysis. The column to the right of each graph represents the average of the values that would be calculated if all of the association members participated in the Assemblies.

**Figure 12**  
Rule 1  
 $A+B+C+D+E+F$

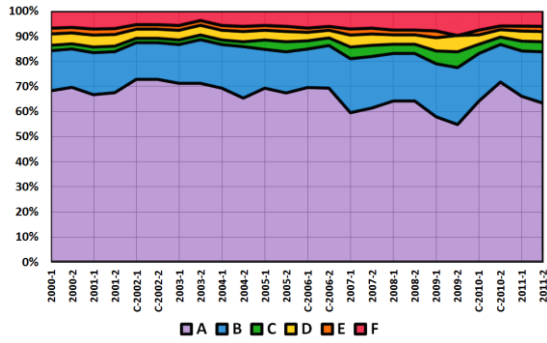


**Figure 13**  
Rule 3  
 $A+B+2*(C+D+E)+3*F$

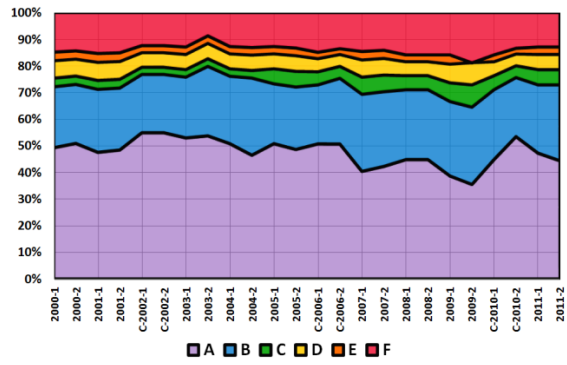


In Figure 14 are included the graphs of the six rules referred.

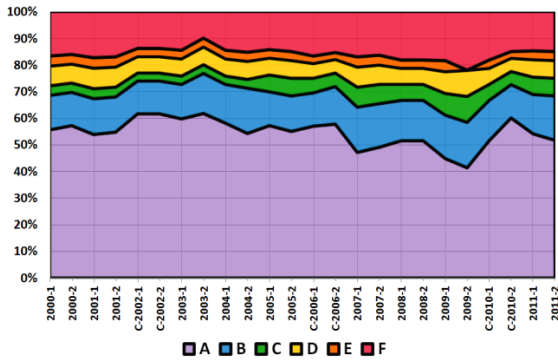
A comparative analysis of Rules 1 and 3 are presented in Figure 15: the black lines are the results of applying Rule 3; the background area presents Rule 1. Rule 3 diminishes the “importance” of group A associations.



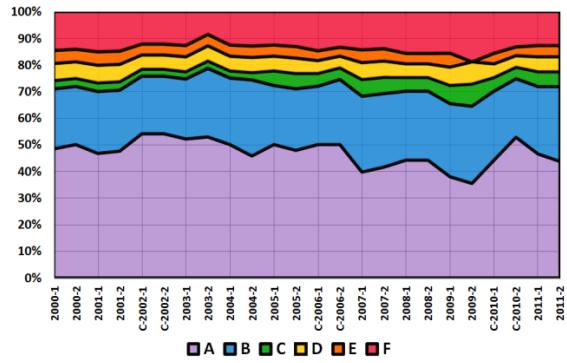
Rule 1:  $A+B+C+D+E+F$



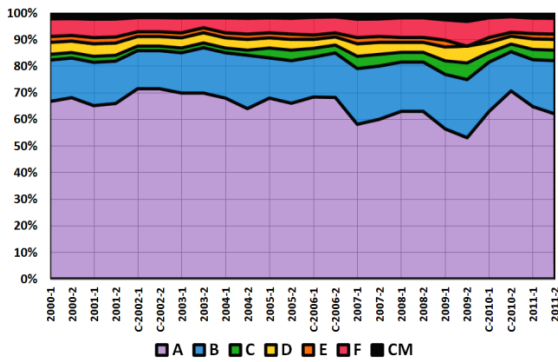
Rule 2:  $A+2*(B+C+D+E)+3*F$



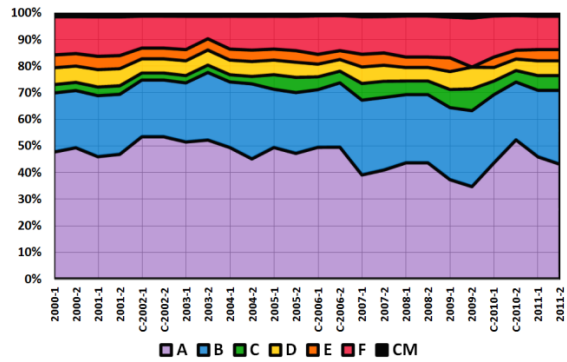
Rule 3:  $A+B+2*(C+D+E)+3*F$



Rule 4:  $A+2*(B+C+D)+3*(E+F)$



Rule 5:  $A+B+C+D+E+F + CM(1)$



Rule 6:  $A+B+2*(C+D+E)+3*F + CM(1)$

Figure 14 – Graphs of the six rules

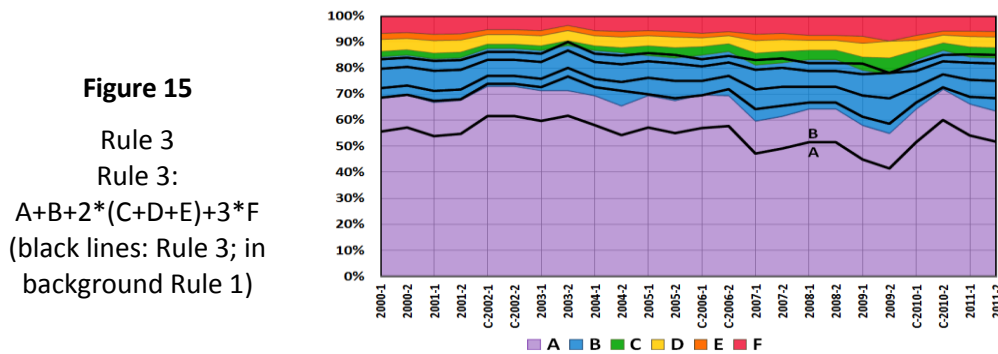
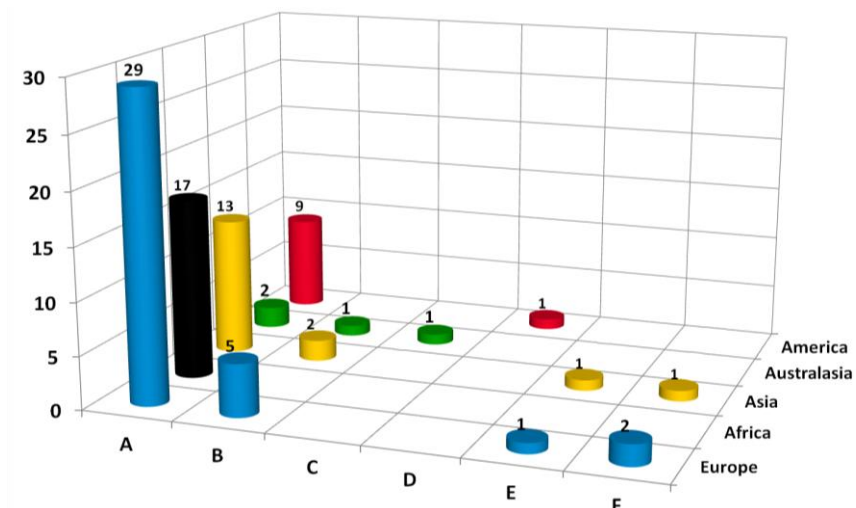


Figure 15  
Rule 3  
Rule 3:  
 $A+B+2*(C+D+E)+3*F$   
(black lines: Rule 3; in background Rule 1)

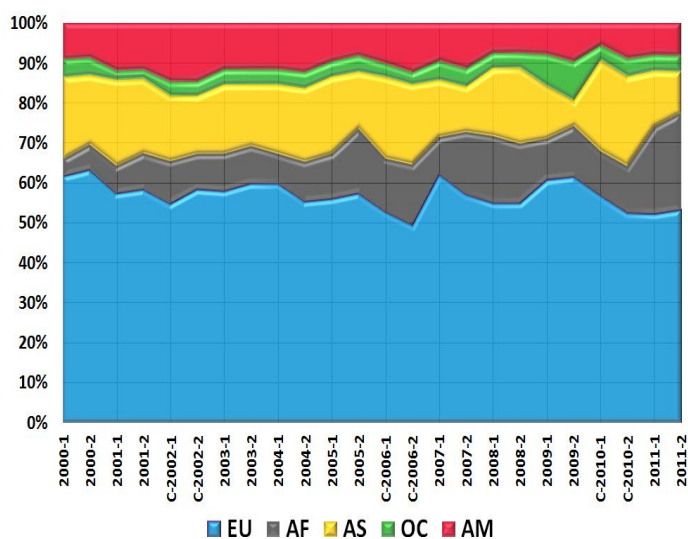
## 4.2 Members and Continents

The majority of FIG associations have a low number of members, as seen in Figure 16 (data from 2010). Presented are the results of applying “Rule 1” and “Rule 3”: the application of Rule 3 has almost no influence in the results, considering the continents (see Figures 17 and 18).

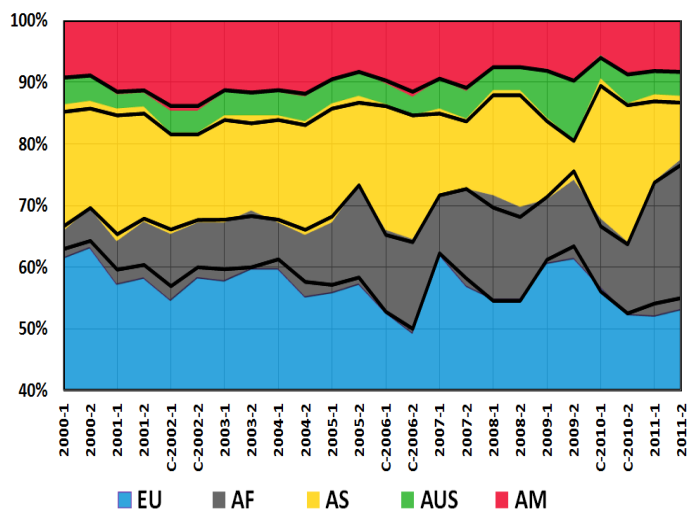
**Figure 16** – Number of associations in each class in relation to the continents (2010)



**Figure 17**  
Rule 1  
 $A+B+C+D+E+F$



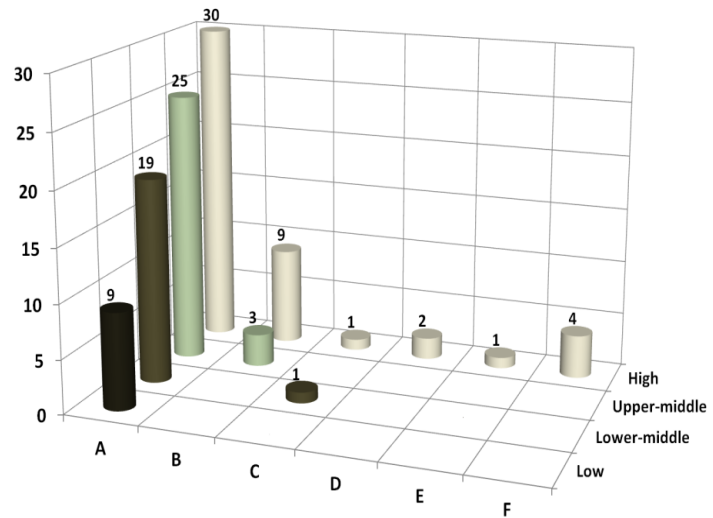
**Figure 18**  
Rule 3  
Rule 3:  
 $A+B+2*(C+D+E)+3*F$   
(black lines: Rule 3; in background Rule 1)



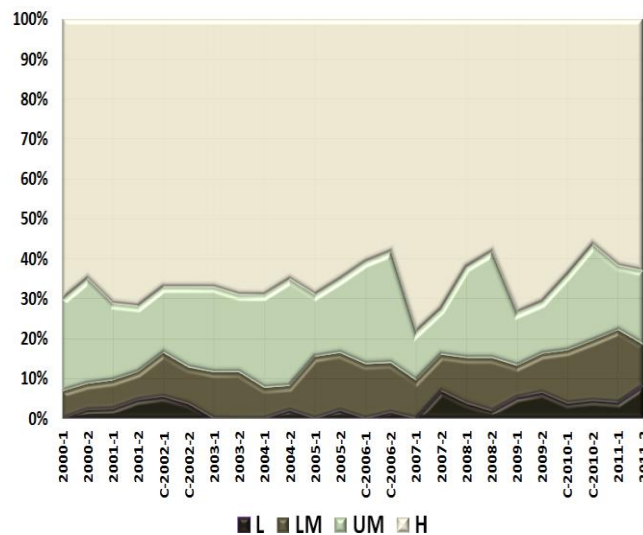
### 4.3 Members and Income

The majority of FIG associations have upper-middle or high income, as seen in Figure 19 (data from 2010). The analysis is repeated except that only the results of “Rule 1” and “Rule 3” are presented (Figure 20 and 21). The application of Rule 3 increases the importance of the associations from countries with high income.

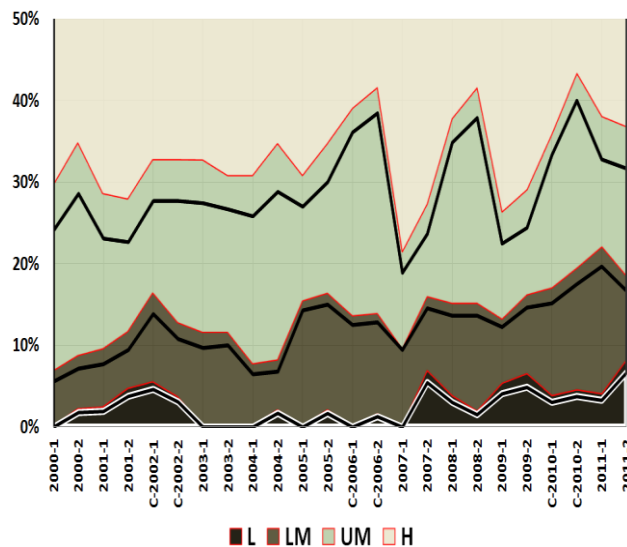
**Figure 19** – Number of associations in each class according with the income (2010)



**Figure 20**  
Rule 1  
 $A+B+C+D+E+F$



**Figure 21**  
Rule 3  
Rule 3:  
 $A+B+2*(C+D+E)+3*F$   
(black lines: Rule 3; in background (the limits are the red lines) is presented Rule 1)





## 5. UNDERSTANDING GRAPH VARIATIONS

If all associations participated in each Assembly, the effect of changing the voting rules would be smaller. But not all the associations have a delegate present in the Assemblies. Let's take as an example the second session of the Assemblies of 2006 and 2009, the sessions with the relative highest and lowest participation in the period 2000 – 2011.

In Figure 22 are presented, for each session, the percentage of member associations and the effect of applying four voting rules (Rule 5 and 6 were not considered). Concerning the distribution of the associations in the six classes (A to F) there is no major difference between 2006 and 2009 (columns "Member" in Figure 22): in 2009 there were two more associations in group A; the other five groups have the same number of associations. But the participation of the associations was quite different. "Rule 1" expresses that difference since that, by percentage, the majority of the associations that were not present in the Assembly of 2009 were from group A, as seen in Figure 24: it can be noticed that in 2009's Assembly, 80% of the associations of group A were not present. 100% of associations of groups C to F were present in 2006 Assembly.

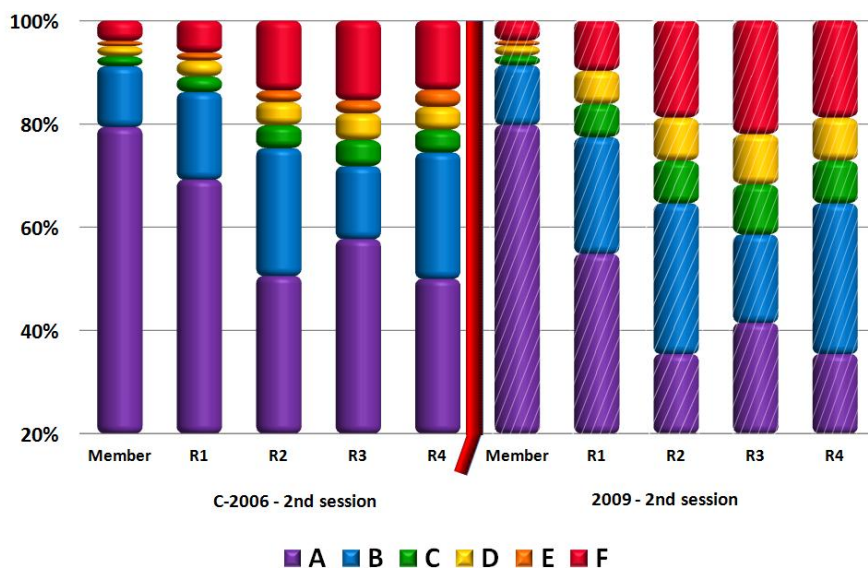


Figure 22 – Members participation and effect of voting rules

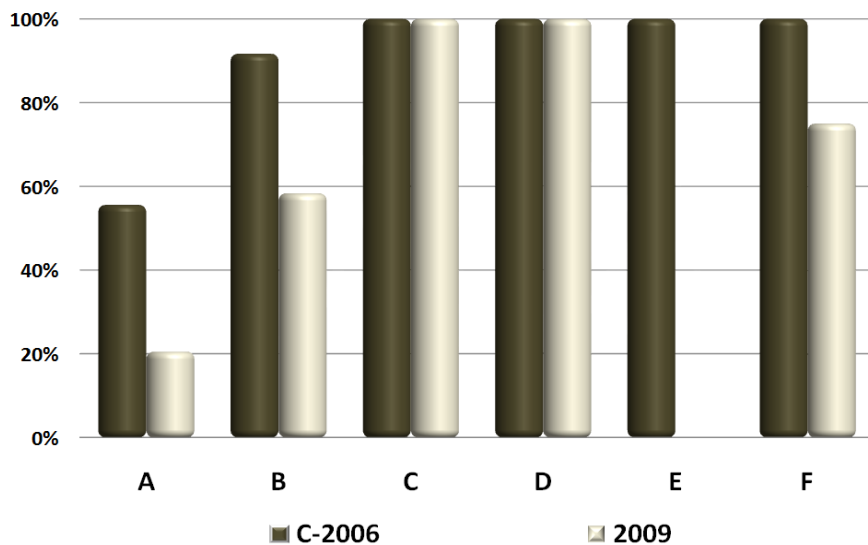
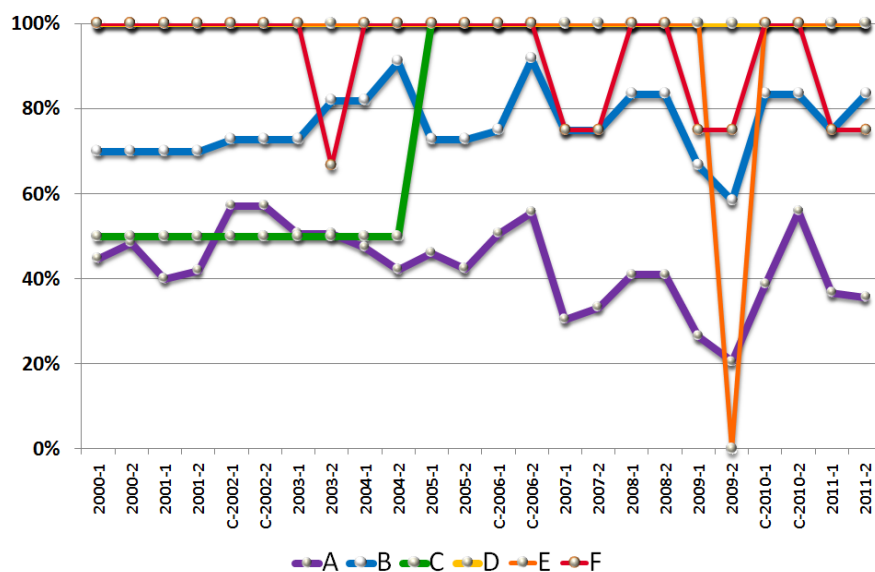


Figure 23 – Participation of the associations in the Assemblies of 2006 and 2009



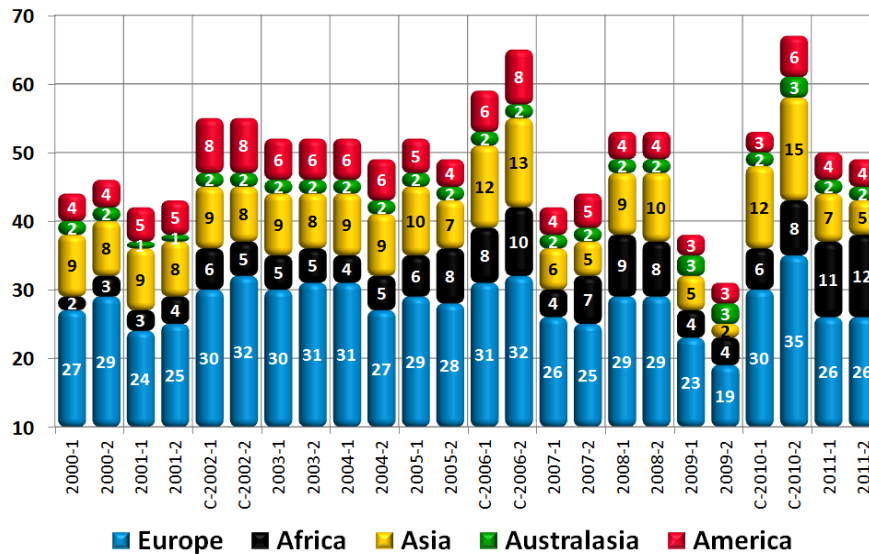


**Figure 24** – Participation of the associations in General Assemblies by group

The variations of the results of different voting rules are a consequence of the variation of the participation of the associations in the Assemblies (Figure 24). In average 43% of the associations of group A participate in the Assemblies, being that the Congresses attract more delegates of this group. The others groups have a high level of participation, on average greater than 75%, indicating that the Congresses seem to have no influence on their participation. The location of the Assemblies (Table 2) might have some importance, either the because of the distance (longer and more expensive travels), the accommodation (“expensive cities”) and, in very few cases, political issues.

**Table 2** – Cities of the conferences

Year	City	Year	City
2000	Prague	2006	Munich
2001	Seoul	2007	Hong Kong
2002	Washington	2008	Stockholm
2003	Paris	2009	Eilat
2004	Athens	2010	Sidney
2005	Cairo	2011	Marrakech



**Figure 25** – Participation of the associations in the Assemblies by continent

One may speculate about the “attraction” of the second session of the Assemblies in the years of the congresses (see Figure 25): in 2006 the second session had 6 more delegates; in 2010 more 14 delegates. The reason is probably related with the election of the president of FIG, which happens during those sessions<sup>8</sup>.

Before 2006, the president of FIG was appointed by the association that organised the congress. The first congress where a president was elected directly by the members was in 2006. That year there were three candidates (from Canada, China and Denmark), and the president was elected during the first round since he got the majority (35, 16 and 10: number of votes for the three candidates). In the congress of 2010 there were also three candidates (from Australia, Malaysia and United Kingdom) and the president was elected during the second (and final) round by the difference of one vote (33 against 32).

## 6. CONCLUSION

The level of participation of FIG association members is medium, in average 53% of the members participate in the Assemblies.

All decisions of the General Assembly are taken by simple majority vote. If all decisions taken during the Assemblies got a unanimous consent or a large majority of the votes, the effect of changing the voting rules would have no effect. But this is not the case.

<sup>8</sup> In the minutes of the Assembly of 2010 is written, in paragraph n.º 20 ELECTION OF FIG PRESIDENT: “the General Assembly ... decides to make the election at the second session of the General Assembly according to FIG statutes and internal rules”. The author of this text hasn’t found in the statues and internal rules any reference to the session were this election should take place. Casting the votes during the second session is a good rule because it leaves some time for the delegates to decide, since the candidates introduce themselves and their agenda during the first session.

## 7. DOCUMENTS CONSULTED

The documents were consulted from 2011 July until 2011 October

### FIG. **FIG General Assembly Minutes**

<http://www.fig.net/admin/adminindex.htm>

### FIG. **FIG Statutes, Internal Rules and Guidelines.** FIG Publication n.º 26

<http://www.fig.net/pub/figpub/pub26/figpub26.htm>

### FIG. **The FIG Annual Review 1999**

[http://www.fig.net/annual\\_review/anrew99/Annual%20Review%201999.pdf](http://www.fig.net/annual_review/anrew99/Annual%20Review%201999.pdf)

### FIG (2011). **General PowerPoint Presentation of FIG.**

[http://www.fig.net/admin/images/fig\\_oct\\_2011.ppt](http://www.fig.net/admin/images/fig_oct_2011.ppt)

### FIG. **Commission 2: Reports to FIG General Assembly.**

<http://www.fig.net/commission2/reports/reports.htm>

### FIG Task Force on the Future Governance of FIG (2000). **The Future Governance and Management of FIG.** 23<sup>rd</sup> FIG General Assembly.

<http://www.fig.net/admin/ga/2000/pdf-files/governance.pdf>

### ADLER, Ron (2009). **Opening Greeting.** 2009 Working Week.

[http://www.fig.net/pub/fig2009/papers/opening/opening\\_adler.pdf](http://www.fig.net/pub/fig2009/papers/opening/opening_adler.pdf)

### BECKER, Jean-Marie (1998). **Commission 5: Report from Brighton.**

[http://www.fig.net/commission5/reports/brighton\\_1998.htm](http://www.fig.net/commission5/reports/brighton_1998.htm)

### DAVIS, Lesley (1998). **General Assembly takes crucial decisions.** Editorial comment. FIG Bulletin, September 1998.

<http://www.fig.net/bulletin/sept98.htm>

### GRAEVE, Jan de and Jim Smith. **History of Surveying.** FIG Publication n.º 50

<http://www.fig.net/pub/figpub/pub50/figpub50.pdf>

### KATZARSKY, Ivan (2006). **Participation of Bulgarian Surveyors in the life of FIG.** Paper presented to the XXIII FIG Congress.

[http://www.fig.net/pub/fig2006/papers/ts77/tS77\\_04\\_katzarsky\\_0196.pdf](http://www.fig.net/pub/fig2006/papers/ts77/tS77_04_katzarsky_0196.pdf)

### TALVITIE, Juha (2010). **The evolution of FIG during the last 20 years.** Paper presented to the FIG Handover Ceremony.

[http://www.fig.net/pub/monthly\\_articles/january\\_2011/january\\_2011\\_talvitie.html](http://www.fig.net/pub/monthly_articles/january_2011/january_2011_talvitie.html)

### TEO, CheeHai (2011). **34th FIG General Assembly. Agenda Item 22: Membership Issues (Voting Rights).**

[http://www.fig.net/admin/ga/2011/minutes/app\\_22\\_voting\\_right\\_teo.pdf](http://www.fig.net/admin/ga/2011/minutes/app_22_voting_right_teo.pdf)

### The World Bank. **Country and Lending Groups.**

<http://data.worldbank.org/about/country-classifications/country-and-lending-groups>

Document prepared by Maria João Henriques, member of the “Colégio de Engenharia Geográfica da Ordem dos Engenheiros” and Portuguese delegate to FIG.  
Lisbon, 12 January of 2012





Economic Commission  
for Africa



**MEMORANDUM OF UNDERSTANDING  
BETWEEN  
THE ECONOMIC COMMISSION FOR AFRICA  
(UNECA)  
AND  
INTERNATIONAL FEDERATION OF SURVEYING  
(FIG)**

*M*

**Memorandum of understanding between the Economic Commission for Africa (hereafter referred to as “ECA”) and the International Federation of Surveyors (FIG), (collectively referred to as here in the “parties”)**

1. The parties to the present Memorandum of Understanding (“MOU”) reaffirm their desire to work together in areas of mutual interest in the service of the developing countries through the present MoU.
2. UNECA was established by the Economic and Social Council (ECOSOC) of the United Nations (UN) in 1958 as one of the UN's five regional commissions. ECA's mandate is to promote the economic and social development of its member States, foster intra-regional integration, and promote international cooperation for Africa's development. ECA's dual role as a regional arm of the UN, and a part of the regional institutional landscape in Africa, positions it well to make unique contributions to member States' efforts to address their development challenges. ECA's work programme focuses on achieving results in two related and mutually supportive areas: Promoting Regional Integration in support of the African Union vision and priorities; and Meeting Africa's special needs and emerging global challenges. ECA deploys several modalities and services to support its member States: policy analysis and advocacy; enhancing partnerships; technical assistance; communication and knowledge sharing; and supporting sub regional activities.
3. ECA is implementing the subprogramme, under the ICT, Science and Technology (ISTD) division, “Harnessing Information for Development” geared towards supporting African countries to participate fully in the rapidly evolving people-centred, inclusive, development-oriented Information Society whereby Africans can create, utilize and share information and knowledge, based on Science and Technology (S&T), to attain sustainable development. The ISTD works in the areas of ICT, Geo-information and Science and Technology Innovation.
4. FIG is a Non-Government Organization that collaborates with UN agencies and other international organizations to support progress in all fields and applications of surveying. FIG represents academic, commercial and public and private surveyors world-wide and specializes in technical and professional areas including surveying education and professional standards, hydrography, positioning and measurement, surveying, mapping, engineering surveys, geographic information systems, cadastre and land management together with marine cadastre, land and environmental planning plus the development of coastal zones and property valuation and the management of real estate.

**Article I  
Purpose**

5. As both parties are committed to improving access to information specifically geographic information and both promoting in geospatial science and technology for socio-economic development as a key objective, FIG and ECA plan to work together:
- a) In maintaining and increasing the opportunities of scientific, technical and professional as well as academic and educational exchange between the parties,
  - b) Through a continuing programme of cooperation leading to mutual sharing of knowledge and expertise to the advantage of both organizations,
  - c) Promoting the geospatial science and technology and use of geospatial information in African countries.

**Article II**

**FOCUS OF JOINT ACTIVITIES**

6. It is envisaged that the areas of focus for joint priority activities will be mutually agreed upon and may be amended from time to time with written consent of both parties.

**Article III**

**PERIODIC CONSULTATIONS**

7. The parties recognize that it is important to convene periodic consultations to review what is being planned, what is being implemented and achievements in terms of results as well as to discuss new challenges, opportunities and problems. The parties agree to hold such consultations periodically as required once every two years.

**Article IV**

**RESPONSIBLE UNITS FOR MANAGEMENT OF THE MOU**

8. FIG and UNECA agree to designate as responsible units for the activities under this MoU:

For UNECA  
Ms Aida Opoku-Mensah  
Director, ICT and Science and Technology  
(ISTD)  
Addis Ababa, Ethiopia

For FIG  
Dr.CheeHai Teo  
President  
International Federation of Surveyors, FIG  
Kalvebod Brygge 31-33  
DK-1780 Copenhagen V  
DENMARK

**Article V**  
**PREPARATION, IMPLEMENTATION AND EVALUATION OF JOINT WORK**  
**ACTIVITIES**

9. The parties will maintain the following information:
- a) A list of all current operational cooperation activities between the parties and status of implementation;
  - b) A list with a brief description of all planned cooperation activities between the parties for the next budget year; and
  - c) An indicative list of planned cooperation activities between the parties for two subsequent years.
10. The parties agree that:
- a) The appropriate programme managers in FIG and ECA will be responsible for the implementation of cooperation activities within their areas of responsibility;
  - b) The appropriate programme managers will provide brief reports annually to their heads of organizations on the status of implementation of all cooperation activities listed within their areas of responsibility as well as results achieved; and
  - c) These assessments will be reviewed by FIG and ECA in considering further cooperation activities.

**Article VII**  
**FINANCIAL COMMITMENT**

11. It is understood that neither organization can commit the other to any expenditure, save that from administering this agreement, without the specific written agreement of both organizations.


**Article VIII**  
**LEGAL STATUS**

12. This Memorandum does not create a legal link between the two organizations who will maintain their mutual independence.
13. The MoU may be amended by mutual written consent of the parties.
14. The MoU may be terminated by either party on six months notice in writing.



IN WITNESS WHEREOF the undersigned, acting on behalf of their respective institutions, have signed the present MOU in English.

SIGNED at .....this.....day of ....., Two Thousand and Eleven in two original copies.

<b>For the United Nations Economic Commission for Africa (UNECA)</b>	<b>For International Federation of Surveyors (FIG)</b>
Ms. Doreen Bongoy-Mawalla Director, Division of Administration Signature: <u><i>D. Bongoy-Mawalla</i></u> 23/6 Date: .....  	Dr. CheeHai Teo President, FIG Signature: ..... Date: .....

A  
12/6/2011





**Report to the 35<sup>th</sup> General Assembly  
FIG Working Week 2012 in Rome, Italy**

**Financial Issues (Including 2011 Accounts, 2012-15 Budgets and 2014 Subscriptions)**

**1. Introduction**

This paper provides the General Assembly with an update on FIG's financial progress in 2011, the Council's amended proposed budgets for 2012-14 and an indicative budget for 2015 (which will be the first year of the new Council's term), and other financial matters.

The General Assembly is asked to:

- Adopt the audited 2011 Accounts at Annex A, noting that the audited accounts are in the form of the template approved at the 2009 General Assembly (and provided again at Annex B)
- Endorse the budgets for 2012-15, at Annex C to the General Assembly agenda, noting that the General Reserve recovers from 78% of regular annual expenditure at the end of 2010, to 103% at the end of 2014 and (indicatively) 100% at the end of 2015
- Approve member association subscription levels for 2014, set out in section 5 of this paper.

**2. A commentary on FIG income and costs 2011**

The global economic situation remained poor in 2011, but the Council's prudent approach to budgeting and close control of all costs allowed the return of a surplus for the year, and the recovery of the general reserve to be above the range set by the General Assembly in 2009.

At the end of 2010, the Council restructured the FIG Office staffing, replacing the General Manager with an Office Manager. This reduced salary costs, whilst ensuring that the services provided by the Office did not reduce.

Income from subscriptions was largely in line with budget, although the level of write offs was larger than budgeted, due to a number of resignations during the year, and the need for the General Assembly and Council to expel a number of members for non-payment of subscriptions. This measure is only taken as a last resort, after many attempts to contact the member and agree a payment plan to pay off the arrears; the Council is however very aware that many – perhaps most – members are suffering financial difficulties and so is anxious to ensure that the benefits received by members are removed from those who do not pay their arrears (for three years for Member Associations, and two years for other categories of member).

Financial income exceeded the very cautious budget set because Office staff examined a number of accounts in which to invest the reserves, and were able to improve financial income whilst continuing to invest in low-risk ways.

Income from the services provided to the Working Week exceeded the budget, because the charge made by the Office for registration services (a fixed price per registrant) was not included in the budget and the number of participants was more than expected.

Overall, income was €20k above budget.

Office costs were realised in line with the budget (and €15k below 2010 costs), with careful controls being exercised on all expenditure. This has included reviewing prices quoted by existing suppliers and changing suppliers where appropriate. Outsourced costs were slightly below budget. However, there were two movements within this category which balanced each other. Bookkeeping costs were above budget because we had originally planned (and budgeted) to reduce bookkeeper time during 2011. However the amount of bookkeeping required has increased now that FIG is responsible for conference registrations (this is covered in the money charged by FIG for each registrant). In addition, the work by the office staff and the bookkeeper over the last two years have regularised all aspects of our accounts; it is therefore important that we maintain this high level of bookkeeping accuracy. Against this, we spent less than budgeted on the maintenance of the FIG website, as other pressures in the office meant that we continued on a care and maintenance basis this year. IT costs were in line with budget; during the year, we changed IT suppliers to address problems with the service provided by the last supplier, with no increase in total costs.

As expected in the first year of the term of the Council and Commissions, publications were limited and so marketing and publication costs were slightly below budget.

Council and executive management costs were €30k below budget. This was realised through a number of savings. Travel costs were €25k below budget, and were again very tightly controlled. It is important also to note that in many cases, travel by Council members is subsidised or fully covered by Council members' employers, by the hosts, or by other organisations. FIG is very grateful for this support, which allows Council members to maintain close contact with many members during the year. Meeting costs were below budget as there was only one face-to-face meeting of the Council in 2011, in Marrakech.

The grants to Commission chairs were increased in 2011, in line with the decision of the General Assembly.

Overall, the surplus of regular income over regular expenditure was €55k better than budgeted.

The Working Week in Marrakech returned a higher than budgeted financial result, partly due to higher than expected numbers of participants, and also due to careful management by our hosts.

Developmental spend was carefully monitored against the overall financial position, with monthly updates being produced by the Office, and formal quarterly reports to Council. The healthy financial position allowed the Council to honour all requests from Task Force chairs for support and from Commission chairs for specific support, and to undertake some developmental work on our IT systems and website. This latter element was, however, less than planned due to increased staff leave against leave accrued in previous years. Poor member support was also provided to all those eligible member Associations who requested it.

The final result therefore was a surplus for 2011 of €80,020 against a budgeted surplus of €3,250.

The reporting of the results follows the amended account structure presented to the General Assembly in 2011. The 2010 results have, wherever possible, been restated in accordance with this new structure.

At the end of year, FIG's total reserve stood at €63,052, 115% of regular annual expenditure. A further discussion of necessary reserves for the Federation is presented in section 4.

At the end of 2011, the arrears of unpaid subscriptions stood at €98,185. This is a reduction on the end of 2010 figure of €110,224. The reduction of the figure in these difficult financial times has much assisted by significant work by office staff to ensure that invoices are received by the appropriate person in each member, and continuing contact to ensure payment. This takes considerable effort for Office staff, and the Council again requests all members to pay their invoices promptly, or to contact the Office if they have difficulties in doing so. This will considerably free up staff time to work on other FIG work. The size of the arrears results in a portion of FIG's reserves being used to fund FIG cash flow, rather than being invested.

### **3. Budgets 2012-15**

Annex C to this paper presents proposed revised budgets for 2012, 2013 and 2014 and an indicative budget for 2015. The Council is mindful of the competing requirements to state a budget 4-years ahead (as committed to at the 2009 General Assembly), and that the final year of the budget will form the first year of the new Council's work plan. The 2015 budget should therefore, at this stage, be seen as indicative.

The key changes to the budgets agreed at the 2011 General Assembly are:

- Reduction in budgeted income from corporate members, both because of the overall financial situation, but also because of organisational mergers – for instance of Trimble and Ashtech (previously both corporate members);
- Write off budgets are increased because of the overall financial situation;
- Income from fees charged for conference services is increased in 2012 because of the regional conference;
- Bookkeeping costs are increased, for the reasons explained in section 2 – it is important to note that some of these costs are recovered in the registration fee charges to the working week, but Council has felt it important to keep costs where they lie, to allow open and transparent reporting of the financial position;
- Travel costs for 2013 have been reduced in light of 2011 costs;
- IT developmental activity has been budgeted in 2012, because of the reduced work in 2011 (see section 2).

As last year, every effort has been made to base the budget on facts, and to set the budget prudently. This is particularly important given the overall economic situation.

The budgets at Annex C include a range of notes to the budgets explain particular figures. Two specific overriding issues should also be borne in mind by the General Assembly:

- As always, we can make predictions about surpluses from events, but factors may arise which affect these; and
- The potential risk around subscriptions in the current economic situation could reduce the subscription income.

There remain three key measures for the budget, Council believes; these are all set out in the Annex:

- Key measure 1: there must be a surplus of regular income over regular expenditure each year – to ensure the financial sustainability of FIG;
- Key measure 2: there must be an overall surplus over the 4-year Council period – again to ensure sustainability, but to allow flexibility of the profiling of income from events and expenditure on developmental activity;

- Key measure 3: the general reserve must remain within the level of 90-100% of regular expenditure.

The budget contained in Annex C meets key measures 1 and 2. Key measure 3 is discussed further below.

#### **4. FIG Reserves**

As is shown in Annex C, the FIG general reserve at the end of 2010 had reduced to 78% of regular annual expenditure, below the 90-100% range agreed by the 2009 General Assembly. The positive financial result for 2011 has increased the total reserve to 115% of regular annual expenditure.

Council has carefully considered the necessary size of FIG's total reserve. A key consideration in this has been the risks that FIG faces into the future, and any changes to these. Council has agreed that continuing prudence is required, given the final results in 2009 and 2010 being poorer than budgeted, and the overall global financial situation. Council has also considered the changes to the arrangements for organising FIG events, where FIG will take increasing responsibility, significantly reducing the role of Professional Conference Organisers (PCOs). This decision was made by Council after a review of FIG's recent experiences in event organising, and considering the arrangements of other organisations. The new arrangements will provide FIG with greater managerial control over events, remove the mark up taken by PCOs, but increase FIG's overall exposure to risks, and require additional cash flow on occasions to make early bookings. Council is content that the new arrangements (which are being phased in, given the advanced preparations for a number of events) are beneficial to FIG, but that they require the creation of a specific Events Reserve. This is therefore shown in the results sheet for 2011 (Annex B), and the forward budget (Annex C). The proposed size of the reserve is €50,000, with this level being reached in two stages (2011 and 2012). This change reduces the General Reserve to 109% of regular annual expenditure at the end of 2011.

Council has also considered the appropriate denominator for the reserve calculation, noting that the percentage can move significantly as the regular annual expenditure varies year to year. Much of this variation is over a 4-year cycle (with increased publication costs at the end of a Council and Commissions' term, for instance). To reduce the variability of the percentage calculation, Council has decided to use a 4-year averaging of annual expenditure, and this change has been applied to the budget spreadsheet at Annex C (but not to the results sheet at Annex B, to maintain internal integrity in each of the sheets). Council considers that this provides a more robust view of the size of the reserve.

Having implemented these changes, the size of reserves (total, events and general) are shown in Annex C, with the General Reserve (using the 4-yearly averaging of expenditure) being 97% at the end of 2011, and in the 98-103% range for 2012-15. Council considers this to be a prudent range for the reserve in these difficult financial times, but will review the necessary size of the Events Reserve after the results of the 2012 events are known and as the specific arrangements for event organising are implemented.

The reserves are held in low risk investments, in line with the policy agreed by the General Assembly. Any transfer of the reserves requires approval by two people, one of these being a Council member.

## 5. Subscriptions 2014

The 2011 General Assembly approved membership fees as follows:

Year	Per capita fee	Minimum fee	Maximum fee
2013	4.48 € per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay 2.24 € member up to a maximum of 5,500 members.	20 members or 50 EUR (whichever is greater)	5,500 members (24,640 EUR)

These were the same level as for 2012 and Council indicated that it wished to maintain the same subscription levels for 2014. Council therefore now formally proposes the following subscription levels for member associations for 2014; in line with recent practice, Council also plans to hold subscription levels for other categories of member, which are set by Council, steady:

Year	Per capita fee	Minimum fee	Maximum fee
2014	4.48 € per member up to a maximum of 5,500 members Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay 2.24 € member up to a maximum of 5,500 members.	20 members or 50 EUR (whichever is greater)	5,500 members (24,640 EUR)

The 2015 budget in Annex C is based on the assumption that subscriptions will stay at the same levels in that year, but a formal proposal will be brought forward to the 2013 General Assembly, after consideration of the 2012 financial results.

## 6. Conclusion

2011 was a difficult year for the global economy. This was reflected in certain aspects of FIG's financial position, for instance in increased write off of subscriptions. Overall, however, close control of costs ensured a solid financial result and the return of the reserves from below the range set by the General Assembly. These reserves are vital for the Federation in these continuing difficult financial times, and maintaining reserve levels remains an important focus for the Council.

Council believes that the budget set is prudent and realistic and will allow appropriate decisions to be made on levels of developmental expenditure, to ensure the continuing sustainability of FIG's finances.

**Iain Greenway**

Vice President

16 February 2012



Michael Vejgaard Hansen

Carsten Johnsen

Poul Wisniewski

Erik Munk

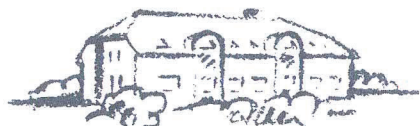
## **The International Federation of Surveyors - FIG**

Kalvebod Brygge 31-33

DK-1780 Copenhagen V

(Registration No. 21 33 60 76)

### **Financial Statements for 2011**



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## Statement of the Management and the Council

Today the management have discussed and approved the Financial Statements for 1 January - 31 December 2011.

The Financial Statements have been presented in accordance with the generally accepted accounting principles of associations.

In our opinion the Federation and Foundation's financial statements give a true and fair view of the Federation and Foundation's financial position at 31 December 2011.

We recommend the Financial Statements to be approved at the annual general assembly.

Copenhagen, 8 February 2012

### Director and Office Manager:

\_\_\_\_\_  
Markku Villikka

\_\_\_\_\_  
Louise Friis-Hansen

### Council:

\_\_\_\_\_  
CheeHai Teo  
President

\_\_\_\_\_  
Dalal S. Alnaggar  
Vice President

\_\_\_\_\_  
Iain Greenway  
Vice President

\_\_\_\_\_  
Chryssy A Potsiou  
Vice President

\_\_\_\_\_  
Rudolf Staiger  
Vice President

The annual financial report is submitted for approval at the general assembly on / 2012

\_\_\_\_\_  
CheeHai Teo



## **Independent Auditor's Report**

### **To the members of The International Federation of Surveyors - FIG**

We have audited the Financial Statements of The International Federation of Surveyors and the FIG Foundation for 1 January to 31 December 2011, which comprise summary of significant accounting policies, income statement and balance sheet. The Financial Statements are prepared in accordance with generally accepted accounting principles of associations.

### **The management and the Council's Responsibility for the Federation and the Foundation's Financial Statements**

The Management and the Council are responsible for preparation of Financial Statements that give a true and fair view in accordance with generally accepted accounting principles of associations and for such internal control as the Management and the Council determines is necessary to enable the preparation of Financial Statement that are free from material misstatement, whether due to fraud or error.

### **Auditor's Responsibility and Basis of Opinion**

Our responsibility is to express an opinion on the Financial Statements based on our audit. We conducted our audit in accordance with International Standards on Auditing and additional requirements under Danish Audit regulation. This requires that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the Financial Statements

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the Financial Statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatements of the Financial Statement, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of Financial Statements that give a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the Management and the Council, as well as the overall presentation of the Financial Statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion

The audit has not resulted in any qualification

*CONTINUED ON THE NEXT PAGE*

## **Independent Auditor's Report (fortsat)**

### **Opinion**

In our opinion, Financial Statements give a true and fair view of the Federation and Foundation's financial position at 31 December 2011 and of the results of the operations for the financial year 1 January to 31 December 2011 in accordance with accepted accounting principles of associations.

Roskilde, 8 February 2012

**ERIK MUNK**  
Statsautoriseret Revisionsaktieselskab  
Ringstedvej 71, DK-4000 Roskilde

Carsten Johnsen  
State Authorized Public Accountant

## **Federation Information**

### **Federation**

The International Federation of Surveyors - FIG  
Kalvebod Brygge 31-33  
DK-1780 Copenhagen V

Telephone: +45 38 86 10 81

Fax: +45 38 86 02 52

Internet: [www.fig.net](http://www.fig.net)

E-mail: [fig@fig.net](mailto:fig@fig.net)

Registration No. 21 33 60 76

Registered in: Copenhagen

Financial year: 1 January to 31 December

### **Council**

CheeHai Teo

Dalal S. Alnagar

Iain Greenway

Chryssy A Potsiou

Rudolf Staiger

### **Director and Office Manager**

Markku Villikka

Louise Friis-Hansen

### **Auditor**

Erik Munk, statsautoriseret revisionsaktieselskab

State Authorized Public Accountant

Ringstedvej 71

DK-4000 Roskilde

Denmark

## **Accounting policies**

This Annual Financial Statements have been prepared in accordance with generally accepted accounting principles of associations.

The accounting policies applied for the Financial Statements are consistent with those applied last year.

### **Recognition and measurement overview**

Income is recognised in the income statement when earned, where as costs are recognised by the amounts attributable to this financial year. Value adjustments of financial assets and liabilities are recognised in the income statements as financial income or financial expenses. Also depreciations are recognised in the income statement.

Assets are recognised in the balance sheet when it is probable as a result of a prior event that future economic benefits will flow to the Federation, and the value of the asset can be measured reliably.

Liabilities are recognised in the balance sheet when it is probable that future economic benefits will flow out of the Federation, and the value of the liability can be measured reliably.

On initial recognition, assets and liabilities are measured at cost. Measurement subsequent to initial recognition is effected as described below for each financial statement item.

Anticipated risks and losses that arise before the time of presentation of the Financial Statements and that confirm or invalidate affairs and conditions existing at the balance sheet date are considered at recognition and measurement.

## **Income Statement**

### **Income and expenses**

Items of income or expenses are stated within the period to which they relate irrespective of the payment date.

## **Balance Sheet**

### **Deposits**

Deposits are measured at nominal value.

### **Receivables**

Receivables are measured at amortised cost, usually equalling nominal value less provisions for bad debts.

Prepayments comprise costs incurred relation to the subsequent financial year.

### **Stocks**

Stocks are measured at cost price.

## **Accounting policies**

### **Investments funds**

Investment funds are measured at quoted market price.

### **Foreign currency translation**

On initial recognition, foreign currency transactions are translated applying the exchange rate at the transaction date. Exchange differences that arise between the rate at the transaction date and the one in effect at the payment date or the rate at the balance sheet date are recognised in the income statement as financial income or financial expenses.

Receivables, payables and other monetary items denominated in foreign currencies that have not been settled at exchange rate on the balance sheet date and the transaction date is recognised in the income statement as financial income or financial expenses.

## Income Statement for 1 January - 31 December 2011 for The International Federation of Surveyors - FIG

	<u>2011</u>	<u>2010</u>
	<i>EURO</i>	<i>EURO</i>
<b>Regular Income</b>		
Member associations.....	292.657	283.051
Affiliate members.....	24.523	20.203
Corporate members.....	92.091	88.874
Academic members.....	18.312	18.674
Less bad debts.....	<u>(25.752)</u>	<u>(20.540)</u>
	<b>401.831</b>	<b>390.262</b>
Advertisement income.....	501	0
Financial income.....	7.274	6.259
Less banking costs.....	(875)	(205)
Events, fees charged for services.....	<u>61.700</u>	<u>0</u>
	<b>470.431</b>	<b>396.316</b>
<b>Total Regular Income</b>		
<b>Regular Expenditure</b>		
<i>Administration</i>		
Office costs.....	(164.317)	(179.430)
Outsourced office costs.....	<u>(31.148)</u>	<u>(32.704)</u>
	(195.465)	(212.134)
Marketing and publications.....	(11.804)	(35.642)
Council and executive management.....	(162.388)	(208.746)
<i>Commission support</i>		
Regular grants.....	(30.060)	(24.842)
Regular grants , Young Surveyors Network.....	<u>(3.009)</u>	<u>0</u>
	(33.069)	(24.842)
	<b>(402.726)</b>	<b>(481.364)</b>
<b>Total Regular Expenditure</b>		
	<b>67.705</b>	<b>(85.048)</b>
<b>Deficit of Regular Income/Regular Expenditure</b>		

## Income Statement for 1 January - 31 December 2011 for The International Federation of Surveyors - FIG

	<u>2011</u>	<u>2010</u>
	<i>EURO</i>	<i>EURO</i>
<b>Result brought forward</b>	<u>67.705</u>	<u>(85.048)</u>
<b>Projects, events - funds recived by FIG</b>		
Congress/working Week.....	<u>29.720</u>	<u>85.599</u>
	<b><u>29.720</u></b>	<b><u>85.599</u></b>
<b>Development spend</b>		
IT and web development.....	(5.000)	0
Task Force support.....	(8.018)	0
Support to poor member associations.....	(100)	0
Specific grants for Commissions.....	<u>(4.287)</u>	<u>(10.602)</u>
	<b><u>(17.405)</u></b>	<b><u>(10.602)</u></b>
<b>Other projects</b>		
Income - sale of publications.....	0	45
UN HABITAT project.....	0	7.300
Miscellaneous income.....	0	16.117
Costs.....	<u>0</u>	<u>(9.366)</u>
	<b><u>0</u></b>	<b><u>14.096</u></b>
<b>Surplus for the year - regular activities</b>	<b><u>80.020</u></b>	<b><u>4.045</u></b>
<b>Exeptional Items</b>		
Travel cost re ash cloud.....	0	(4.325)
Items funded from reserves (as agreed by general assembly)		
- Young surveyors network.....	0	(2.497)
- Task Force support	<u>0</u>	<u>(7.986)</u>
<b>Final Result (Deficit)</b>	<b><u>80.020</u></b>	<b><u>(10.763)</u></b>

## Balance Sheet at 31 December 2011 for The International Federation of Surveyors - FIG

<u>Assets</u>	<u>2011</u> <i>EURO</i>	<u>2010</u> <i>EURO</i>
<b>Current assets:</b>		
Receivables:		
Receivables from members.....	88.336	194.312
Other receivables.....	8.938	5.858
Prepaid expenses Working weeks.....	56.070	10.576
Receivable VAT.....	8.345	8.141
Merchandise.....	6.175	7.953
Investments funds.....	221.405	0
Cash at hand and bankaccounts.....	389.943	352.476
<b>Total current assets</b>	<b>779.212</b>	<b>579.316</b>
<b>Total assets</b>	<b>779.212</b>	<b>579.316</b>
<b><u>Equity and liabilities</u></b>		
<b>Equity:</b>		
Equity at the beginning of the year.....	383.032	394.493
Fluctuations.....	0	(698)
Retained earnings.....	80.020	(10.763)
<b>Total equity</b>	<b>463.052</b>	<b>383.032</b>
<b>Liabilities:</b>		
Projects in progress.....	60.511	0
Trade payables.....	0	3.531
Account payable, The FIG Foundation.....	204.285	156.802
Other debt.....	51.364	35.951
<b>Total liabilities</b>	<b>316.160</b>	<b>196.284</b>
<b>Total equity and liabilities</b>	<b>779.212</b>	<b>579.316</b>



## Income Statement for 1 January - 31 December 2011 for the FIG Foundation

	<u>2011</u>	<u>2010</u>
	<i>EURO</i>	<i>EURO</i>
<b>Donations</b>		
Personal donations.....	15.408	1.497
Other donations.....	1.727	8.509
FIG Conferences.....	33.637	16.612
Financial income.....	3.752	1.057
	<hr/>	<hr/>
<b>Total Income</b>	<b>54.524</b>	<b>27.675</b>
 <b>Expenses</b>		
Grants.....	(6.656)	(3.915)
Bank cost.....	0	(471)
	<hr/>	<hr/>
<b>Total Expenses</b>	<b>(6.656)</b>	<b>(4.386)</b>
	<hr/>	<hr/>
<b>Final Result (Deficit)</b>	<b>47.868</b>	<b>23.289</b>
	<hr/> <hr/>	<hr/> <hr/>

## Balance Sheet at 31 December 2011 for The FIG Foundation

	<u>2011</u>	<u>2010</u>
	<i>EURO</i>	<i>EURO</i>
<b><u>Assets</u></b>		
<b>Current assets:</b>		
Receivables:		
Account receivable, FIG.....	204.285	156.802
Other receivables.....	1.157	1.154
Cash at hand and bankaccounts.....	5.874	5.490
<b>Total current assets</b>	<b>211.316</b>	<b>163.446</b>
<b>Total assets</b>	<b>211.316</b>	<b>163.446</b>
<b><u>Equity and liabilities</u></b>		
<b>Equity:</b>		
Equity at the beginning of the year.....	162.448	139.159
Retained earnings.....	47.868	23.289
<b>Total equity</b>	<b>210.316</b>	<b>162.448</b>
<b>Liabilities:</b>		
Other debt.....	1.000	998
<b>Total liabilities</b>	<b>1.000</b>	<b>998</b>
<b>Total equity and liabilities</b>	<b>211.316</b>	<b>163.446</b>

FIG FINANCIAL RESULTS 2010 and 2011

version of 12-feb-12

ANNEX B

	Result 2010 €	Budget 2011 €	Result 2011 €	Notes
<b>REGULAR INCOME</b>				
<b>Subscriptions</b>				
Member associations	283.051	290.000	292.657	
Affiliate members	20.203	22.000	24.523	
Corporate members	88.874	92.000	92.091	
Academic members	18.674	19.000	18.312	
Less bad debts	20.540	15.000	25.752	1
	<u>390.262</u>	<u>408.000</u>	<u>401.831</u>	
<b>Financial income</b>	6.259	3.000	7.274	2
Less banking costs	205	250	875	
Advertising income	-	-	501	
<b>Events - fees charged for services</b>	-	40.000	61.700	3
<b>Total regular income</b>	<u>396.316</u>	<u>450.750</u>	<u>470.431</u>	
<b>REGULAR EXPENDITURE</b>				
<b>Administration</b>				
Office costs	179.430	165.500	164.317	4
Outsourced office costs	32.704	33.000	31.148	5
	<u>212.134</u>	<u>198.500</u>	<u>195.465</u>	
<b>Marketing and publications</b>	<u>35.642</u>	<u>15.000</u>	<u>11.804</u>	6
<b>Council and executive management</b>	<u>208.746</u>	<u>192.000</u>	<u>162.388</u>	7
<b>Commission support</b>				
Regular grants	24.842	30.000	30.060	
Regular grants - Young Surveyors Network	2.497	3.000	3.009	
	<u>27.339</u>	<u>33.000</u>	<u>33.069</u>	
<b>Total regular expenditure</b>	<u>483.861</u>	<u>438.500</u>	<u>402.726</u>	
<b>Surplus/deficit of regular income over regular expenditure</b>	<b>-87.545</b>	<b>12.250</b>	<b>67.705</b>	
<b>PROJECTS</b>				
<b>Events - funds received by FIG</b>				
Congress/Working Week	85.599	20.000	29.720	
Regional Conference	-	-	-	
Other events and projects	14.096	-	-	8
	<u>99.695</u>	<u>20.000</u>	<u>29.720</u>	
<b>Development spend</b>				
Task Force support	7.986	12.000	8.018	9
IT and web - developmental activity	-	10.000	5.000	10
Support for poor Member Associations	-	2.000	100	
Specific grants for commissions	10.602	5.000	4.287	
	<u>18.588</u>	<u>29.000</u>	<u>17.405</u>	
<b>RESULT</b>				
<b>Overall surplus/deficit in the year - normal activities</b>	<u><b>-6.438</b></u>	<u><b>3.250</b></u>	<u><b>80.020</b></u>	
<b>Exceptional items</b>				
Travel costs re ash cloud	4.325			
<b>Reserves</b>				
Events reserve	383.032		463.052	
General reserve	-		25.000	11
General reserve as a % of regular annual expenditure	383.032		438.052	
	79%		109%	12

Notes

- 1 This reflects a number of expulsions and resignations during the year
- 2 Some changes of investment accounts improved the actual 2011 position above budget
- 3 Categories of reporting and their position in the reporting sheet were amended at the 2011 GA. Wherever possible, the 2010 result has been restated
- 4 Office costs includes salaries, postage/mail, telecomms, copying, office supplies and equipment, and miscellaneous  
Salary costs were reduced in 2011 following a restructuring of the office at the end of 2010
- 5 Outsourced office costs includes auditing, accounting and IT costs
- 6 Marketing and publications includes printing, promotions, Annual Review  
A large number of publications were produced in 2010, the final year of commission and council terms
- 7 Council and executive management includes costs of the Council and the Director, all travels funded by FIG, and all meeting costs  
Travel costs were very carefully controlled in 2011, and meeting costs were reduced as there was only one face to face council meeting in the year
- 8 Net income in 2010 was from reviews and reports for UN HABITAT; support to commissions from external sources; surplus from event organising
- 9 All requests from Task Forces and Networks were met
- 10 Because of work loads in the Office, some planned work was deferred until 2012
- 11 This reserve has been introduced because of the additional risks, including cash flow, for FIG in taking greater management control of events, particularly in the current financial climate
- 12 Note that this percentage does not match that in the budget sheets, because the reserve in the budget sheets is divided by the average of annual expenditure over a 4-year period



	Final 2010 Result	Budget 2011	Final 2011 Result	Notes	GA 2011 Budget 2012	Revised Budget 2012	Notes	GA 2011 Budget 2013	Revised Budget 2013	Notes	GA 2011 Budget 2014	Revised Budget 2014	Notes	Budget 2015	Notes
<b>PROJECTS AND DEVELOPMENT</b>															
<b>Events - funds received by FIG</b>															
Congress/Working Week - share of surplus	85.599	20.000	29.720		30.000	30.000	d	20.000	10.000	d	45.000	45.000	d	20.000	d
Regional conference	-	-	-		10.000	10.000		-	-		-	-		-	g
Other events	14.096	-	-		-	-		-	-		-	-		-	
Commission events	-	-	-		-	-		-	-		-	-		-	
	<u>99.695</u>	<u>20.000</u>	<u>29.720</u>		<u>40.000</u>	<u>40.000</u>		<u>20.000</u>	<u>10.000</u>		<u>45.000</u>	<u>45.000</u>		<u>20.000</u>	
<b>Developmental income</b>		-	-		-	-		-	-		-	-		-	
<b>Developmental spend</b>															
Task Force support	7.986	12.000	8.018		12.000	12.000		12.000	12.000		12.000	12.000		12.000	
IT and web - developmental activity	-	10.000	5.000	h	-	5.000	h	20.000	20.000	h	-	5.000		5.000	
Support for poor Member Associations	-	2.000	100		2.000	2.000		2.000	2.000		2.000	2.000		2.000	
Specific grants for Commissions	10.602	5.000	4.287		7.500	7.500		10.000	5.000		10.000	7.500		5.000	
	<u>18.588</u>	<u>29.000</u>	<u>17.405</u>		<u>21.500</u>	<u>26.500</u>		<u>44.000</u>	<u>39.000</u>		<u>24.000</u>	<u>26.500</u>		<u>24.000</u>	
<b>RESULT</b>															
<b>Overall surplus/deficit in the year - normal activities</b>	<u>-6.438</u>	<u>3.250</u>	<u>80.020</u>		<u>53.500</u>	<u>36.250</u>		<u>3.250</u>	<u>-6.250</u>		<u>49.500</u>	<u>22.750</u>		<u>1.750</u>	
<i>[Key measure 2 - this to be positive in total over the term of the 4 year budget period]</i>															
<b>Exceptional items</b>															
Travel costs re ash cloud	4.325														
<b>Total reserves at year end</b>	<b>383.032</b>		<b>463.052</b>			<b>499.302</b>			<b>493.052</b>			<b>515.802</b>		<b>517.552</b>	
General reserve	383.032		438.052			449.302			443.052			465.802		467.552	
Events reserve			25.000	j		50.000	j		50.000	j		50.000	j	50.000	j
Total reserves as a % of regular annual exp	78%		102%			110%			109%			114%		111%	
General reserve as a % of regular annual exp	78%		97%	i		99%	i		98%	i		103%	i	100%	i
<i>[Key measure 3 - this to be within the range 90-100%]</i>															
<b>Notes:</b>															
a Assumes subscription rates remain at 2012 levels for 2013, 2014 and 2015; and stability in member numbers (with Ashtech withdrawal) - this to be kept under review															
b Backlog of expulsions in 2010 and 2011; global financial situation requires to keep expulsions higher															
c Interest rates assumed to remain low															
d Cautious forecasts, including registration handling charges															
e Careful management of all office costs will continue; outsourced costs budget increased in recognition of bookkeeping costs associated with conferences etc															
f Travel costs will be very carefully managed; this line will be reduced if overall finances are not within budget															
g Assumed no regional conference in 2015															
h 2011 part reprofiled into 2012; major platform change allowed for in 2013															
i Currently required to be in 90-100% range															
Note that the formula has been changed (to allow for the cycle of expenditure over a 4-year period) to be divided by the annual average expenditure over 4 years (2011-14 for those years; 2012-15 for 2015)															
j This reserve has been introduced because of the additional risks, including cash flow, for FIG in taking greater management control of events, particularly in the current financial climate															



## Nomination Template for Vice President 2013-2016



<b>Nominee</b>	
Name:	Pengfei CHENG
Member association:	Chinese Society of Geodesy, Photogrammetry and Cartography (CSGPC)
Country:	China
Contact address:	No.28, Lianhuaichixi Road, Haidian District, Beijing 100830
Email address:	chengpf@casm.ac.cn
Age:	47
Degrees and educational background:	PhD, Graz University of Technology, Geodesy, 1995-1998 MSc, Tongji University, Geodesy, 1984-1987 BSc, Tongji University, Geodesy, 1980-1984
Employment history - current position - previous	Vice President, Chinese Academy of Surveying and Mapping(CASM) since 2002 Professor, CASM since 1998
Positions of trust - current - previous	Chairman, Commission of Geodesy, Chinese Society of Geodesy, Photogrammetry and Cartography Executive Director, China GPS Technology Association Doctoral tutor and adjunct professor, Wuhan University Doctoral tutor and adjunct professor, Tongji University Doctoral tutor and adjunct professor, Liaoning University of Technology National delegate of China for the International Union of Geodesy and Geophysics (IUGG) Chairman, National Committee of China for the International Association of Geodesy (IAG) Chair, Working Group on Regional Geodesy, Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP)
Positions in FIG - current - previous	National delegate of China for FIG Commission 5 – Positioning and Measurement
Other activities in FIG	Head of Delegation of China at the FIG Congress in Australia in 2010 and at the FIG Working Week in Morocco in 2011
Field of surveying discipline	Geodesy, Navigation and Positioning
<b>Nominees statement</b>	
Why I want to be Vice President	China is a big country and its surveying and mapping profession has been developing rapidly in recent years. China should play active roles in international organizations such as FIG and share its progress with other countries.
What I can offer to FIG in support of its aims and objectives	I can make contributions to the sharing of advanced technologies with other countries and the knowledge transfer to and capacity building of developing countries in related professional fields.



## Nomination Template for Vice President

My key skills	Research and teaching in geodetic data processing, navigation system integration, especially satellite navigation system integration, and management of academic programs and organizations
Any other general comments	I will observe all rules and regulations of FIG and work actively and fairly to promote FIG's further development.

<b>Nominator</b>	
Name of member association	Chinese Society of Geodesy, Photogrammetry and Cartography (CSGPC)
Name and title of contact person	Ms. Jiang Xiaohong, Deputy Director for Foreign Affairs Division, National Administration of Surveying, Mapping and Geoinformation
Contact address	28 Lianhuachixi Road, Haidian District, Beijing 100830, China
Email address	info@sbsm.gov.cn
<b>Nominator's statement</b>	
Why the association wants to nominate Nominee	Prof. Dr. Pengfei Cheng has built up his reputation in China through many years' research work in geodesy, positioning and navigation fields and made remarkable contributions to the development of the surveying profession in China. And he has also been interested in international professional activities.
Support the association can offer the Nominee (financial and other)	CSGPC will give its full support for Prof. Dr. Pengfei Cheng to play an actively leading role in FIG.
Any other comments	

<b>Signed</b>	
I hereby certify the above is true and correct	
Date	December 30, 2011
Nominee	 Pengfei CHENG
Nominator	 Weisen LI President of CSGPC



## Nomination Template for Vice President 2013-2016

Nominee	
Name:	Bruno Razza
Member association:	Consiglio Nazionale Geometri e Geometri Laureati
Country:	Italy
Contact address:	Piazza Colonna, 361 – 00187 Rome
Email address:	<a href="mailto:b.razza@cng.it">b.razza@cng.it</a> , <a href="mailto:m.scorza@cng.it">m.scorza@cng.it</a>
Age:	61
Degrees and educational background:	Diploma in Surveying from the Technical Institute for Surveyors of Gorizia in 1970 – Qualified in 1974
Employment history - current position  - previous	<p>Owner of a technical firm, with four employees, which deals with building design, land registry issues, technical and legal advice and property valuation.</p> <p>Since graduation, I have continuously worked for a surveying firm. First as a trainee and then, since 1974, as a qualified professional. My professional work always has and still is performed in a partnership with other professionals in a multi-disciplinary environment.</p> <p>This means that we perform all the activities of Italian surveyors, in construction, in property valuation and in topography for private and public clients.</p>
Positions of trust - current  - previous	<p>From 2004 to present: member of CNGeGL, with portfolio to follow all national and international land registry issues. From 2004 to present, CNGeGL delegate to CLGE. From 2010 to present, CNGeGL delegate to EgoS</p> <p>From 1982: Director of the Board of Surveyors of the Province of Gorizia. Between 1984 and 1992: Secretary of the Board of Surveyors of the Province of Gorizia. Between 1992 and 2004: President of the Board of Surveyors of the Province of Gorizia. Between 1996 and 2004: President of the Regional Committee of Surveyors of Friuli Venezia Giulia. Between 1985 and 2007: Member of the National Land Registry Commission and CNGeGL's Select Committee on land registry issues in Italy. In this Commission and in this Committee, all the procedural changes for modernizing</p>





## Nomination Template for Vice President

	<p>Italy's land registry system were proposed, evaluated and discussed, including with the heads of the land registry system.</p> <p>Between 1990 and 1995: Councilor for Culture in his town of residence.</p>
Positions in FIG - current - previous	<p>From 2004 to present, member of Commission no. 7.</p> <p>From 2007 to present, member of Commission no. 3.</p>
Other activities in FIG	<p>Participation in organizing the Annual Meeting of Commission no. 7 in Verona</p>
Field of surveying discipline	<p>All activities related to updating the land registry, both measurement and property and land valuations</p>
<b>Nominees statement</b>	
Why I want to be Vice President	<p>Over 100,000 surveyors are registered with CNGeGL in Italy. They carry out their profession in all areas covered by the FIG Commissions.</p> <p>At least 30% of members (30,000-35,000) work to update the land registry, which, in Italy is entirely delegated to professionals in technical areas, of which surveyors make up the largest component.</p> <p>That is why it is very important that Italian Surveyors have a significant presence in FIG.</p> <p>Through the Vice Presidency, I would support the important role that surveyors play in society and the profession's invaluable technical role in proper land management.</p> <p>In fact, I am convinced that society needs the work of the surveyor to improve our understanding of the territory and to be able to manage and administrate it, in accordance with and according to the needs of those who live in it.</p> <p>The work of the FIG Commissions should lead to an improvement in the knowledge of surveyors around the world, a balanced relationship between academia, the role of public institutions and the role of the private professional world, where every member can and must make his knowledge and know-how available to society.</p> <p>In addition, I intend to work to encourage and stimulate</p>



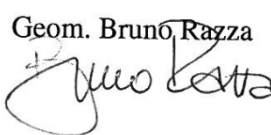
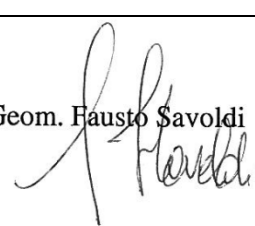
## Nomination Template for Vice President

	<p>young people to pursue the occupation of surveyor, to exercise it at every level. That is why it is essential to introduce new initiatives and new opportunities for future generations.</p> <p>To do this it is important that we design, propose and carry out the necessary reforms of the rules for, and the activities, work and training of surveyors reforms that will allow us to perpetuate this profession all over the world.</p> <p>The organization of the International Topography Course offered by CNGeGL, and of which I am a promoter, is one of the practical steps that can be taken to identify new strategies and new opportunities for developing the role of the surveyor both at present and in the future.</p>
What I can offer to FIG in support of its aims and objectives	<p>I can offer my personal enthusiasm and passion, along with the support of all Italians Surveyors, in carrying out initiatives that spread the prerogatives for professional service quality of surveyors in all areas of expertise, especially those who are self-employed.</p> <p>I can also offer my thorough understanding of all land registry matters in order to contribute to the growth and development of real estate advertising, the recognition of real property rights and the formation of an inventory, multi-disciplinary land registry system that is of high quality and useful for all of society.</p>
My key skills	<p>Working for a future by providing concrete support for initiatives that:</p> <ol style="list-style-type: none"><li>1) stimulate the opportunities for and the expectations of young surveyors throughout the world;</li><li>2) foster the development of research and experimentation in order to define innovative land management models and geodetic information;</li><li>3) promote cooperation between experts throughout the world in order to contribute to:<ul style="list-style-type: none"><li>• achieving cooperation and dialogue between peoples;</li><li>• defending rights;</li><li>• supporting human rights</li></ul></li></ol>
Any other general comments	<p>Great results can be achieved by the work of all the FIG Commissions, refining and improving the relationship between the academic members and the professional ones, so as to get the best synergies in describing the results achievable by all the FIG commissions</p>



## Nomination Template for Vice President

<b>Nominator</b>	
Name of member association	Consiglio Nazionale Geometri e Geometri Laureati
Name and title of contact person	Fausto Savoldi – President of CNGeGL
Contact address	Piazza Colonna, 361 – 00187 Rome
Email address	<a href="mailto:pressavoldi@cng.it">pressavoldi@cng.it</a> , <a href="mailto:m.scorza@cng.it">m.scorza@cng.it</a>
<b>Nominator's statement</b>	
Why the association wants to nominate Nominee	The Nominee has distinguished himself for his dedication to the international mission, expanding CNGeGL's institutional activities in professional organizations in Europe and worldwide.
Support the association can offer the Nominee (financial and other)	The CNGeGL can bear the expenses the Nominee must incur to fully carry out his functions once elected. The CNGeGL provides full operational, institutional and material support for activities to be carried out in agreement with the FIG.
Any other comments	Bruno Razza is a competent, sociable and resourceful professional

<b>Signed</b>	
I hereby certify the above is true and correct	
Date	14 December 2011
Nominee	Geom. Bruno Razza 
Nominator	Geom. Fausto Savoldi 



## Nomination Template for Vice President 2013-2016

<b>Nominee</b>	
Name:	Yaacoub Joseph Saade
Member association:	Order of Surveyors - Lebanon
Country:	Lebanon
Contact address:	Dekwaneh-Danay center-5 <sup>th</sup> floor, Beirut Lebanon Order of Surveyors-Lebanon
Email address:	Comandool@yahoo.com
Age:	42 ( 23-4 1969)
Degrees and educational background:	Master Degree in Architecture and town planning, High Studies in Environmental Infrastructure Design, GIS and Remote sensing.
Employment history - current position - previous	13 years experience, Professor of Urbanism and Cartography at LIU (Lebanese International University) since 2006, Director of Researches and International Relations at the Order of Surveyors since 2000 till present, official consultant of the Arab Union of Surveyors and the Arab League for the town planning Issues.
Positions of trust - current - previous	Director of Researches, University professor, Consultant.
Positions in FIG - current - previous	National Delegate to FIG, 2000-2006 FIG Chair of WG 1.3 (2004-2006) Chair of FIG commission 1 (2006-2010)
Other activities in FIG	Young surveyors group, Representative of the Arab Union of surveyors, Member of the Executive board of FGF(Francophone Federation) Member of the UMG (Mediterranean Union)
Field of surveying discipline	Cartography- Infrastructure- Roads -Town Planning and land Management- Cadastre.
<b>Nominees statement</b>	
Why I want to be Vice President	First to be able to serve FIG with offering new perspectives and introducing new cultures to it and to be the bridge between the international Federation and the many other regions.
What I can offer to FIG in support of its aims and objectives	I can introduce new perspectives to FIG and new contacts, and by getting to this post I can prove that FIG is and will always be an International Federation and the umbrella of the profession wherever this profession exists, and that it is preserving the rights of everyone to get the chance to be a decision maker and to serve FIG and fly high with any ambitions.
My key skills	Long Experience within FIG(12 years), Languages (Russian, English, French, Arabic) Academic Degrees, large contacts



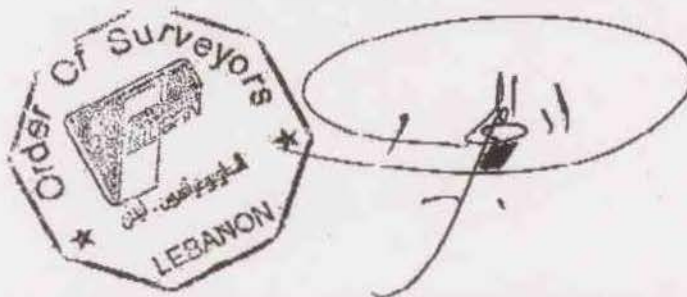


## Nomination Template for Vice President

	with many regions (Arab region, Africa, Asia, Russian Federation, Francophone Countries and Mediterranean Countries)
Any other general comments	

<b>Nominator</b>	
Name of member association	Order of Surveyors-Lebanon , Arab Union of Surveyors, FGF, UMG.
Name and title of contact person	President Antoine Mansour (Order of Surveyors), Dr Sarkis Fadous (AUS,) President Aziz Hilali (UMG), President Bibolet (FGF)
Contact address	Dekwaneh-Danay center-5 <sup>th</sup> floor, Beirut Lebanon Order of Surveyors-Lebanon
Email address	Antoine.Mansour@hotmail.com
<b>Nominator's statement</b>	
Why the association wants to nominate Nominee	Because Mr Saade has the Experience with International Issues and especially with the international Federation, and because we consider that FIG should be our reference and our guide to protect and ameliorate the profession of surveying not only in our country but in many other countries of our Area that we think they should join FIG and have an essential role to play within it.
Support the association can offer the Nominee (financial and other)	All Needed Support
Any other comments	

<b>Signed</b>	
I hereby certify the above is true and correct	
Date	2/1/2012
Nominee	Yaacoub Saade
Nominator	Order of Surveyors-Lebanon (President Antoine Mansour)



Election of Vice President 2013-2016

2/2

FIG General Assembly  
Rome, Italy, 6-10 May 2012



# Nomination Template for Commission Chair Elect 2013-2014

**Commission no: 1**


<b>Nominee</b>	
Name:	Brian J Coutts
Member association:	New Zealand Institute of Surveyors
Country:	New Zealand
Contact address:	School of Surveying, P O Box 56, Dunedin, New Zealand
Email address:	<a href="mailto:brian.coutts@otago.ac.nz">brian.coutts@otago.ac.nz</a>
Age:	64
Degrees and educational background:	MSc, BSc, DipSurv. FNZIS FRICS FRGS MNZIS MNZPI
Employment history - current position - previous	Senior Lecturer/Deputy Head, School of Surveying Employed at School of Surveying for the last 20 years.
Positions of trust - current - previous	President, Commonwealth Association of Surveying and Land Economy (2004-07) President, New Zealand Institute of Surveyors (1999-2001) Chair, Cadastral Surveyors Licensing Board of New Zealand (2002-10)
Positions in FIG - current - previous	Chair, Working Group on Voting Rights Vice Chair Commission 1 NZ Commission 1 rep 2005- present NZ Commission 8 rep 1994-2005
Other activities in FIG	Regular NZ delegation leader and presenter of papers.
Field of surveying discipline	Land Surveying
<b>Nominees statement</b>	
Why I want to be a Commission Chair and what I would like to achieve	Commission 1 has not been very active in recent times. I believe it needs to engage better with private practitioners, as well as the government employees and academics that populate it at the moment. It also needs to engage in topical issues wanted by the members, rather than what the Commission officers might see as interests. The challenge is to find out what it is that private practice would like from Commission 1.
What I can offer to FIG in support of the aims and objectives of the Commission	I believe I have a proven record of leadership within the surveying profession in New Zealand and in the international arena through my involvement as President of the Commonwealth Association of Surveying and Land Economy.



## Nomination Template for Commission Chair Elect 2013-2014

My key skills	An analytic approach to problem solving, constitutional and administrative issues and leadership through persuasion, negotiation and consensus.
Any other general comments	

<b>Nominator</b>	
Name of member association	New Zealand Institute of Surveyors
Name and title of contact person	Barry Davidson National Manager
Contact address	PO Box 831 Wellington 6140 New Zealand
Email address	Barry@surveyors.org.nz
<b>Nominator's statement</b>	
Why the association wants to nominate Nominee	NZIS is looking at ways to increase its engagement in FIG activities. Supporting the first NZIS member to seek a Commission Chair is a very tangible way to do that. The nominee has excellent credentials and has served NZIS with distinction. We believe the Nominee would do an excellent job leading Commission 1.
Support the association can offer the Nominee (financial and other)	NZIS is prepared to contribute to travel & accommodation costs.
Any other comments	

<b>Signed</b>	
I hereby certify the above is true and correct	
Date	16.12.11
Nominee	Brian J Coutts
Nominator	 Andrew J Stirling President New Zealand Institute of Surveyors



# Nomination Template for Commission Chair Elect 2013-2014

## Commission no: 1 – Professional Standards and Practice



<b>Nominee</b>	
Name:	Ping XIAO
Member association:	Chinese Society of Geodesy, Photogrammetry and Cartography (CSGPC)
Country:	China
Contact address:	334 Youyi East Road, Xi'an 710054, Shaanxi Province
Email address:	xiaop@shasm.gov.cn
Age:	47
Degrees and educational background:	PhD in photogrammetry and remote sensing, Wuhan Technical University of Surveying and Mapping
Employment history - current position - previous	2005- Present Deputy Director General, Shaanxi Administration of Surveying, Mapping and Geoinformation 1999- 2005 Director General, Shaanxi Geomatics Center, National Administration of Surveying, Mapping and Geoinformation 1990-1999 Professor, Chang'an University
Positions of trust - current - previous	Vice Chairman, Committee on Photogrammetry and Remote Sensing, Chinese Society of Geodesy Photogrammetry and Cartography (CSGPC) President, Shaanxi Provincial Society of Surveying and Mapping
Positions in FIG - current - previous	National Delegate of China for FIG Commission 1 - Professional Standards and Practice
Other activities in FIG	
Field of surveying discipline	Photogrammetry and remote sensing
<b>Nominees statement</b>	
Why I want to be a Commission Chair and what I would like to achieve	I wish to strengthen international exchanges and cooperation in the field of surveying professional standards and practice.
What I can offer to FIG in support of the aims and objectives of the Commission	I wish to coordinate and carry out related activities of the Commission to raise the level of professional standards and practice in the world.
My key skills	Research and teaching in photogrammetry and remote sensing, and management of surveying and mapping programs and organizations
Any other general comments	





## Nomination Template for Commission Chair Elect 2013-2014

<b>Nominator</b>	
Name of member association	Chinese Society of Geodesy, Photogrammetry and Cartography (CSGPC)
Name and title of contact person	Ms. Jiang Xiaohong, Deputy Director for Foreign Affairs Division, National Administration of Surveying, Mapping and Geoinformation
Contact address	28 Lianhuachixi Road, Haidian District, Beijing 100830, China
Email address	info@sbsm.gov.cn
<b>Nominator's statement</b>	
Why the association wants to nominate Nominee	Dr. Ping Xiao has the experience of working in both the academia and the national mapping agency and is well informed of the surveying and mapping professional practice and standards.
Support the association can offer the Nominee (financial and other)	CSGPC will give its full support for Dr. Ping Xiao to be actively engaged in FIG activities as Commission President.
Any other comments	

<b>Signed</b>	
I hereby certify the above is true and correct	
Date	December 30, 2011
Nominee	 Ping XIAO
Nominator	 Weisen LI President of CSGPC



## Nomination for Commission Chair Elect 2013-2014

### Commission no: 2. Professional education

#### Nominee

Name:	Ir. Liza Groenendijk (Elisabeth Maria Cordula)
Member association:	Geo Informatie Nederland
Country:	The Netherlands
Contact address:	University of Twente Faculty of Geo-information Science and Earth Observation (ITC) Department of Urban and Regional Planning and Geo-information Management (PGM) P.O. Box 6 7500 AA Enschede THE NETHERLANDS
Email address:	<a href="mailto:groenendijk@itc.nl">groenendijk@itc.nl</a>
Age:	56
Degrees and educational background:	Tropical Forest Engineer from Wageningen Research University, The Netherlands, graduated in 1982.
Employment history - current position - previous	January 2010- to date ITC-UNU School of Land Administration Studies Portfolio Manager Eastern Africa.  January 2000- to date Faculty of Geo-information Science and Earth Observation, University of Twente. Lecturer at the Urban and Regional Planning and Geo-information Management Department; since January 2010 in Land administration (MSc and PGD Courses).  September 2007 – September 2011 Faculty of Geo-information Science and Earth Observation, University of Twente, Department of Urban and Regional Planning and Geo-information Management. Member of Departmental Management Team (Education Portfolio).



## Nomination Template for Commission Chair Elect 2013-2014

	See for other professional experiences the attached CV.
Positions of trust - current - previous	Not applicable.
Positions in FIG - current - previous	2010 – present Delegate of The Netherlands in Commission 2. Professional Education. 2007 -2010 Working Group Chair; Working Group 2.2. E-Learning of Commission 2. Professional Education.
Other activities in FIG	Chair of the organizing committee of the FIG International Workshop - Sharing Good Practices: E-learning in Surveying, Geo-Information Sciences and Land Administration, 11-13 June 2008. Editor of the proceedings of this workshop. <a href="http://www.fig.net/news/news_2008/enschede_june_2008.htm">http://www.fig.net/news/news_2008/enschede_june_2008.htm</a>  Editor of FIG Publication 46 (2010). Enhancing Surveying Education through e-Learning. A publication of FIG Commission 2 – Professional Education. <a href="http://www.fig.net/pub/figpub/pub46/figpub46.pdf">http://www.fig.net/pub/figpub/pub46/figpub46.pdf</a>
Field of surveying discipline	Land Administration.
<b>Nominees statement</b>	
Why I want to be a Commission Chair and what I would like to achieve	I will continue the work initiated by the earlier commission chairs. In addition I will focus in particular on the following areas: <ul style="list-style-type: none"><li>- networking between education institutes and programs in the North and South,</li><li>- sharing of knowledge and experiences in the domain of professional education, and:</li><li>- innovative approaches in the key areas of the commission.</li></ul>
What I can offer to FIG in support of the aims and objectives of the Commission	<ul style="list-style-type: none"><li>- International experience and network, in particular in developing countries, and:</li><li>- Experience in different aspects of higher education: experience-based learning approaches; intercultural teaching and training, e-learning, and management of education.</li></ul>
My key skills	<ul style="list-style-type: none"><li>- Team worker</li></ul>





## Nomination Template for Commission Chair Elect 2013-2014

	<ul style="list-style-type: none"><li>- Organizer</li><li>- Communicator</li></ul>
Any other general comments	See also the attached CV.

<b>Nominator</b>	
Name of member association	Geo-Informatie Nederland (GIN)
Name and title of contact person	Peter Hoogwerf, Chair
Contact address	Peter Hoogwerf Chair Geo-Information Netherland P.O.Box 3860 BB Nijkerk THE NETHERLANDS
Email address	<a href="mailto:Peter.Hoogwerf@Kadaster.NL">Peter.Hoogwerf@Kadaster.NL</a>
<b>Nominator's statement</b>	
Why the association wants to nominate Nominee	<p>GIN is aware Liza Groenendijk active involvement within FIG. Liza is the right person on the right place in Commission 2 looking to her:</p> <ul style="list-style-type: none"><li>- international experience in many countries worldwide with a focus to learning and educational methods and innovations in this area;</li><li>- her basis at ITC, world wide known and recognized – many colleagues in leading positions in cadastre and topographic organizations started from this renowned institute;</li><li>- involvement in the UNU School for Land Administration Studies at ITC, this is one of the very few places where a MSc programme in Land Administration is running; and</li><li>- always enthusiastic appearance, creative approaches in all her activities, pro-active and motivating attitude.</li></ul> <p>We are sure that FIG will get a well performing commission chair with Liza in Commission 2</p>
Support the association can offer the Nominee (financial and other)	
Any other comments	



# Nomination Template for Commission Chair Elect 2013-2014

## Signed

I hereby certify the above is true and correct

Date

02.02.2012

Nominee

Nominator

nk



## Nomination Template for Commission Chair Elect 2013-2014

**Commission no: 3**

<b>Nominee</b>	
Name:	Enrico Rispoli
Member association:	Consiglio Nazionale Geometri e Geometri Laureati
Country:	Italy
Contact address:	Piazza Colonna, 361 – 00187 Rome
Email address:	<a href="mailto:e.rispoli@cng.it">e.rispoli@cng.it</a> , <a href="mailto:m.scorza@cng.it">m.scorza@cng.it</a>
Age:	56
Degrees and educational background:	<p>Diploma in Surveying from “F. GALIANI” Technical Institute in Chieti;</p> <ul style="list-style-type: none"><li>• Law Degree, with studies focused on forensic and legal/administrative topics and concentration in urban-planning law and land management.</li><li>• Registered in the Roll of Surveyors of Chieti since December 18, 1976;</li><li>• Entered in the special registry of attorneys kept by the Chieti Bar Association since February 1991.</li></ul>
Employment history - current position	<ul style="list-style-type: none"><li>• Cooperation to the drafting of the town planning scheme of the town of Chieti;</li><li>• Participation in the setting up of SIT (Land Information System) in the province of Chieti through the correlation of several kind of spatial information about the use of the land, services, road network, heritage and data population;</li><li>• Owner of a technical and law firm.</li></ul>
- previous	Idem
Positions of trust - current	<ul style="list-style-type: none"><li>• Expert in land management through managerial processes and infrastructure needed for handling data, using information;</li><li>• Expert in decision makers for extensive use of spatial information also within good e-government, sustainable development and control of the environmental impact;</li><li>• Expert in spatial data use for planning and related legal aspects, management of spatial knowledge;</li><li>• Secretary of the Consiglio Nazionale Geometri e Geometri Laureati, headquartered at the offices of the Ministry of Justice, Piazza Colonna, 361, Rome;</li><li>• Administrative Director of the Foundation of Italian</li></ul>



## Nomination Template for Commission Chair Elect 2013-2014

<p>- previous</p>	<p>Surveyors, Via Barberini, 68, Rome;</p> <ul style="list-style-type: none"><li>• Member of Board of Directors of Geoweb S.p.A., Piazza G. Marconi, 14/D, Rome;</li><li>• Member of the Council of European Geodetic Surveyors (CLGE),</li><li>• Member of the European Group of Surveyors (EGoS).</li></ul> <p><b>Awards</b></p> <p>National Award in Urban Planning, Urban Promo – Venice – 2009 Edition, first place for better land-use planning for small historic towns with “General Rules for Protecting and Enhancing the Value of the Architectural, Natural and Rural Heritage of the Municipality of San Martino Sulla Marrucina, in Abruzzo (Province of Chieti), Italy”. Award that was mentioned by the University of Camerino and by the Landscape Commission of the Planning National Institute as one of the most significative Italian work and experience (see attachment).</p> <p><b>Political offices</b></p> <ol style="list-style-type: none"><li>1. Town Councilor of Chieti, 1975/1985 – 1990/1993 – 2005/2010;</li><li>2. Member of the Management Committee of Chieti’s local health authority, 1980/1987 with portfolio for Administrative and Rehabilitation Service;</li><li>3. Mayor of Chieti, the provincial capital with 60,000 inhabitants, from May 1993 to November 1994;</li><li>4. Councilor of Public Works of Chieti, from November 1997 to November 2001;</li><li>5. Deputy Mayor of Chieti from November 2001 to October 2004, with portfolio for Public Works;</li><li>6. President of the Provincial Board of Chieti since June 2009 till today.</li></ol> <p><b>Publications:</b></p> <ol style="list-style-type: none"><li>1. Law, Urban Planning, Environment and Environmental Impact Assessment used as the text book in the post-diploma specialization course offered by “G. Galiani” Technical Institute for Surveyors of Chieti. 1997;</li><li>2. Managing Editor of “Geocentro”, a national technical information magazine, registered with the Court of Rome – twice-yearly circulation of 120,000 copies, from 2004 to</li></ol>
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## Nomination Template for Commission Chair Elect 2013-2014

	2008; 3. Commentator for “Italia Oggi”, national business, legal and political daily published out of Milan.
Positions in FIG - current - previous	<ul style="list-style-type: none"><li>• for Italy since 2006, member of Commission no. 8 since 2007</li><li>• Idem</li></ul>
Other activities in FIG	Local Director of FIG Working Week Rome 2012; Participation in the meetings of Commissions no. 3 and 7
Field of surveying discipline	Preparation of building designs, leader of projects for territorial planning and development, land registry work, technical and legal advice on property, property valuation.
<b>Nominees statement</b>	
Why I want to be a Commission Chair and what I would like to achieve	I would do my utmost to raise awareness of and disseminate the matters handled by Commission no. 3. I would form working groups to carry out research, studies and proposals for understanding factors related to the development of various regions of the world. I would look at the positive aspects of the best systems for territorial development and land management, identify any factors that create problems in the various regions of the country. I would expand the number of participants involved.
What I can offer to FIG in support of the aims and objectives of the Commission	I would offer the other members my knowledge of the subject matters treated by the commission, as well as my technical and organizational experience in order to share to the greatest extent possible the programming and planning culture in protection of the environment and for sustainable development. Based on my experience, I would prepare guidelines and models synthesizing the work of the entire Commission.
My key skills	I am committed to maintaining the high scientific and cultural quality of the Commission’s work. I would make participation in work spontaneous by fostering interested and enthusiastic participation
Any other general comments	I receive, listen and give responses, especially with regard to the proposals of young people, the needs of members from the weakest economic situations, and innovative proposals.

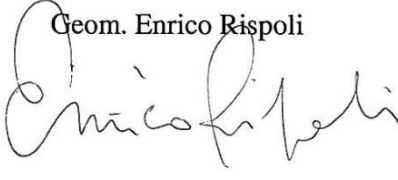
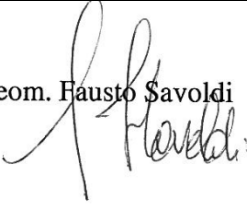
### Nominator





## Nomination Template for Commission Chair Elect 2013-2014

Name of member association	Consiglio Nazionale Geometri e Geometri Laureati
Name and title of contact person	Fausto Savoldi – President of CNGeGL
Contact address	Piazza Colonna, 361 – 00187 Rome
Email address	<a href="mailto:pressavoldi@cng.it">pressavoldi@cng.it</a> , <a href="mailto:m.scorza@cng.it">m.scorza@cng.it</a>
<b>Nominator's statement</b>	
Why the association wants to nominate Nominee	The Nominee has distinguished himself with his particular experience and training in the matters addressed by Commission no. 3, and has gained considerable international experience representing the CNGeGL in international professional organizations in the Mediterranean area, Europe and worldwide.
Support the association can offer the Nominee (financial and other)	The CNGeGL can bear the expenses the Nominee must incur to fully carry out his functions once elected. The CNGeGL provides full operational, institutional and material support for activities to be carried out in agreement with the FIG.
Any other comments	Enrico Rispoli possesses the expertise and interpersonal skills to effectively socialize and communicate in public.

<b>Signed</b>	
I hereby certify the above is true and correct	
Date	20 <sup>th</sup> December 2011
Nominee	Geom. Enrico Rispoli 
Nominator	Geom. Fausto Savoldi 



# Nomination Template for Commission Chair Elect 2013-2014

Commission no: 4

Nominee	
Name:	ANGELA KESIENA ETUONOUBE
Member association:	NIGERIAN INSTITUTION OF SURVEYORS (NIS)
Country:	NIGERIA
Contact address:	17 HOSPITAL ROAD, EKPAN - IARRI DELTA STATE. NIGERIA
Email address:	getuonoub@y400.com
Age:	43
Degrees and educational background:	MSc, GIS & ENVIRONMENT (ONGOING) MBA BUSINESS ADMINISTRATION BSc. SURVEYING, GEODESY, HYDROGRAPHY & PHOTOSURMETRY
Employment history - current position - previous	- PRINCIPAL CONSULTANT, ANSENE SURVEYS & CONSULTANT - PROJECT MANAGER, PICCHAMPS INTERNATIONAL LTD.
Positions of trust - current - previous	- ASSISTANT SECRETARY GENERAL, NIGERIAN INSTITUTION OF SURVEYORS (NIS) - NATIONAL COORDINATOR, WOMEN-IN-SURVEYING
Positions in FIG - current - previous	- CHAIR, WORKING GROUP 4.5. HYDROGRAPHY IN AFRICA 2011-2014 - EDITOR, UNDER-REPRESENTED GROUP 2006-2010
Other activities in FIG	COMMISSION 4 REPRESENTATIVE TO AFRICAN TASK FORCE
Field of surveying discipline	SURVEYING, GEODESY & PHOTOSURMETRY, HYDROGRAPHY

Nominees statement	
Why I want to be a Commission Chair and what I would like to achieve	TO SUSTAIN MY GOAL TO BRING THE BENEFITS & REALITY OF HYDROGRAPHY TO THE WORLD. - TO ENSURE THAT THE GUIDELINES & STANDARD OF HYDROGRAPHY ARE MET.
What I can offer to FIG in support of the aims and objectives of the Commission	TO SUSTAIN HER GOAL TO DEVELOP THE WORLD IN CAPACITY BUILDING, POTENTIALLY AND INFRASTRUCTURALLY.
My key skills	* ABILITY TO COORDINATE & WORK AS A TEAM - PATIENCE IN ENDURING THAT CHALLENGES ARE SURMOUNTED.
Any other general comments	AVAILABLE TO WORK AND TO CARRY OUT ANY ASSIGNED DUTIES

Nominator	
Name of member association	NIGERIAN INSTITUTION OF SURVEYORS
Name and title of contact person	YAKUBU MAIKANO maikano.yakubu@yahoo.co.uk
Contact address	251 HERBERT MACAULAY WAY, ABUJA, NIGERIA
Email address	maikandyakubu@yahoo.co.uk

MAIKANO  
18-11-11





## Nomination Template for Commission Chair Elect 2013-2014

Nominator's statement	
Why the association wants to nominate Nominee	SHE HAS BEEN CONSTANT IN THE AFFAIRS OF COMMISSION 4 AND CHAIR OF W/GROUP 4.5
Support the association can offer the Nominee (financial and other)	AS THE PRESIDENT OF THE NIGERIAN INSTITUTION OF SURVEYORS I CAN CONFIRM THAT WE WILL SUPPORT HER ACTIVITIES.
Any other comments	A STRONG MEMBER OF THE HYDROGRAPHIC SOCIETY NIGERIA

Signed	
I hereby certify the above is true and correct.	
Date	16 NOVEMBER, 2011
Nominee	<del>Benjamin...</del>
Nominator	THE PRESIDENT NIGERIAN INSTITUTION OF SURVEYORS

*[Signature]*  
18-11-11



## Nomination Template for Commission Chair Elect 2013-2014

**Commission no: 5**

<b>Nominee</b>	
Name:	Volker Schwieger
Member association:	DWW
Country:	Germany
Contact address:	University Stuttgart, Institute for Engineering Geodesy (IIGS), Geschwister-Scholl-Str. 24D, D-70174 Stuttgart
Email address:	<a href="mailto:volker.schwieger@ingeo.uni-stuttgart.de">volker.schwieger@ingeo.uni-stuttgart.de</a>
Age:	47
Degrees and educational background:	1989: Dipl.-Ing. Geodesy / Surveying 1998: Dr.-Ing. (PhD) 2004: Habilitation
Employment history - current position  - previous	<ul style="list-style-type: none"><li>- Professor, Director of Institute for Engineering Geodesy (IIGS), University Stuttgart</li><li>- Senior Lecturer, Institute for Applications of Geodesy to Engineering, University Stuttgart</li><li>- Research Associate, GeoForschungsZentrum Potsdam;</li><li>- Research Assistant, Geodetic Institute, University Hannover</li></ul>
Positions of trust - Current  - previous	<ul style="list-style-type: none"><li>- Chair of Arbeitskreis 3 "Messsmethoden und Systeme" (Measurement Methods and Systems) of DWW;</li><li>- Member of Working Group "Geodesy" within "Commission for Standards in Construction" of DIN</li><li>- Member of Working Group "Galileo Geodesy Interface Working Group" der EC/ESA</li><li>- Spokesperson of Centre for Transportation Research at University of Stuttgart (FOVUS)</li><li>- Chair of Working Group "GNSS" of Arbeitskreis 3 of DWW;</li></ul>
Positions in FIG - Current  - previous	<ul style="list-style-type: none"><li>- Vice-Chair Commission 5 "Positioning and Measurement"</li><li>- Chair of Working Group 5.4 "Kinematic Measurements"</li><li>- Chair of Working Group 5.4 "GNSS"</li><li>- Member of Working Group 8.4 "Disaster Risk Management"</li></ul>
Other activities in FIG	<ul style="list-style-type: none"><li>- Responsible author for section "Geodetic Engineering and Satellite-Based Positioning" of FIG publication 38 "The contribution of the Surveying Profession to Disaster Risk Management"</li><li>- Author of fact sheet "GNSS CORS Networks Principles"</li><li>- Co-author of FIG publication 49 "Cost Effective GNSS Positioning Techniques"</li><li>- Author of the Paper of the Month in August 2007: "High-Sensitivity GNSS – The low cost future GPS?!"</li><li>- Co-author of the Paper of the Month in December 2009: "GNSS"</li></ul>





## Nomination Template for Commission Chair Elect 2013-2014

	Coors – Reference Frames and Services"
Field of surveying discipline	Measurement Techniques, Positioning and Navigation
<b>Nominees statement</b>	
Why I want to be a Commission Chair and what I would like to achieve	<ul style="list-style-type: none"> <li>- FIG plays the central role for the surveying profession world-wide, especially it is bridging the gap between teaching and practice.</li> <li>- Therefore I would like to contribute to strengthen FIGs role in society and with respect to other disciplines.</li> <li>- Commission 5 "Positioning and Measurements" reflects an essential field within the FIG and the surveying disciplines in general.</li> <li>- Hence I would like to work out the importance of geodetic measurement science as a key skill of the surveying profession for daily life and geo-related management tasks.</li> </ul>
What I can offer to FIG in support of the aims and objectives of the Commission	<p>Due to my available academia-practise network and the infrastructure of University Stuttgart, I can support</p> <ul style="list-style-type: none"> <li>- Working Weeks and Regional Conferences by organization of technical and plenary sessions,</li> <li>- the edition of FIG publications e.g. related to guidelines for handling of measurement instruments,</li> <li>- the organization of tutorials and workshops related to Commission 5,</li> <li>- the management of the Commission as well as the Working Groups as e.g. GNSS, Kinematic Measurements, Reference Frames, Standards.</li> </ul>
My key skills	<ul style="list-style-type: none"> <li>- Teaching experience (academic and vocational)</li> <li>- Project management and project-related research</li> <li>- Networking for academia and practice</li> </ul>
Any other general comments	The current working atmosphere within Commission 5 is very productive and progressing.

<b>Nominator</b>	
Name of member association	DWV – German Society for Geodesy, Geo-Information and Land Management
Name and title of contact person	Prof. Dr.-Ing. Karl-Friedrich Thoene DWV President
Contact address	DWV Office c/o Dipl.-Ing. Christiane Salbach Feierabendstrasse 12 D-79235 Vogtsburg-Oberrotweil Germany
Email address	<a href="mailto:karl-friedrich.thoene@dwv.de">karl-friedrich.thoene@dwv.de</a>
<b>Nominator's statement</b>	
Why the association wants to nominate Nominee	Volker Schwieger is nationally and internationally well reputed as a high qualified expert in the field of surveying instruments. Moreover, Schwieger has gained a FIG experience at least as a member of Commission 5, which is running in parallel to his chairmanship of the DWV Study Group "Measurement Methods and Systems" on both a scientific and practical level. DWV appreciates very much Schwieger's capability of promoting



## Nomination Template for Commission Chair Elect 2013-2014

	communication between the FIG Commission 5 and the experts standing behind the national Study Group "Measurement Methods and Systems".
Support the association can offer the Nominee (financial and other)	DWW will offer any necessary personal, financial and institutional support to the nominee as we have done in the past.
Any other comments	

### Signed

I hereby certify the above is true and correct

Date	19 <sup>th</sup> November 2011
Nominee	<i>[Signature]</i>
Nominator	<i>[Signature]</i>



## Nomination Template for Commission Chair Elect 2013-2014

**Commission no:**

6

### Nominee

Name:	Dr. Milev, Ivo
Member association:	Union of Surveyors and Land Managers in Bulgaria, DVW Germany
Country:	Germany
Contact address:	Hektorstr. 21; 10711 Berlin Germany
Email address:	<a href="mailto:ivo.milev@technet-rail.de">ivo.milev@technet-rail.de</a> ; ivo.milev@beuth-hochschule.de
Age:	48
Degrees and educational background:	PhD. In Geodesy and Civil engineering
Employment history - current position - previous	Managing Director technet- rail GmbH Scientific Director technet; Lecturer Beuth University of Applied Sciences
Positions of trust - current - previous	
Positions in FIG - current - previous	Chair of Study group 6.2.2 “Laser Scanners”
Other activities in FIG	Co-organizer of FIG Commissions 6 Workshops for the countries of central and east Asia  <b>“INNOVATIVE TECHNOLOGIES FOR AN EFFICIENT GEOSPATIAL MANAGEMENT OF EARTH RESOURCES”</b>
Field of surveying discipline	Engineering Surveying – Deformation Analysis ; Laser scanning


### Nominees statement

Why I want to be a Commission Chair and what I would like to achieve	Raising the international role of engineering surveying and more active exchange with other International organization bodies like UN, RTCM. Standardization effort.
What I can offer to FIG in support of the aims and objectives of the Commission	Activities and Contacts in the Russian speaking part of the world, networking in the field of commercial companies and enterprises
My key skills	Management, scientific
Any other general comments	



## Nomination Template for Commission Chair Elect 2013-2014

<b>Nominator</b>	
Name of member association	Union of Surveyors and Land Managers in Bulgaria
Name and title of contact person	Prof. Dr.-Ing. Georgi Milev – President; Prof.Dr.-Ing. Georgi Valev – Vice President
Contact address	108, Rakovski Str., POB 431, Sofia, Bulgaria
Email address	geodesy-union@fnts.bg;
<b>Nominator's statement</b>	
Why the association wants to nominate Nominee	Mr. Milev is one of the most active of international level presented Bulgarian speaking person. Active member of the Bulagrian Union of Surveyors
Support the association can offer the Nominee (financial and other)	
Any other comments	

<b>Signed</b>	
I hereby certify the above is true and correct	
Date	01.02.2012
Nominee	Milev
Nominator	 Valev





# Nomination Template for Commission Chair Elect 2013-2014

**Commission no: 7**

## Nominee

Name:	Claire GALPIN
Member association:	Ordre des géomètres experts (OGE France)
Country:	FRANCE
Contact address:	14 rue des anciens moulins 88240 BAINS LES BAINS - FR
Email address:	claire.galpin@wanadoo.fr
Age:	53
Degrees and educational background:	Master degree
Employment history - current position - previous	Land surveyor (from 22 years) and international consultant (from 15 years)
Positions of trust - current - previous	Member of International/Europa Commission of OGE Chairman of Géomètres sans frontières (GSF France) landsurveyors without borders
Positions in FIG - current - previous	Current > Vice chairman commission 7 in charge of communication
Other activities in FIG	N/A
Field of surveying discipline	Land management, surveying and land policies

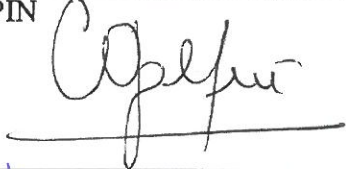
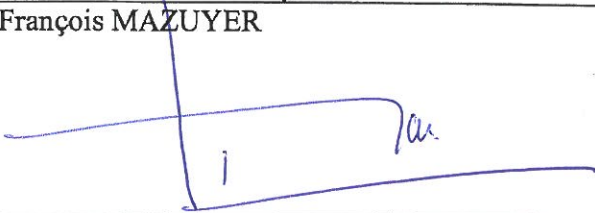
## Nominees statement

Why I want to be a Commission Chair and what I would like to achieve	<p>I want to share experience with all specialists around the world</p> <p>I would like open FIG more to French and Spanish speaking countries.</p> <p>I want sustain implementation of new vision and ideas about land management and cadastre ( cadastre 2034)</p> <p>I would like help protecting people against landgrabbing, and disseminating new image of land surveyor and cadastre</p> <p>I would like promote Gender in FIG.</p>
What I can offer to FIG in support of the aims and objectives of the Commission	<p>International experience international in French and Spanish speaking countries and large network on 3 continents. Others are very well represented in Commission7.</p> <p>Time and management of new technologies</p>
My key skills	Optimistic, organized, responsive, proactive
Any other general comments	



## Nomination Template for Commission Chair Elect 2013-2014

<b>Nominator</b>	
Name of member association	Ordre des Géomètres Experts - OGE
Name and title of contact person	Mr François MAZUYER OGE President
Contact address	40 avenue Hoche 75008 Paris FRANCE
Email address	francois.mazuyer@geometre-expert.fr
<b>Nominator's statement</b>	
Why the association wants to nominate Nominee	Considering her true commitment within FIG activities along the last years, her professional experience abroad and her undeniable expertise in cadastral issues, OGE wants to nominate Mrs Claire GALPIN
Support the association can offer the Nominee (financial and other)	OGE can provide Mrs Claire GALPIN with intellectual and professional support to complete her work within FIG Commission 7
Any other comments	

<b>Signed</b>	
I hereby certify the above is true and correct	
Date	31/12/2011
Nominee	Claire GALPIN 
Nominator	François MAZUYER 



## Nomination Template for Commission Chair Elect 2013-2014

**Commission no: 7 / Cadastre and Land Management**

<b>Nominee</b>	
Name:	Gerda SCHENNACH
Member association:	Austrian Society for Surveying and Geoinformation (OVG)
Country:	Austria
Contact address:	p.a. BEV Buergerstrasse 34 6020 Innsbruck, Austria
Email address:	<a href="mailto:gerda.schennach@bev.gv.at">gerda.schennach@bev.gv.at</a>
Age:	55
Degrees and educational background:	High school (natural science), 1974, exam Commercial College, Innsbruck/Austria, 1975, diploma Technical University Innsbruck and Vienna Institute of Technology, 1980, graduation as Dipl. Ing. (geodesy)
Employment history - current position - previous	since 1998 senior Advisor for European affairs and GI in the Headquarters of BEV 1983-1998 Head of regional Cadastral offices (Reutte and Schwaz) since 1981 affiliated to BEV Technical University of Vienna, Dept. of Mathematical Analysis, scientific Associate 1978-1981
Positions of trust - current - previous	Founding Member and Secretary General of Austrian Umbrella Organization for GI (AGEO) since 1998, re-elected several times Member of Executive Board of Austrian Society for Surveying and Geoinformation (OVG- FIG member assoc.) since 1998, re-elected several times Permanent Correspondent of BEV in several European institutions (EuroGeographics, Eurostat e.a.) Member of Executive Board of European Umbrella Organisation for GI (EUROGI), 2008-2011 Organiser of 12 <sup>th</sup> EC-GI&GIS Workshop on "ESDI: From Inspiration to Implementation" in Innsbruck, 2006 Secretary-General of European Council of Geodetic Surveyors (CLGE), 1998-2007 Vice-Chair of Working Group for equal rights in the Austrian federal Ministry of Economy, Youth and Family since 2005 Member of German Society for Geodesy, Geoinformation and Land Management (DVW), since 1984





## Nomination Template for Commission Chair Elect 2013-2014

	Technical Expert in EU FP6 and FP7 scientific programmes, since 2004
Positions in FIG - current - previous	Vice-Chair of Commission 7 and Chair of WP 7.3 "Cadastral perspectives" for term 2011-2014 Member of Working Group "Cadastre 2014", 1994-1998 Delegate to Commission 7 since 1994 Vice-Chair of Administration of Commission 3 from 1990-1994
Other activities in FIG	Member of WG of Under-represented Groups in Surveying, since 2000 Organiser of International Workshop of FIG Commission 7 on "e-land Administration" in Innsbruck, 2004 Organiser of FIG Commission 7 Annual Meeting in Innsbruck, 2011 Organiser of FIG International Symposium on "Cadastre 2.0" in Innsbruck in 2011 Attendant of FIG Congresses and international Seminars as speaker in sessions organised by Commission 3, 7 and 1, since 1994 Member of Austrian delegation to General Assemblies of FIG since 1990
Field of surveying discipline	Cadastre, Land Management, C&LM systems, e-government, Public sector information, profession and qualification, governments structures, European affairs and impacts on the profession and the public services, Spatial Data Infrastructures, Geographic Information, International co-operation.
<b>Nominees statement</b>	
Why I want to be a Commission Chair and what I would like to achieve	From my long-term experience in all kinds of activities related to land management I consider the role taken by FIG Commission 7 to be an important one in future challenges handling land management in all parts of the world. New technology, changes in societies and special interest in land and rights require new ideas and structures for land management and FIG is a very appropriate community of international experts to provide a pool of independent experts for sharing knowledge and taking lead in discussion processes. Acting as a chair of FIG Commission 7 and working for this international association my focus will be to establish a network together with the future heads of the WGs within the Commission and with relevant associations and NPOs and to



## Nomination Template for Commission Chair Elect 2013-2014

	<p>start initiatives for innovation and for promoting a more open land management in all parts of the world thus addressing decision-makers as well as land owners and citizens.</p> <p>One of the objectives will be to involve regional stakeholders and to encourage them to take over an active role within the Commission's scope and/or as members of FIG. Land management needs to be considered as a basic tool of society and democracy.</p>
What I can offer to FIG in support of the aims and objectives of the Commission	<p>My contribution for the support of the aims and objectives of FIG are</p> <ul style="list-style-type: none"> <li>- long term experience in daily practice and strategic planning</li> <li>- dense network among professionals from land management all over the world from private and public sector and from international NGOs and industry</li> <li>- high commitment and enthusiasm to keep up FIG's global role as an independent pool of high level experts and as a provider of knowledge and coordination</li> <li>- broad field of knowledge from related fields of interest, such as public administration, structures of professional associations, infrastructures, private public partnership models e.a.</li> <li>- permanent links to many international associations and institutions from private and public sector</li> <li>- excellent skills for networking and establishing contacts and for identifying future trends and challenges</li> </ul>
My key skills	<p>According to my long-term practice my key skills are in</p> <ul style="list-style-type: none"> <li>- organisation and networking</li> <li>- co-ordination of groups with different views and finding common points of interest</li> <li>- to align professional ideas with governmental structures and orchestrate partners in ongoing processes</li> <li>- developing the role of international and national associations as key partners in decision making processes</li> <li>- economic/technical intersections</li> <li>- building models of private/public co-operation</li> </ul>
Any other general comments	



<b>Nominator</b>	
Name of member association	Austrian Society for Surveying and Geoinformation (OVG)
Name and title of contact	Mr. Dipl. Ing. Gert Steinkellner, President of OVG





## Nomination Template for Commission Chair Elect 2013-2014

person	
Contact address	Schiffamtsgasse 1-3, 1020 Wien, Austria Tel +43/(0)1 21110 2714
Email address	<a href="mailto:gert.steinkellner@bev.gv.at">gert.steinkellner@bev.gv.at</a>
<b>Nominator's statement</b>	
Why the association wants to nominate Nominee	<p>Mrs. Gerda Schennach has been a very active representative of OVG in FIG Commission 3 and Commission 7 for many years and has picked up visionary topics for the international FIG Workshop 2004 and the Symposium 2011, which were followed by a number of FIG initiatives started from these events.</p> <p>Networking and establishing permanent links between OVG and national partner associations as well as with international associations and/or NPOs is one of the merits of Mrs. Schennach during her term of office as member of the Executive Board of OVG.</p> <p>Her enthusiasm and commitment to work for the benefit of the profession and for the objectives of FIG is to be seen as an important asset for the function of a Commission 7 Chairperson.</p>
Support the association can offer the Nominee (financial and other)	<p>OVG will support Mrs. Gerda Schennach in case of being elected by co-funding travel costs and operational costs for running the daily business resulting from the function.</p> <p>BEV, to which the nominee is affiliated, will provide assistance for office facilities and travel costs as well as for operational support.</p>
Any other comments	

<b>Signed</b>	
I hereby certify the above is true and correct	
Date	29 Dec 2011
Nominee	 Gerda Schennach
Nominator	 Gert Steinkellner



# Nomination Template for Commission Chair Elect 2013-2014

**Commission no: 7**

<b>Nominee</b>	
Name:	Daniel Steudler
Member association:	geosuisse
Country:	Switzerland
Contact address:	Federal Office of Topography swisstopo Seftigenstrasse 264 CH-3084 Wabern SWITZERLAND
Email address:	Daniel.Steudler@swisstopo.ch
Age:	53
Degrees and educational background:	<ul style="list-style-type: none"> <li>- PhD, Univ. Melbourne, Australia (2004)</li> <li>- M.Sc.Eng., UNB, Canada (1991)</li> <li>- Licensed cadastral land surveyor (1985)</li> <li>- Dipl. Kulturingenieur ETH Zurich, Switzerland (1984)</li> </ul>
Employment history - current position	<ul style="list-style-type: none"> <li>- Lecturer at Ecole Polytechnique Fédérale de Lausanne (EPFL) and Eidg. Technische Hochschule Zürich (ETHZ), since 2005</li> <li>- Swiss Federal Directorate for Cadastral Surveying (since 1991): supervision and consulting of several Swiss Cantons, project manager for metadata base, member in several national commissions and working groups, project manager for coordination of national address data</li> </ul>
- previous	<ul style="list-style-type: none"> <li>- Research assistant at ETH Zurich (1986-88)</li> <li>- Cadastral surveying field work with Canton of Geneva (1985)</li> <li>- Database programming at ETH Zurich (1984)</li> </ul>
Positions of trust - current	Direct operational responsibility in cadastral surveying for Cantons of Obwalden (1991-2000, since 2011) and of Nidwalden (since 2011)
- previous	- Manager of "SWISSCadastre International" (public-private partnership initiative) at Swiss Federal Office of Topography (swisstopo), 2005-2010
Positions in FIG - current	<ul style="list-style-type: none"> <li>- Delegate of Swiss member association geosuisse to FIG-Commission 7 (since 2002)</li> <li>- Chair of FIG-Task Force on «Spatially Enabled Society» (2009-2012)</li> </ul>
- previous	<ul style="list-style-type: none"> <li>- Vice Chair Commission 7 and Chair of Working Group 7.3 (2006-2010)</li> <li>- Co-author of «Cadastral Template» project (2003) and caretaker (since 2003)</li> </ul>





## Nomination Template for Commission Chair Elect 2013-2014

	<ul style="list-style-type: none"> <li>- Secretary Working Group 7.1 (1998-2002), co-author of "Benchmarking Cadastral Systems"</li> <li>- Secretary Working Group 7.1 (1994-1998), co-author of "Cadastre 2014"</li> </ul>
Other activities in FIG	<ul style="list-style-type: none"> <li>- Representative of Comm. 7 in FIG Standards Network (since 2007)</li> <li>- Reviewer for several peer-reviewed papers for FIG-Working Weeks and Congresses (since 2006)</li> <li>- Participation in several FIG related meetings and events (since 1994)</li> </ul>
Field of surveying discipline	<ul style="list-style-type: none"> <li>- Cadastre, Land administration, Land management</li> </ul>
<b>Nominees statement</b>	
Why I want to be a Commission Chair and what I would like to achieve	<ul style="list-style-type: none"> <li>- to bring the profession of land surveyors and landmanagers forward in their undertakings of making a difference in urgent global issues</li> <li>- to continue and foster the cooperation of Commission 7 with relevant UN organizations</li> <li>- to contribute with my knowledge, network and experiences</li> <li>- to enable and develop contacts between surveying landmanagement professionals on a global level</li> </ul>
What I can offer to FIG in support of the aims and objectives of the Commission	<ul style="list-style-type: none"> <li>- long standing participation since 1994 in activities of Commission 7</li> <li>- maintain values and strengths of Commission 7</li> <li>- member in several international networks (FAO, World Bank, WPLA, Eurogeographics, Universities)</li> </ul>
My key skills	<ul style="list-style-type: none"> <li>- to liaise, to network and to coordinate</li> <li>- to feel trends and developments</li> <li>- to listen and integrate</li> </ul>
Any other general comments	<ul style="list-style-type: none"> <li>- languages: German, French, English</li> </ul>

<b>Nominator</b>							
Name of member association	geosuisse – suisse association for Geomatics and Landmanagement (www.geosuisse.ch)						
Name and title of contact person	Rudolf Küntzel, President of geosuisse						
Contact address	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">geosuisse</td> <td style="width: 40%;">Tel. 032 624 65 16</td> </tr> <tr> <td>Postfach 832</td> <td>Fax 032 624 65 08</td> </tr> <tr> <td>CH-4501 Solothurn</td> <td>E-mail: info@geosuisse.ch</td> </tr> </table>	geosuisse	Tel. 032 624 65 16	Postfach 832	Fax 032 624 65 08	CH-4501 Solothurn	E-mail: info@geosuisse.ch
geosuisse	Tel. 032 624 65 16						
Postfach 832	Fax 032 624 65 08						
CH-4501 Solothurn	E-mail: info@geosuisse.ch						
Email address	rudolf.kuentzel@geosuisse.ch						
<b>Nominator's statement</b>							
Why the association wants to	Daniel Steudler is an experienced member of Commission 7.						







# Nomination Template for Commission Chair Elect 2013-2014

**Commission no: 8 – Spatial Planning and Development**

## Nominee

Name:	Chan Yuk Ming, Raymond (Mr)
Member association:	The Hong Kong Institute of Surveyors
Country:	Hong Kong SAR
Contact address:	Room 308, Empire Centre 68 Mody Road, Tsimshatsui, Kowloon, Hong Kong
Email address:	<a href="mailto:ymc@rsl.com.hk">ymc@rsl.com.hk</a>
Age:	56
Degrees and educational background:	Associateship in Surveying, Hong Kong Polytechnic University, 1982
Employment history - current position - previous	Managing Director, Raymond Chan Surveyors Limited (current) Lecturer, The Hong Kong Polytechnic University (previous) Building Surveyor, Buildings Ordinance Office, Hong Kong Government (previous)
Positions of trust - current - previous	Chairman of Planning and Development Division, Hong Kong Institute of Surveyors (current) Member of Town Planning Board, HKSAR Government (current) President of the Hong Kong Institute of Surveyors (previous) Chairman of Surveyors Registration Board (previous)
Positions in FIG - current - previous	Member of FIG Task Force on Property and Housing (current)
Other activities in FIG	FIG Working Week 2011
Field of surveying discipline	Building, Property & Facility Management, Planning & Development

## Nominees statement

Why I want to be a Commission Chair and what I would like to achieve	I wish to promote the sharing of experience on spatial planning & development matters among different areas in the world.
What I can offer to FIG in support of the aims and objectives of the Commission	Organise seminars and discussion forums to enable practitioners from all over the world to exchange their idea & share their experience on spatial planning & development matters.
My key skills	Building Surveying and Development Planning
Any other general comments	

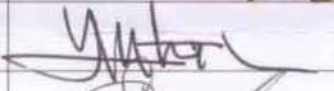
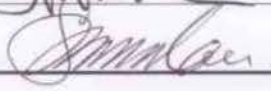
## Nominator

Name of member association	The Hong Kong Institute of Surveyors
Name and title of contact person	Ms. Margaret Yung
Contact address	Suite 801, 8 <sup>th</sup> Floor, Jardine House, One Connaught Place, Central, Hong Kong
Email address	<a href="mailto:info@hkis.org.hk">info@hkis.org.hk</a>



# Nomination Template for Commission Chair Elect 2013-2014

Nominator's statement	
Why the association wants to nominate Nominee	Mr. Chan is trusted to be a capable & suitable person to help the promotion of FIG and particularly the works in Commission 8.
Support the association can offer the Nominee (financial and other)	Provide clerical, technical & financial assistance to Mr. Chan in discharging his duties as Commission Chair Elect.
Any other comments	

Signed	
I hereby certify the above is true and correct	
Date	22 nd December, 2011
Nominee	 CHAN YUK MING, RAYMOND
Nominator	 SERENA LAU, PRESIDENT



## Nomination Template for Commission Chair Elect 2013-2014

**Commission no:8**

<b>Nominee</b>	
Name:	KWAME TENADU
Member association:	GHANA INSTITUTION OF SURVEYORS
Country:	REPUBLIC OF GHANA
Contact address:	F104/3 ABOOM WELLS ROAD. P.O. BOX CC 564, CAPE COAST, GHANA
Email address:	<a href="mailto:tenaduk@yahoo.com">tenaduk@yahoo.com</a> / <a href="mailto:kwametenadu@gmail.com">kwametenadu@gmail.com</a> <a href="http://www.geozenithghana.com">www.geozenithghana.com</a>
Age:	52
Degrees and educational background:	Certificate in surveying; Diploma in Geodetic Engineering; Master of Arts in Environmental Management and Policy
Employment history - current position - previous	<ol style="list-style-type: none"><li>1. Managing Director of Geo Zenith Limited</li><li>2. Chairman of Central Region Shipper Committee of the Ghana Shippers Authority</li><li>3. President of Licensed Surveyors Association of Ghana</li></ol>
Positions of trust - current - previous	<ol style="list-style-type: none"><li>1. Regional Chair of Ghana Institution of Surveyors, Central from 2001 to date</li><li>2. Board Member, Association for the protection of Archaeological and Historical Sites (APHAS) 1998 – date</li><li>3. Central Region Chamber of Commerce from 2002-2004</li><li>4. Member of the Governing Council of Ghana Institution of Surveyors (GhIS) from 2001 – 2005</li><li>5. Advisor on land and property to the Catholic Archdiocese of Cape Coast since 2009</li><li>6. Member of the Cape City project of the Catholic Church since 2009</li></ol>
Positions in FIG - current - previous	<ol style="list-style-type: none"><li>1. Active Commission 8 Member for several years (From 2005 till date)</li><li>2. Chair of Accommodation and Technical Visit for FIG/GhIS Regional Conference in Accra, Ghana, in 2006</li><li>3. Chair of Technical Sessions and Rapporteur at working session and Regional conferences at XXIV International Congress 11-16 April, 2010 in Sydney Australia</li></ol>





## Nomination Template for Commission Chair Elect 2013-2014

	<ol style="list-style-type: none"><li>4. 2010 Ghana Commission 8 delegate to the XXIV FIG INTERNATIONAL CONGRESS 11 – 16 April, Sydney participating in the following function in capacities as listed below;<ol style="list-style-type: none"><li>I. Chair of TS 2E: Climate Change and Environmental Threats;</li><li>II. Chair of TS 4E: Coasts and Natural Resources;</li><li>III. Rapporteur of TS 5J: Spatial Information for Climate Change Monitoring and other Natural Disasters Management;</li><li>IV. Chair of FS 4E: Critical Infrastructure Development.</li></ol></li><li>5. Core Member of the Africa Task Force of Commission 8 and a key resource person in conferences and workshops 2009 &amp; 2010.</li></ol>
Other activities in FIG	<ol style="list-style-type: none"><li>1. Involved in Commission 4 activities on hydrographic survey awareness creation in Africa (held at Lokoja, Nigeria on 24-26 November 2011)</li><li>2. Presented a paper at this conference on Hydrographic survey in Ghana</li><li>3. Received award from working group 4.5 of Commission 4 (Hydrography) for service to the survey profession in Africa; 25<sup>th</sup> November 2011</li><li>4. As a core member of the FIG's Africa Task Force under its five year mandate, is to build capacity and provide training through workshops for Africa Land professionals in the areas of sustainability, resilience and urban development<ul style="list-style-type: none"><li>○ Building capacity and needs assessments for Land professional Associations in Africa</li><li>○ Planning and implementing workshops on selected themes</li><li>○ Workshop facilitator</li><li>○ Liaison of International Federation of Surveyors (FIG) and the Ghana Institution of Surveyors</li></ul></li><li>5. 2010 - Mombasa, Kenya: Institute of Surveyors (ISK) Kenya/FIG Africa Task Force; As core member and workshop facilitator on developing "TOOLS" for</li></ol>



## Nomination Template for Commission Chair Elect 2013-2014

	<p>African Land professionals in managing Peri-urban development; providing routes for infrastructure and slum prevention.</p> <ul style="list-style-type: none"> <li>○ Workshop facilitator</li> <li>○ Presentation of papers</li> </ul> <p>6. 2010 - Mombasa, Kenya: Global Land Tool Network (GLTN); as workshop facilitator and trainer on gender evaluation criteria for African Land professionals.</p> <p>7. Attended RICS/FIG/FAO conference on establishing voluntary guidelines on responsible governance on tenure of land and other natural resource in London, UK (from 25-26 January 2010.)</p> <p>8. Presented paper on Standards and Quality Assurance; A Need for the Professional Land Surveyor in Implementing the Land Administration Project (LAP), Ghana under commission 1; ( FIG Working Week 2008 in Stockholm, Sweden)</p>
Field of surveying discipline	Land Surveying and; Environmental Policy & Management
<b>Nominees statement</b>	
Why I want to be a Commission Chair and what I would like to achieve	<p>Capacity building and technology transfer through professional networking and knowledge management will be key in attaining sustainable development across the globe. While Africa lags behind in development, I personally have a vision and a mission of using traditionally established systems, tried and tested norms of developing societies to advance sustainable development.</p> <p>My key focus will be to integrate western development concepts with standards and norms of developing countries. I would also specifically focus on creating synergies between the Anglophone and Francophone National Surveying Associations.</p> <p>I would use my skills and training in gender, pro poor land management principles in engendering societal values.</p>
What I can offer to FIG in support of the aims and objectives of the Commission	<ol style="list-style-type: none"> <li>1. Commitment, service and unflinching support in developing and deploying ways and means of achieving set objectives of the Commission</li> <li>2. Strategic alignment of resources of Member Associations in bridging gaps and offering training and capacity building across the globe.</li> <li>3. Strategic leadership for the implementation of road maps and agenda of the Commission</li> </ol>
My key skills	Multi Lingual, (English – good; French –fair; Spanish – fair) inter personal skill, communicator, training and facilitation in



## Nomination Template for Commission Chair Elect 2013-2014

	gender issues, leadership, team building and professional educator. Community and Cooperate Governance.
Any other general comments	Africa abounds in natural and human resources however lack of, and or absence proper planning systems has been cited as one the key reason for the many challenges facing the continent. Sharing knowledge amongst and between professional associations becomes very useful and it is my hope that my election will provide an opportunity to sharing ideas across the world.

<b>Nominator</b>	
Name of member association	GHANA INSTITUTION OF SURVEYORS
Name and title of contact person	Surv. ROBERT DWAMENA, FGhIS, PRESIDENT, GHANA INSTITUTION OF SURVEYORS, PALMA HOUSE ACCRA - GHANA
Contact address	P.O.BOX 916, ACCRA, GHANA
Email address	<a href="mailto:info@ghisonline.org">info@ghisonline.org</a>
Website	<a href="http://www.ghisonline.org">www.ghisonline.org</a>
<b>Nominator's statement</b>	
Why the association wants to nominate Nominee	<ul style="list-style-type: none"><li>➤ Surv. Kwame Tenadu MGhIS, has participated at a number of FIG Congresses and;</li><li>➤ Has been a Facilitator and a Resource Person at a number of FIG WWs, ATF Workshops (see dates above);</li><li>➤ Has been the voice of Ghana Institution of Surveyors at WWs, etc when the Institution could not be present, having paid his way without its support.</li></ul>
Support the association can offer the Nominee (financial and other)	<ul style="list-style-type: none"><li>➤ Ghana Institution of Surveyors will endeavour to offer all necessary support to Surv. Kwame Tenadu, would need to a true ambassador of Commission 8, face of Africa and the Institution.</li><li>➤ Where he will need financial support GhIS will assist if in a position to do so, or assist in obtaining sponsorship.</li><li>➤ Will ensure he delivers as Commission 8 Chair with utmost efficiency, while assisting him get Surveyors in Ghana to participate fully in all FIG programs and activities.</li></ul>
Any other comments	Ghana has not been able to play a very effective role in FIG programs and activities and we believe the time is now for it to have a face and a link.



## Nomination Template for Commission Chair Elect 2013-2014

**Signed**

I hereby certify the above is true and correct

Date	December 23, 2011
Nominee	<i>Surv. Kwame Tenadu Sur</i> MGh.IS
Nominator	Surv. Robert Dwamena FGh.IS





# Nomination Template for Commission Chair Elect 2013-2014

**Commission no:9**

## Nominee

Name:	LIAO Junping
Member association:	China Real Estate Appraisers and Agents
Country:	China
Contact address:	Lingnan College, Sun Yat-sen University, 135 Xin Gang Xi Road, Guangzhou, 510275, China
Email address:	liaojp@mail.sysu.edu.cn
Age:	48
Degrees and educational background:	PhD, Economics MSc, Management BSc, Civil Engineering
Employment history - current position - previous	Professor, Sun Yat-sen University, China
Positions of trust - current - previous	
Positions in FIG - current - previous	
Other activities in FIG	Representative of CIREA to FIG
Field of surveying discipline	Real estate appraisal and economics

## Nominees statement

Why I want to be a Commission Chair and what I would like to achieve	To promote the vision of FIG to China, the country with the most population of the world. To share the experience from China with the members of FIG To make more understanding between the members of FIG.
What I can offer to FIG in support of the aims and objectives of the Commission	CIREA is the organization of real estate appraisers and agents. It maintains good relations with the organizations in appraisal and agency industry of many countries. As the Vice President of CIREA and if I could be the Chair of Commission 9, I will work with the delegates from other real estate related organizations, to work out more industrial standards.
My key skills	Communicating ability. Cooperativeness.
Any other general comments	I've involved in the activities within FIG for ten years and have worked with three Chairs of Commission 9 and the other members in Commission 9 and other commissions. I've learnt much from them and have been looking forward to





# Nomination Template for Commission Chair Elect 2013-2014

\_\_\_\_\_ serving them with my efforts.

## Nominator

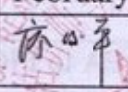
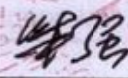
Name of member association	China Real Estate Appraisers and Agents
Name and title of contact person	Dr. Chai Qiang, Executive Vice President and Secretary-general
Contact address	11th Floor, Building 7, Interwest Business Center, 9 Shou Ti South Road, Haidian District, Beijing
Email address	Dr.Chq@263.net

## Nominator's statement

Why the association wants to nominate Nominee	Dr. Liao is the Vice President of CIREA and has co-worked with FIG for many years as the representative of CIREA to FIG. He has rich experiences in international cooperations and has good communication with colleagues in FIG.
Support the association can offer the Nominee (financial and other)	CIREA will support Dr. Liao's activities with FIG with financing and logistics.
Any other comments	

## Signed

I hereby certify the above is true and correct

Date	February 6 <sup>th</sup> , 2012
Nominee	
Nominator	







**CHAMBER OF  
GRADUATED  
SURVEYORS**

# BID FOR HOSTING



## *FIG Working Week 2015* **BULGARIA**

*Preferred event dates: 8 - 15 May 2015 or  
17 - 24 April 2015*

*Host body: Chamber of Graduated Surveyors*

*Host contact: Mr. Angel Yanakiev, Chairman*

*Under the aegis of the President of the  
Republic of Bulgaria*

*Under the aegis of the University of Archi-  
tecture, Civil Engineering and Geodesy*



*Unity makes strength  
L'union fait la force  
Einigkeit macht stark  
Съединението прави силата*

# Inviting



Yordanka Fandakova

MAYOR OF SOFIA MUNICIPALITY



It is with great pleasure as a Mayor of Sofia to invite you to consider Sofia for your forthcoming event. Over the millennia, the excellent geographical location has made the settlement a natural crossroads of civilizations and cultures. Sofia has always attracted not only travellers and dreamers, but also entrepreneurs and success-seekers. The city was proclaimed a capital in 1879 and this promoted its rapid establishment as a major political, administrative, economic, scientific and educational centre of the country. The motto of *Sofia Grows but does not age* is in harmony with its modern development: continuous construction of modern buildings, provision of high-quality conference and hotel facilities. The city is an attractive destination for business events, for staging significant international forums in different areas.

Regardless of your dynamic programme, you will certainly find nice places to relax – gardens and parks, cozy restaurants, numerous cultural and historical sites, exhibitions, shows, concerts... And of course, you will be able to select the right gift for your beloved ones. Even a short walk around the shops for traditional souvenirs will help you feel the spirit of the preserved Bulgarian crafts. In the shopping centres of the city you will find pieces of the most prestigious brands: fashion, cosmetics, jewelry, sports accessories... Sofia is the right place for those who enjoy culinary art – from fine international cuisine to original Shopp dishes of the region. Do not miss to feel the magic of folk rhythm by listening to the unique voices of the Bulgarian country-side singers, recognised as world cultural heritage.

I hope each of you will have unforgettable moments here. Sofia – ancient and modern, a city of business opportunities, is expecting you!

# Welcoming



Traycho Traykov

MINISTER OF ECONOMY,  
ENERGY AND TOURISM



On behalf of the Ministry of Economy, Energy and Tourism, I am pleased to invite you to hold your event in our capital city. The greatest benefits of Sofia are an exciting cultural, culinary and natural landscape but also value for money and a range of new or newly renovated venues and facilities that can accommodate and serve various exhibitions, meetings and conferences for up to 5000 participants. Sofia hosted the 2009 Annual Meeting of the Presidents and Secretaries-General of the Economic and Social Councils of the EU Member States and the European Economic and Social Committee, the 5th International Congress for South-East Europe on Energy Efficiency and Renewable Energy Sources, the 8th Regional Meeting of National Authorities of States Parties in Eastern Europe, the 36th European Physical Society Conference on Plasma Physics and the 62nd Summer Congress of NATO Reserve Officers. We highly estimate the importance of the meetings and hospitality industry as a major player in the economy of Bulgaria and we are proud to support this strategic partnership and the initiative of the business meeting sector to move the city marketing industry forward. Looking ahead, we anticipate more opportunities and success in the future.

See you in Sofia!



# About Bulgaria

- Bulgaria is located in Southeast Europe, in the northeast part of the Balkan Peninsula. It is a European, Balkan, Black Sea and Danube country. This geographic location places it on the crossroad between Europe, Asia and Africa.
  - The natural landscape of Bulgaria is diverse, consisting of lowlands, plains, foothills and plateaus, river valleys, basins, and mountains of varying elevations. The highest Bulgarian mountains are in the Rila and Pirin ranges, situated to the east of the Struma River valley. In Rila there are 31 peaks with an altitude of over 2,600 m. The highest peak on the Balkan Peninsula - Musala (2,925 m) is located there.
  - The territory of Bulgaria has been inhabited since antiquity, as the country's many ancient settlements and burial mounds attest. Present-day Bulgaria was a cradle of some of the earliest civilizations in Europe – the oldest gold ornament ever discovered, unearthed in the Chalcolithic necropolis near Varna, is evidence of that.
  - In 1946 the country was declared a republic and the Bulgarian Communist Party came to power. The democratic changes in Bulgaria started at the end of 1989. Since 1991, Bulgaria has been a member of the Council of Europe, and in 2004 Bulgaria became a member of NATO. In 1995, it filed an application to join the European Union, with negotiations commencing in 1999. On 25 April 2005, the Accession Treaty granting the Republic of Bulgaria the right to join the European Union was signed in Luxemburg. On 1 January 2007, after fulfilling all membership criteria, Bulgaria became a full-fledged member of the European Union.
- An important part of Bulgarian culture is folk music and national dances, such as the horo. Instruments typically used to perform Bulgarian national music are the fiddle, the mandolin, the kaval (flute), the gaida (bagpipe), the pipe, the dvoynka (double pipe), the drum and the taranbuka, another percussion instrument.
- UNESCO's memorials in Bulgaria are unique objects of tangible and intangible culture and natural landscape. Their conservation and popularization demand serious care both from the state and the local authorities and civil movements. Monuments under UNESCO's protection in Bulgaria and the year of their declaration:
    - Boyana Church – 1979;
    - Rock-Hewn Churches of Ivanovo – 1979;
    - Tomb of Kazanlak – 1979;
    - Madara Rider – 1979;
    - Nessebar – 1983;
    - Pirin National Park – 1983;
    - Rila monastery – 1983;
    - Srebarna National Reserve – 1983;
    - Tomb of Sveshtari – 1985;
    - The Bistritsa Babi – 2005
  - Probably the most important symbol of Bulgaria is the ritual of making and giving martenitsas for health and happiness at the beginning of March. For Bulgarians this is a symbol of the year's renewal, again intended to promote health and successful harvests
  - Bulgarian cuisine is exceptionally diverse and delicious, consisting of various salads, breadstuffs, stews, and other local dishes. Many of the dishes are prepared according to traditional recipes handed down from generation to generation over the centuries. The most products for which Bulgaria is internationally known are yogurt and white brine (feta) cheese. Bulgaria is justly famous for its wines. Thanks to the country's unique climate and soils, a variety of grapes thrive here. Everyone who would like to taste wine tourism can use some simple guidelines to ensure that they get greater pleasure and satisfaction from the experience.



# About Sofia

- The capital of Bulgaria offers unique opportunities for combining business with pleasant rest and interesting places to visit. The city is located at the foot of Mount Vitosha (Cherni Vrah Peak, 2286m). This magnificent mountain resort, well equipped with state-of-the-art skiing facilities is easily accessible by road or cabin and chairlifts.
- From the very outskirts of the city, only an hour drive away is the beautiful resort of Borovets – a popular place for skiing and tourism.
- In close proximity to the capital are the Pancherevo and Iskar lakes, offering excellent opportunities for fishing, windsurfing and yachting.
- Sofia is one of the most ancient cities in Europe. The town was set up and grew on a strategic crossroads, where the Via Militaris, connecting Western and Central Europe with the Middle East and Asia, intersected with another important thoroughfare, linking the North and the South—from the Baltic to the Aegean Sea.
- The Sofia vast and fertile plain was part of the most ancient European civilization dated back to the 7th–6th millennium BC. An early agrarian Neolithic settlement located in the eastern parts of the present day city, brings evidence that of all European capitals Sofia has the deepest roots in the past and they stem from the earliest European civilization.
- It is an accepted fact that the central core– the „heart of the city“—is the most valuable tourist resource of the capital. The city has however a great potential for up-graded cultural routes. Within the boundaries of the city centre, 14 group and 829 single architectural and archaeological sites have received the status of cultural heritage monuments.
- Built in Neo-Byzantine style, the Alexandar Nevski Cathedral is the largest church monument on the Balkan Peninsula, fascinating the visitors with its breathtaking paintings of biblical scenes and saints. The Crypt of the Cathedral exhibits over 300 icons tracing the development of Bulgarian icon painting. The Boyana Church is one of the most valuable monuments of Bulgarian and European culture boasting frescoes, acclaimed by specialists as the best examples of eastern medieval art during its twelve century history .
- The National Museum of History in Sofia is one of the most prominent history museums on the Balkans with 650,000 artefacts and the richest archaeological archive on display.
- The acclaimed Sofia Opera House and Philharmonic Orchestra share the stage with performing artists from around the world and attracts a continual stream of visitors.
- Bulgaria's biggest international and domestic airport is just a 15 minute drive from the city centre, with 500 flights and 21 passenger airlines flying to Sofia each week.
- Sofia boasts an extensive array of modern meeting facilities.
- An excellent selection of international standard of accommodation at competitive prices.
- Over 150 restaurants and night clubs in the city offering a wide choice of local and international cuisine and nightlife entertainment
- Air Access, Direct Flights to Sofia





# FIG and Bulgaria

## Chamber of Graduated Surveyors

Chamber of Graduated Surveyors has been established in 2006 to answer the increasing volume of work for surveyors, which is in progress, and the need of equalization of the activities that could be performed and the certificates issued by the European Union.

It is non-government organization, which unites graduated surveying engineers. Its main aim is to support, encourage, regulate and promote the interests of all its members and to increase the value of their services to the public. With its activity it will provide support for its members to continue their professional development and keeping them informed for the national and international standards in the field of surveying, cartography and photogrammetry.

In accomplishing our basic goals the Chamber of Graduated Surveyors maintains a close partnership with the universities that provide education for surveyors and together we organize qualification courses, post graduated education as well as courses for professional qualification, where members can promote and exchange profession knowledge.

For our success we developed contacts with similar professional organizations - local and international. We participate in organizing conferences, seminars, exhibition and other displays in order to keep our members informed with up-to-date innovations in the field of surveying.

In this order, we believe that hosting FIG Working Week 2015 is a natural step in our development representing our experience.

## History

■ The Union of Surveyors and Land Managers in Bulgaria under the chairmanship of Prof. Peevski is member of the Federation since 1959 (26th session of the Permanent Committee in Krakow). Our country has been a host of 5 international symposiums of the Federation in 1964, 1972, 1978, 1985, 1991. The Union organized the XVII Congress of the Federation and the 50th meeting of Permanent in 1983 in Sofia. This is the first and only Congress of the Federation, which was held in one of the former socialist countries. A decision to place the Congress was taken on the 43rd session of the Permanent Committee in Ibadan (Nigeria) in 1976. It also hosted the 31st meeting of Permanent Committee in 1964 in Sofia.

■ For a 4-year period from 1982 to 1985 it detached 5 people members of the Bureau of the Federation (out of 7).

- Prof. Vasil Peevski – President
- Engineer Boris Krastev - Vice President
- Dr. Ivan Katsarski – Secretary-General
- Prof. George Zlatanov – Treasurer
- Eng. Milanov - Congress Director.

The other two vice presidents were Mr. Charles Henry Uir (Canada) and Prof. Hans-Rudolf Dyuchler (Switzerland).

■ The Joint FIG Commission 3 and 7 Workshop and 2010 Annual Meeting of Commission 3 took place in Sofia, on the 15-17 of November. The Workshop was organized by FIG Commissions 3 and 7 and the Chamber of Graduated Surveyors of Bulgaria. The meeting was the 4th Workshop of FIG Commission 3 in the four-year term of office 2007-2010.





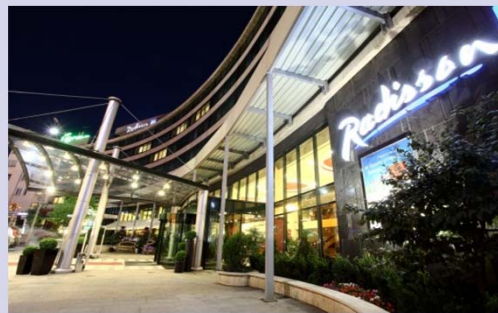
# Air Access, Direct Flights to Sofia

TIRANA, Albania	BOLOGNA, Italy
VIENNA, Austria	MILAN, Italy
BRUSSELS, Belgium	ROME, Italy
CHARLEROI, Belgium	VENICE, Italy
BOURGAS, Bulgaria	BEIRUT, Lebanon
VARNA, Bulgaria	TRIPOLI, Lebanon
LARNACA, Cyprus	MALTA, Malta
PAPHOS, Cyprus	AMSTERDAM, The Netherlands
PRAGUE, Czech Republic	EINDHOVEN, The Netherlands
COPENHAGEN, Denmark	WARSAW, Poland
PARIS, France	BUCHAREST, Romania
BERLIN, Germany	MOSCOW, Russia
COLOGNE, Germany	BARCELONA, Spain
DORTMUND, Germany	MADRID, Spain
DUSSELDORF, Germany	MALAGA, Spain
FRANKFURT, Germany	PALMA DE MALLORCA, Spain
MUNICH, Germany	VALENCIA, Spain
ATHENS, Greece	ZURICH, Switzerland
BUDAPEST, Hungary	ISTANBUL, Turkey
TEL AVIV, Israel	KIEV, Ukraine
BERGAMO, Italy	LONDON, United Kingdom
MANCHESTER, United Kingdom	



# Surrounding Hotels

- Sofia offers a wide range of options and rate categories to suit meetings of any size. You will find high international standard of accommodation at competitive prices.
- In the immediate vicinity of the Venue, there are 3, 4 and 5 star hotels with total capacity exceeding 2, 000 rooms and other 3-star hotels within 10 minutes, bringing the total number of rooms to 3, 000.
- The city boasts more than 5, 000 rooms with the prospect of having their number increased to 6, 000 by 2014.



NAME	CATEGORY	DISTANCE TO THE VENUE	ROOM CAPACITY
<b>SOFIA HILTON</b> <a href="http://www.sofia.hilton.com">www.sofia.hilton.com</a>	*****	8 min. WALK	245
<b>KEMPINSKI ZOGRAFSKI</b> <a href="http://www.kempinski.com">www.kempinski.com</a>	*****	5 min. DRIVE	446
<b>RADISSON SAS</b> <a href="http://www.sofia.radissonsas.com">www.sofia.radissonsas.com</a>	*****	10 min. DRIVE	136
<b>SHERATON SOFIA</b> <a href="http://www.luxurycollection.com/sofia">www.luxurycollection.com/sofia</a>	*****	5 min. DRIVE	188
<b>GRAND HOTEL SOFIA</b> <a href="http://www.grandhotelsofia.bg">www.grandhotelsofia.bg</a>	*****	7 min. DRIVE	122
<b>RODINA</b> <a href="http://www.rodina.bg">www.rodina.bg</a>	****	7 min. DRIVE	450
<b>DOWNTOWN</b> <a href="http://www.hotel-downtown.net">www.hotel-downtown.net</a>	****	5 min. WALK	62
<b>CENRAL PARK</b> <a href="http://www.centralparkhotel.bg">www.centralparkhotel.bg</a>	****	5 min. WALK	77
<b>SILVER HOUSE</b> <a href="http://www.hotelsilverhouse.com">www.hotelsilverhouse.com</a>	****	10 min. DRIVE	103
<b>FESTA SOFIA</b> <a href="http://www.festasofia.com">www.festasofia.com</a>	****	10 min. DRIVE	120
<b>HEMUS SOFIA</b> <a href="http://www.hemushotels.com">www.hemushotels.com</a>	***	10 min. WALK	214
<b>LOZENETZ</b> <a href="http://www.lozenetzhotel.com">www.lozenetzhotel.com</a>	***	10 min. WALK	30
<b>NIKY</b> <a href="http://www.hotel-niky.com">www.hotel-niky.com</a>	***	10 min. WALK	23



# National Palace of Culture - Congress Centre Sofia

- The National Palace of Culture – Congress Centre Sofia is the largest multifunctional complex in South-eastern Europe. The Centre combines professional services and modern technology with an exclusive atmosphere and provides excellent conditions for holding a variety of events – congresses, symposia, seminars, presentations, product launches, exhibitions, business meetings and functions. Located in the city centre, the Centre is surrounded by a number of 4 & 5 star hotels just minutes away. Only 15 minute drive from Sofia International Airport, the Congress Centre is easily accessible via public transport.



## SERVICES OFFERED BY THE VENUE:

- 123 000 sq.m. area on 8 floors and 3 underground levels
- 15 rooms with capacity ranging from 100 to 4,000 seats
- Exhibition area exceeding 17,000 sq.m.
- Advanced technology combined with an exclusive atmosphere
- ATM, travel agency, cafes and restaurants
- CCTV and Wi-Fi internet access
- Large Printing centre
- 3 TV Stations, dry cleaning and shopping centre
- Parking for more than 300 cars
- Wheelchair access.
- Catering services – coffee breaks, lunches, receptions, gala dinners, parties and cocktails



# Accolades

The Venue works in close collaboration with some of the world's most important institutions, including UNESCO and NATO.

The National Palace of Culture-Congress Centre Sofia is the winner of the following industry awards:

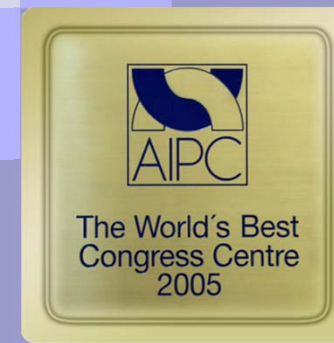
*2010 Runner-up at the AIPC Apex Award for World's Best Congress Centre*

*2009 New European Economy Silver Award for Best Congress Centre*

*2008 European Business Assembly Quality Award for continuous efforts to achieve European quality in accordance with the European Standards*

*2005 AIPC Apex Award for World's Best Congress Centre.*

*2003 Runner-up at the AIPC Apex Award for World's Best Congress Centre.*





# Current Date and Venue Availability

Please see below current date availability at the National Palace of Culture-Congress Centre Sofia for venues suggested in this proposal.

8 - 15 May 2015 (with priority)

or

17 - 24 April 2015

Please advise at your earliest opportunity should you wish place a provisional booking for either of the aforementioned date periods.

A “provisional” booking signifies that your interest in dates has only been recorded. Provisional bookings do not create any legally binding contract or commitment on either party. Provisional bookings are subject to written confirmation by the NPC (at its complete discretion) and are also subject to execution of both parties of a Hire Agreement and receipt by the NPC of a deposit. Until satisfaction of each of these conditions, the NPC reserves the right at its absolute discretion to cancel any provisional booking.

# Access

- Located in the central part of Sofia, the Venue is within short distance of the main hotels, business establishments, numerous historical and architectural monuments and buildings.
- 18 km/11.2 miles from Sofia International Airport.
- Shuttle is available from the Airport and the nearby hotels to the Venue on request.
- 2.5 km/1.5 miles from the Central Railway and Bus Stations (5 min drive).
- The Venue is fully accessible for wheelchairs.





# FIG WORKING WEEK 2015

BULGARIA, Sofia,

EXPENSES	Unit Cost (Euro)	Number		Total Cost (Euro)	GRD TTL (Euro)
<b>1.General Expenses</b>					<u>190 594</u>
1.1.HALLS RENT				<u>60 691</u>	
1.2.TECHNICAL EQUIPMENT & SERVICES				<u>14 239</u>	
1.3.SESSION FACILITIES incl. branding, flowers,poster area & poster boards info board, security, conference tables, special sessions refreshments, coffee, refreshments,sandwiches/sweets,hostesses				<u>24 066</u>	
1.4. Pre- conference visit incl.Travel expenses, Hotel, Food, Transportation (domestic)		4		<u>7 144</u>	
1.5. ORG Committee expenses incl.					
1.5.1.FIG staff accommodation	120	16	nights	<u>1 920</u>	
1.5.2.INDIVIDUAL EXPENSES FOR FOC ( no PF) participants	242	49	pax	<u>11 862</u>	
1.6. SOCIAL EVENTS & ceremony incl. Official Dinners, Local Reception, Opening Show				<u>26 435</u>	
1.7. TRANSPORT incl.					
1.7.1.SHUTTLE CONGRESS CENTER - Hotels	236	10	5 h-ls*2t/d	<u>11 780</u>	
1.7.2.Transfers	12	49	directions	<u>1 176</u>	
1.7.3.Conference minibus	178	9	days	<u>1 601</u>	
1.8. FIG EXPENSES incl.					
1.8.1.Web Site	1000	1		<u>1 000</u>	
1.8.2. Pre announcement	2	3000		<u>6 000</u>	
1.8.3.Second announcement	3	2000		<u>6 000</u>	
1.8.4.Final program	4	800		<u>3 200</u>	
1.8.5.Posters	2	200		<u>400</u>	
1.8.6.DOCUMENTS	0,05	1600		<u>80</u>	
1.8.7.FIG TAX	10	800		<u>8 000</u>	
1.8.8.FIG LOGO	5000	1		<u>5 000</u>	
<b>2.INDIVIDUAL Expenses( PARTICIPATION FEE) for REGULAR PARTICIPANTS incl.</b>		<u>768</u>		<u>242</u>	<u>185 913</u>
Welcome Reception at Bulgarian Governmental Residence	50	1		<u>50</u>	
Farewell Party	25	1		<u>25</u>	
Luncheons	16	5		<u>78</u>	
Coffee breaks	6	10		<u>60</u>	
Delegate's set incl.bag, note pad, pen,badge, CD	29	1		<u>29</u>	
<b>3.INDIVIDUAL Expenses( PARTICIPATION FEE) for ACCOMPANYING PERSONS incl.</b>		<u>32</u>		<u>167</u>	<u>5 351</u>
Welcome Reception at Bulgarian Governmental Residence	50	1		<u>50</u>	
Farewell Party	25	1		<u>25</u>	



Shopping day incl lunch	30	1		<u>30</u>	
Sofia city tour incl lunch	36	1		<u>36</u>	
AP's kit incl souvenir, badge & invitations	26	1		<u>26</u>	
<b>4. CONFERENCE dinner INCL SHOW &amp; transportation</b>	75	<b>342</b>			<b>25 680</b>
<b>5. NATIONAL DINNER &amp; PARTY INCL SHOW &amp; transportation</b>	60	<b>200</b>			<b>12 018</b>
<b>6. 2 days Tour incl. 1 night, foods,transport, taxes,guide</b>	191	<b>119</b>			<b>22 715</b>
	unit/day/sq.m.	days	sq.m.	<b>nbr stands</b>	
<b>7. EXHIBITION incl. 9 sq.m.furnished stand 7 days, incl 2 FOC Representatives (no PF)</b>	26	<b>7</b>	<b>9</b>	<b>35</b>	<b>57 742</b>
<b>GRANG TOTAL Expenses</b>					<b>500 014</b>
<b>INCOMES</b>	<b>Unit Cost (Euro)</b>	<b>Number</b>		<b>Total Cost (Euro)</b>	<b>GRD TTL (Euro)</b>
<b>1. INCOMES</b>					
<b>1. PARTICIPATION FEES</b>		<b>800</b>			<b>443 296</b>
<b>1.1 EARLY FEES REGULAR</b>	520	224		<b>116 480</b>	
<b>1.2 LATE FEES REGULAR</b>	650	336		<b>218 400</b>	
<b>1.3 EARLY FEES NATIONALS</b>	520	112		<b>58 240</b>	
<b>1.4 LATE FEES NATIONALS</b>	650	48		<b>31 200</b>	
<b>1.5 EARLY FEES STUDENTS</b>	160	29		<b>4 608</b>	
<b>1.6 LATE FEES STUDENTS</b>	250	19		<b>4 800</b>	
<b>1.7 EARLY FEES ACCOMPANYING PERSONS</b>	260	13		<b>3 328</b>	
<b>1.8 LATE FEES ACCOMPANYING PERSONS</b>	325	19		<b>6 240</b>	
	unit/day/sq.m.	days	sq.m.	<b>nbr stands</b>	
<b>2. EXHIBITORS STANDS</b>	55	<b>5</b>	<b>9</b>	<b>35</b>	<b>86 625</b>
<b>3. CONFERENCE DINNER</b>	95	<b>342</b>			<b>32 528</b>
<b>4.NATIONAL DINNER</b>	80	<b>200</b>			<b>16 024</b>
<b>5.TOUR</b>	229	<b>119</b>			<b>27 258</b>
<b>6.SPONSORS</b>					<b>100 000</b>
<b>GRANG TOTAL INCOMES</b>					<b>705 731</b>
<b>BALANCE</b>					<b>205 718</b>

We have attached the proposal budget for the upcoming event - FIG Working Week 2015 in Bulgaria that we consider for reliable and positive for both organizationst - FIG and Chamber of Graduated Surveyors.

I believe that our partnership will be successful .

Best Regards,  
Dipl. Eng. Angel Yanakiev  
President of the Chamber of Graduated Surveyors  
Bulgaria

**Nepal Institution of Chartered Surveyors  
(NICS)  
Kathmandu, Nepal**



**Bid Proposal for Hosting  
FIG Working Week 2015  
in Kathmandu, Nepal**

**Submitted to**

**International Federation of  
Surveyors (FIG)**

November, 2011



**नेपाल इन्स्टिच्युसन अफ चार्टर्ड सर्भेयर्स**  
**NEPAL INSTITUTION OF CHARTERED SURVEYORS**

चि. प्र. का. काठ. दर्ता नं.: १९२६/२०६५  
समाज कल्याण परिषद:-२५०२१  
पत्र संस्था:-

Kath. Reg. No.1126/2008  
Social Welfare Council:25021

November 30, 2011

To

**The President**  
**International Federation of Surveyors (FIG)**  
**Copenhagen, Denmark**

Dear Sir,

It is with great pleasure and honor that we express our intention to bid for the privilege to host the FIG Working Week 2015 in Kathmandu, the capital city of beautiful Himalayan country in Nepal. We believe, this is the first attempt from a south Asian country to host an event of such kind. Nepal, being the safest and attractive destination for international visitors in South Asia, deserves strong candidacy in this context. Furthermore, strong willingness from the government agencies including Survey Department, the National Mapping Organization of the country, and Land Management Training Center, and Kathmandu University to support this event has boosted up our confidence to successfully organize the event.

We look forward to be given this immense privilege to host the FIG Working Week 2015 and will do all that is within our capability to ensure 'the best value of money', professionally rewarding, pleasant and memorable experience to all the participants of the event.

Thank you.

Yours sincerely,

*Buddhi Narayan Shrestha*

**Buddhi Narayan Shrestha**  
**President**  
**Nepal Institution of Chartered Surveyors (NICS)**

## **Bid Proposal to Host FIG Working Week 2015**

International Federation of Surveyors (FIG) has announced a call for bid to host FIG Working Week 2015. In this context, Nepal Institution of Chartered Surveyors (NICS) has expressed its interest to host the week in Kathmandu, the capital city of Nepal, and has submitted this proposal.

### **Hosting Organization: Nepal Institution Chartered Surveyors (NICS)**

Nepal Institution of Chartered Surveyors (NICS) is an association of licensed surveyors of Nepal licensed under the provision of Article 11(E) of Land (Surveying and Mapping) Act, 1963. It was established in 2008 aiming to contribute in professional development in the country along with professional security of its members. The association is dedicated and determined to follow up the code of conduct, norms, standard and specification set by the concerned government department and organization. Furthermore, NICS is the only professional association that is a member association of International Federation of Surveyors (FIG) in Nepal.

### **The Country Context**

Federal Democratic Republic of Nepal is a landlocked Himalayan country in South Asia, surrounded by China in the North and India in the East, South and West. The country has the area of 147,181 Km<sup>2</sup>. Preliminary result of the census 2011 shows the population of the country as 26.6 million. The country is in the stage of restructuring. Administratively, the country is currently divided into 5 Development Regions, 14 Zones, 75 Districts, 58 Municipalities/ 3913 VDCs The country has heavenly countryside. It has multi-lingual, multi-ethnic, and diverse culture. The country is famous for Mt. Everest and the birth place of Lord Buddha. There are about 5000 surveyors practicing in the government and private sector in the country.

### **Rationale of Hosting FIG Working Week in Nepal**

Nepal is the safest destination for international visitors in South Asian region. Even during the time of a decade long violent conflict in the country that lasted till 2006, it was a safe place to visit for international visitors. The country hosted 23<sup>rd</sup> Asian Conference on Remote Sensing (ACRS) in 2002 with grand success, at the time when the country was suffering from the violent

conflict. After the reinstatement of peace in 2006, the country is progressing towards socio economic developing of the country. The country is not only a safe place for visit but also a country of attractive touristic destination. On the other hand, no any FIG event has been conducted in South Asian Region until now. Therefore, the country deserves sufficient rationale to host the event.

## Introduction to the Hosting City, Kathmandu

Kathmandu is the capital city of Nepal. The city is the largest metropolitan city of the country. The city stands at an elevation of approximately 1,400 metres in the bowl-shaped valley in central Nepal surrounded by four major hills, namely: Shivapuri, Phulchowki, Nagarjun and Chandragiri. Kathmandu valley is part of three districts, Kathmandu, Lalitpur and Bhaktpur districts. The city is the nerve centre of the country's economy. With the most advanced infrastructure among urban areas in Nepal, Kathmandu's economy is tourism centric. The city's rich history is nearly 2000 years old, as inferred from an inscription in the valley. It has historic temples with pagodas, temple of living goddess *Kumari*, attractive places, historical palaces, etc. The climate of the city is fairly pleasant. Average temperature in the months of April/May is about 12 °C to 28 °C, which is one of the peak touristic seasons of the country.

## Supporting Organizations

Following organizations have shown their strong willingness to support the event:

- a) **Survey Department:** Survey Department, under the Ministry of Land Reform and Management, is the National Mapping Organization of Nepal. The department is also an affiliate member of FIG. The department is the organization with the largest numbers of surveyors. ([www.dos.gov.np](http://www.dos.gov.np) )
- b) **Land Management Training Center:** Land Management Training Center is also an organization under the Ministry of Land Reform and Management. The center produces surveyor by conducting various kinds of training courses. The center is an academic member of FIG. ([www.lmtc.gov.np](http://www.lmtc.gov.np) )
- c) **Kathmandu University, Department of Civil and Geomatics Engineering:** Kathmandu University is the only university to the date of conduct academic course in Geomatics Engineering in the country. The university conducts undergraduate level

courses in Geomatics Engineering and produces about 25 survey graduates each year. The university is also preparing for launching Master's course in Land Administration and Geomatics Engineering in the future, in collaboration with the University of Twente, Faculty of Geoinformation Science and Earth Observation, ITC, the Netherlands. Ministry of Land Reform and Management of the Government of Nepal is also supporting these academic initiatives of the university. ([www.ku.edu.np](http://www.ku.edu.np))

## Fee Structure

Fee structure has been proposed as follows:

### a) International Participants

<i>Early Registration Fees</i>			<i>Late Registration Fees</i>		
Conference	Accompanying Person	Students	Conference	Accompanying Person	Students
USD 750	USD 300	USD 250	USD 1,000	USD 500	USD 300

### b) Nepalese Participants

<i>Early Registration Fees</i>			<i>Late Registration Fees</i>		
Conference	Accompanying Person	Students	Conference	Accompanying Person	Students
NRs. 5,000	NRs. 2,500	NRs. 2,000	NRs. 7,500	NRs. 3,000	NRs. 3,000

Full registration fee and students' registration fee are planned to include admission to the General assemblies, all technical sessions, exhibition, welcome reception, and coffee breaks. For the technical and social tours and Farewell banquet participants are to register and pay separately. The fee for social tour in Kathmandu Valley will be approximately about USD 50 per person whereas the farewell banquet will be charged approximately USD 30. These prices can vary depending upon the number of participants. Furthermore, USD 15 will be included in the registration fee of the International participants for FIG Foundation. Donations for FIG Foundation are always welcome. Free registrations will also be offered as per the FIG decisions and agreements. An amount equivalent to 2% of the early registration fees will be allocated to subsidize the participation or waving the registration fee of presenter(s) of peer reviewed paper(s) from the developing country or under representative group or students. NICS will also

explore sponsorship or financial support from the government organizations in the country. The royalties will be shared by NICS and FIG on fifty-fifty basis. The budgetary issues can be further negotiated with the FIG.

## Expected Participants

Following is the expectation of participants. However, the expectation does not have any scientific basis.

- International Participants with Full Registration Fee: 500
- Accompanying participants: 50
- International Students: 100
- Local Participants: 200

## Venue

The proposed venues for the event are:

- a) **Birendra International Convention Center (BICC).** This center is located at the center of Kathmandu Valley. Currently, the center is being used by the Constituent Assembly and Legislative Parliament of the country. The center has state-of-the-art facilities for conferences and conventions with sophisticated audio, video, lighting, communications,



catering, ventilation and parking facilities. In 2002, 23<sup>rd</sup> Asian Conference on Remote Sensing (ACRS) was organised in this center. This center meets all the requirements to organize FIG events.

- b) **Soaltee Crown Plaza.** Soaltee Crown Plaza, a five star hotel in the country, can be considered as an alternative venue for the event. The hotel is spread over 11 acres of space surrounded by manicured gardens and with



views of the mountain ranges. The hotel has sufficient facilities to organize international event like FIG Working Week.

## **Proposed Date**

Second Week of April, 2015

## **Arrangement during the Working Week**

The activities during the working week including opening ceremony, technical conferences, meeting, social tours, exhibitions, social events, closing ceremony will be organized as scheduled by FIG. Most probably, the Prime minister of the country will be the Chief Guest of the Opening Ceremony. Details of the program will be developed in consultation with FIG.

## **Hotels in Kathmandu**

Kathmandu has a number of international class hotels to suit every one's fancies and finance. Soaltee Holiday Inn Crown Plaza, Hotel Yak & Yeti, Hotel Everest, Hotel Annapurna, Hotel Radisson, Hotel Hyatt and Hotel Le Meridian are the five star hotels in Kathmandu. The other hotels are Hotel Dwarikas, Summit Hotel, Shanker Hotel, etc. One can also find cheap hotels in the city with affordable accommodation and safety.

## **Contact Person and Address**

**Mr. Buddhi Narayan Shrestha**

President

Nepal Institution of Chartered Surveyors (NICS)

55 Shabda marg

Bagbajar, Kathamndu-31, Nepal

Telephone no . +977(1) 4254181

Fax no. + 977(1) 4440766

e-mail address. [bordernepal@gmail.com](mailto:bordernepal@gmail.com)





National Agency for Cadastre  
and Land Registration

Agenția Națională de Cadastru  
și Publicitate Imobiliară



Union of Romanian Geodesy

Uniunea Geodezilor din  
România



Romanian Association of  
Private Surveyors

Asociația Patronală de  
Cadastru, Geodezie și  
Cartografie

To: FIG Office, Mr. Markku VILLIKKA – FIG Director

Dear Mr. Director Markku VILLIKKA,

The **National Agency for Cadastre and Land Registration (ANCP)** – as a state institution responsible with the coordination of the geodesy, cartography and cadastre activities on the territory of Romania, the **Union of Romanian Geodesy (UGR – FIG member)** – as a professional association of the specialists in these fields and the **Romanian Association of Private Surveyors (APCGC– FIG member)** – as a representative of the private companies that activate in the mentioned domains, have analyzed together your letter sent on 12<sup>th</sup> of October 2011 (*“Call for bids to host FIG Working Week 2015 or 2016”*).

We all consider that the City of Bucharest, the capital of Romania, fulfils the necessary requirements in order to host in optimal conditions one of the two FIG events. We also strongly believe that the local FIG associations, benefiting from the support of the Romanian local and central associations, have the organizational capability and the human resources to ensure, through cooperation with FIG, the full success of such an event. In this regard, we would like to mention the *2nd European Conference on Cadastre, Bucharest, Romania, 6-7 May 2010*, manifestation that was highly appreciated by all participants. The Conference was organized by the European Council of European Geodetic Surveyors (CLGE) in cooperation with the *Romanian Association of Private Surveyors*, the *Romanian Geodetic Union* and the Romanian

*Agency of Cadastre and Land Registration.*

Taking into account the above mentioned aspects, we would like to present you our bid to host the **FIG Working Week 2015** or the **FIG Working Week 2016**.


We trust that the FIG Council will evaluate positively our offer and will include it among its recommendations for the FIG General Assembly scheduled to be held in Rome, in May 2012.

Yours sincerely,

Mihai BUSUIOC,  
ANCR General Director



Johan NEUNEER  
UGR President



Valentin MANOLACHE,  
APCG President



National Agency for Cadastre  
and Land Registration

Union of Romanian Geodesy

Romanian Association of  
Private Surveyors



*Agencia Națională de Cadastru și  
Publicitate Imobiliară*

*Uniunea Geodezilor din România*

*Asociația Patronală de Cadastru,  
Geodezie și Cartografie*

# BID

to host

***FIG Working Week 2015***

or

***FIG Working Week 2016***

**Bucharest,  
30 November 2011**

## **CONTENT**

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## The bidders

### Union of Romanian Geodesy



The **Union of Romanian Geodesy (UGR)** is the main professional association of the roumanian specialists in geodesy, cartography, surveying and cadastre. UGR is FIG member.

### Romanian Association of Private Surveyors



The **Romanian Association of Private Surveyors (APCGC)** is a representative of the private companies that activate in the mentioned geodesy, cartography and cadastre domains. APCGC is FIG member.

### National Agency for Cadastre and Land Registration



The **National Agency for Cadastre and Land Registration (ANCPI)** is the state institution responsible with the coordination of the geodesy, cartography and cadastre activities on the territory of Romania



## Timing

We propose the following timetables for the two events, namely the second half of April and the month of May.

We estimate that each event will last ten days, including the administrative meetings (two days) that precede the official opening and the post-conference tours (at least two days).

Excluding the term that includes the 1<sup>st</sup> of May (which in Romania is traditionally a day off and in 2016 it is Easter) result the periods presented below.

Taking into account the local conditions, any of the respective periods is acceptable and depends on your appreciation to select the most convenient one.

2015								Proposed periods
	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
April	13	14	15	16	17	18	19	17-26 April 8-17 May 15-24 May 22-31 May
	20	21	22	23	24	25	26	
	27	28	29	30	1	2	3	
May	4	5	6	7	8	9	10	
	11	12	13	14	15	16	17	
	18	19	20	21	22	23	24	
	25	26	27	28	25	30	31	

2016								Proposed periods
	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
April	11	12	13	14	15	16	17	15-24 April 6-15 May 13-22 May 20-29 May
	18	19	20	21	22	23	24	
	25	26	27	28	29	30	1	
May	2	3	4	5	6	7	8	
	9	10	11	12	13	14	15	
	16	17	18	19	20	21	22	
	23	24	25	26	27	28	29	

## Venue

As location for each of these events, we propose the City of Bucharest, the capital of Romania.

The main coordinates of the city are:

*Geographical position:* 44°56'N, 26°06'E;

*Area:* 228 km<sup>2</sup>;

*Population:* 2 000 000;

*Altitude:* 56 ... 92 m;

*Climate:* During spring (April – May), average daytime temperatures vary from 17 °C (63 ° F) to 22 ° C (72 ° F) with a monthly average of 6.5 days of rainfall.

More detailed information concerning the city and the local conditions can be found on:

[www.romaniatourism.com](http://www.romaniatourism.com)

[en.wikipedia.org/wiki/\*\*Bucharest\*\*](http://en.wikipedia.org/wiki/Bucharest)

<http://bucharest-guide.ro/index.en.php>

In the city of Bucharest there are numerous locations that are appropriate for the organization of these type of events such as the FIG Working Week and FIG General Assembly.

Therefore, we would like to present you two of these places, in the order that reflects our preferences, underlining that other options can be considered if it will be necessary.



Bucharest International Conference Centre

<http://www.cdep.ro/pls/cic/site.home?idl=EN>



Bucharest International Conference Centre is placed in the Palace of Parliament, the largest building in Europe, having more than 5000 rooms.

The main facilities of Bucharest International Conference Centre are:

- **Space available:**
  - 10000 m<sup>2</sup> (only conference and exhibition area),
  - 8 meeting halls from 50 to 1200 seats,
  - cloak-room,
  - lobbies and galleries,
  - parking lot,
  - elevators,
  - first aid station;
- **Technical facilities:**
  - installed and mobile





simultaneous translation system,

- video projector,
- international telephone, fax;
- **Event management:**
  - conference and congress organization,
  - exhibition organization,
- **Catering:**
  - standing buffets,
  - dinners,
  - cocktails,
  - buffets,
  - coffee breaks.



Bucharest International Conference Centre hosted numerous important events (national and international conferences with more than 1000 participants, exhibitions, congresses and scientific seminars)





Location:

- Sud East of Bucharest,
- 25 km away from Henri Coanda International Airport,
- 7 km away from University Square (“kilometer zero”).

Services:

- 570 rooms and suites,
- 28 conference rooms,
- Exhibition center,
- 2 restaurants,
- 2 bars,
- Wellness center,
- Shopping gallery.




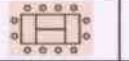


The main facilities for the organization of conferences are:

- Standard equipment in all conference rooms:
- Projection screen,
- Video projector,
- Sound reinforcement equipment.

Optional equipment:

- Professional sound systems: PA and Line Array Mayer Sound, HK,
- Stage and technical equipment,
- LED screens 42 inch monitors,
- Video projection services: professional video projectors, projection screens (front back projection),
- Simultaneous translation services, interpreter booths,
- Professional audio systems for conferences,
- High performance PCs and laptops.

The main features of exhibition center and conference rooms are:

Room name	Size (area [m <sup>2</sup> ]/ height [m])	Capacity					
		Theatre 	Classroom 	U Shape 	Boardroom 	Banquet 	Cocktail 
Exhibition Center	1078/2.60	-	-	-	-	-	-
Bucuresti Ballroom	955	1000	250	160	160	600	600
Bucuresti A	535/5.50	500	138	80	80	280	280
Bucuresti B	420/4.50	350	126	60	60	200	200
London	310/3.70	300	140	84	70	140	140
Berlin, Paris (2 rooms)	290/3.70	240	120	70	60	120	120
Bruxelles, Amsterdam (2 rooms)	170/3.70	130	60	40	40	80	80
Barcelona, Frankfurt, Monte Carlo, Strasbourg, Moskow (5 rooms)	100/3.70	100	42	30	30	-	30
Warsaw, Prague, Budapest, Athenes, Sofia, Istambul (6 rooms)	73/2.95	50	30	25	24	-	-
Vienna	55/2.95	30	20	20	18	-	-
Vienna	44/2.95	30	20	20	18	-	-
Lisbon, Valencia, Toledo, Seville, Venice, Torino, Milan, Florence, Rome (9 rooms)	27/2.80	15	12	9	9	-	-







## Hotels

Assuming that the FIG Working Week and the General Assembly will be held at Bucharest International Conference Centre (Parliament Palace), then we would like to nominate as “the conference hotel” ***JW Marriott Grand Hotel***:

Address:  
JW Marriott® Bucharest Grand Hotel  
Calea 13 Septembrie, 90  
Bucuresti, 50726 Romania  
Phone: 40 21 4030000  
Fax: 40 21 4030001  
Booking: 40 21 4031000



Grand Hotel Marriott Bucharest is located in a central area, nearby the most important business and governmental buildings, in the proximity of the famous Palace of Parliament. It offers the most spacious and comfortable rooms in the city, very suitable for work and relaxation.

Facilities: internet, swimming pool, sauna, Jacuzzi, fitness, five restaurants and bars with international menus, conference hall with hi tech infrastructure. It has various types of apartments, including two presidential apartments.



If the works of the FIG Working Week and the General Assembly will be held at RIN Grand Hotel, then we would like to nominate it also as “the conference hotel”.

Other hotels, with different comfort levels located nearby the Bucharest International Conference Centre and close to downtown:

Address:  
Hotel Tulip Inn  
Str. Nerva Traian, Nr. 3A  
Bucuresti, 031041 Romania  
Phone: +40 21 200 62 70  
Fax: +40 21 200 62 73  
email: [res@tulipinnbucurestcity.com](mailto:res@tulipinnbucurestcity.com)



Tulip Inn Hotel is a modern hotel with 9 floors, 88 elegant, nicely furnished rooms, with mini bar, cable TV, direct phone line and air conditioning. The 14 luxury rooms are more spacious than the Superior ones having in addition an office space (2 chairs, 1 extensible coach and a working table). There are a large number of rooms for non smokers. The cleaning service is available 24 hours as part of the service room. The two conference halls, evoking Van Gogh and Rembrandt, are well equipped with modern installations, suitable for seminars, conferences, business meetings.

Guests can enjoy the special facilities from the Business Center. Tourists can enjoy the nice atmosphere of a business lunch or a romantic dinner in the hotel's restaurant, Avantgarde (specialized in international cuisine), located at the last floor, "on the roof".

In the morning one can have breakfast here or, after an exhausting working day, a delicious cocktail. Try a tasty coffee at Arc Caf  & Lounge.





Izvor Street, 106  
Bucharest, 050564 Romania  
Phone: +40 21 411 99 90  
Fax: +40 21 411 99 91  
Reservations: [info@parliament-hotel.ro](mailto:info@parliament-hotel.ro)

HOTEL  
PARLIAMENT  
★★★★



A four star Boutique Hotel welcomes you to an intimate experience and offers personalized service, distinctive rooms for leisure and for corporate travelers seeking style and impeccable service.

Warm atmosphere, very well-trained staff, ensuring personal exclusive service, works of art exhibited in the rooms, are just few of the sides that are meaningful to the "Boutique Hotel" concept.

We kindly invite you to a cozy and private Hotel, small enough for personal, attentive and hospitable service yet with the convenience of staying in a four star Hotel and the distinctiveness of the boutique concept.



Hotelul Confort Traian  
Address: Str. Traian 55A, sector 3,  
Bucuresti, Romania  
Phone: +4021. 308.31.53 / 54  
Fax : +4021. 308.31.55  
E-mail: [reservations@conforthotels.ro](mailto:reservations@conforthotels.ro)  
Website: [www.conforthotels.ro](http://www.conforthotels.ro)



Rooms are spacious, well lighted and comfortable. The facilities offered include internet access, mini bar, cable TV, international phone line, air conditioning. Business men can also work in their rooms, in the Business Corner.

The hotel has 54 rooms King size, 49 rooms twin size and 1 apartment. Additional facilities: free surveilled parking for clients, room service, exchange office and internet access.



Marasesti Bd. 70-72  
Bucharest, 7000 Romania  
Phone: +40 21 335 55 41  
Fax: +40 21 335 63 06  
E-mail: dalin@hoteldalin.ro



Dalin Hotel is located in the center of Bucharest, at the crossroad of boulevards Dimitrie Cantemir and Marasesti and offers 16 double rooms and 4 suites with modern furniture, bathroom, cable TV, mini bar, phone, air conditioning and locker. The restaurant has traditional cuisine from Romania, Greece, Ireland, France and Japan.

Other facilities: bar, shop, transportation from/to hotel, covered garage and parking, tourist info point, conference halls.



Suter Alley, 3  
Bucharest, 040547 Romania  
Phone: +40 21 337 3939  
Fax: +40 21 337 11 33  
Reservations: [hotelsuterinn@gmail.com](mailto:hotelsuterinn@gmail.com)  
[hotelsuterinn@yahoo.com](mailto:hotelsuterinn@yahoo.com)

SuterInn ■ Hotel \*\*\*



Located in Bucharest's city center, at 5 minutes away by car from Unirea Square and The House of Parliament, next to the beautiful Carol Park, Hotel Suter Inn\*\*\* is proud to be a well visited hotel for its central address, quiet location, quality services, new and modern design of the rooms and a friendly and helpful staff.

The hotel comprises the following rooms:

Double bed: 10

Single room with queen-size bed: 6

Apartment :1

All rooms are equipped with color TV, free cable TV, wireless internet access and air conditioner.





Dimitrie Cantemir, 2  
Bucharest, Romania  
Phone: +40 21 336 62 42  
Fax: +40 21 335 40 31  
Reservations: office@horoscop-turism.ro



The Horoscop Company (Tourism, Restaurants, Stores) opened in July 2003 an intimate, classic and cozy 3 stars hotel among bucharest's best in class, located in the very heart of the city (km0, 'Horoscop' Building).

The hotel offers its guests a quiet and romantic atmosphere, reminiscing the good taste and refinement of the "La Belle Epoque". You are invited to come and relish the ambience and turn your stay in Bucharest into an enjoyable experience!



At the moment, the cost of a hotel room varies from 98 to 135 euro, depending on the type and the level of comfort of rooms. We estimate that the accommodation costs will not modify significantly until 2016.

## Schedule

In order to estimate the necessary space and to have a basis for the time management of all events, we propose the following schedule draft:

Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
FIG Council Meeting	FIG Commission Officers Meeting, ACCO	FIG General Assembly I	Social tours						
			Registration		Exhibition		Presidents' Meeting	Post-Conference Tours	
ANCPI Dinner	UGR Dinner	Welcome Reception	Plenary Session I	Plenary Session II	Plenary Session III	FIG General Assembly II	Closing ceremony	Farewell reception	
			Coffee break		Technical Sessions (10 parallel)				
		Lunch							
		Technical Sessions (10 parallel)		Technical Sessions (10 parallel)		Closing ceremony			
		Opening ceremony		City Hall Reception		Conference Dinner			
		FIG Foundation Dinner							

## Registration fees

We consider that full registration fee has to cover the following:

- Admission to all technical sessions and exhibitions,
- Lunches,
- Coffee breaks with refreshments,
- Welcome reception,
- Opening and closing ceremonies.

We believe that the accompanying person registration fee has to cover the following:

- Welcome reception,
- Opening and closing ceremonies.

We estimate that the maximum level of the registration fees has to be:

Early Bird registration	until 90 days before opening	450 euro
Normal registration	until 45 days before opening	520 euro
Late registration	last 45 days before opening	600 euro
Daily registration		150 euro
Accompanying person registration		240 euro
Student registration		100 euro

## Budget

Using as comparison previous similar FIG events and the level of participation at the CLGE meeting in May 2010, we believe that in Bucharest, in 2015 or 2016, we approximate the following numbers of participants:

900 delegates to the General Assembly and Conference,

300 local participants,

250 accompanying persons;

A total of 1200 persons.

Taking into account the estimated number of participants presented above and the actual level of prices and services in Romania, we expect to have the following expenses (euro):

Items	Unit	Quantity	Unit price	Total
Opening and closing ceremonies (including halls and related services)	day	2	3500	7000
Technical sessions (10 rooms and related services)	day	3	12000	36000
Lunch 5 days	participant	1200	125	150000
Free registration	person	50	600	30000
Pre-conference site visits	person	10	400	4000
Gifts and promotional materials (badge, notebook, pen, maps, bag etc.)	participant	1200	65	78000
Conference services (secretariate, registration, web site, marketing etc.)	services	1	18000	18000
Welcome reception, Conference dinner, Farewell reception (3 eveniments)	person	1200	240	288000
Social programe for accompanying persons	participant	250	200	50000
<b>TOTAL</b>				<b>661000</b>

The above mentioned values are estimative. We mention that in the last two years the general level of prices for accommodation and house rentals has been stable or even decreased. Despite this fact, in the actual economic context (national



and international) it is difficult to make a prognosis for the next 3, 4 years. We also estimate to have the following income:

Items	Unit	Quantity	Unit income	Total
Registration fees (average)	participant	1200	500	600.000
Social programe for accompanying persons	participant	250	240	60.000
Exhibition	participant	30	2500	75.000
Sponsorships (average)	sponsor	15	2000	30.000
TOTAL (euro)				765.000

## **Contact persons**

Further information can be obtained from:

Ph.D. Valeriu Manolache, President of Romanian Association of Private Surveyors

Phone number : +4 021 3234896

Mobile number: +4 0722 500 556

e-mail address : [valeriu.m@theotop.ro](mailto:valeriu.m@theotop.ro)

# FIG WORKING WEEK 2016

APRIL / MAY NEW ZEALAND



**NEW ZEALAND  
100% PURE**

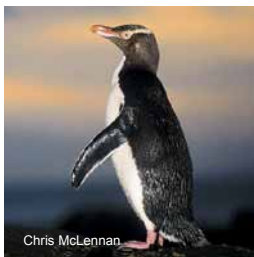
[newzealand.com](http://newzealand.com)



**NEW ZEALAND  
TOURISM**



David Hall



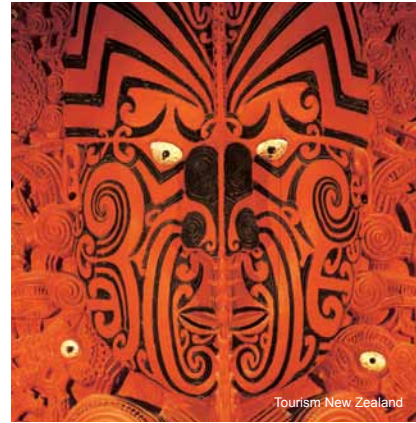
Chris McLennan





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LETTER OF

# INTRODUCTION



[www.surveyors.org.nz](http://www.surveyors.org.nz)

Dear FIG Delegate

## New Zealand Institute of Surveyors Tender FIG Working Week 2016 - Christchurch, New Zealand

Haere mai. Welcome. We trust that you find the 2012 FIG Working Week in historic and majestic Rome to be an interesting, enjoyable and rewarding experience. In fact, we hope you enjoy it so much that you pencil April 2016 in your diary for attending the 2016 Working Week, which we hope will be held in New Zealand.

The New Zealand Institute of Surveyors (NZIS) is bidding for the privilege of hosting the 2016 Working Week in Christchurch, recognised as New Zealand's Garden City with a sophisticated and diverse culture. We extend a warm invitation to surveyors and spatial professionals and their families to join us down-under.

The New Zealand Institute of Surveyors is a strong supporter of FIG and our delegate numbers at FIG 2010 in Sydney were among the highest of the countries represented. Christchurch has the experience of hosting the 9th South-East Asian Survey Congress in 2007, which was supported by the ASEAN Federation of Land Surveyors and Geomatics and FIG. In addition, SEAC 07 incorporated a Congress of the Commonwealth Association of Surveying and Land Economy, the 6th Trans-Tasman Surveyors Conference, (a joint NZIS and Institution of Surveyors, Australia biennial conference), and our own NZIS annual conference making it the largest and most successful surveyors' conference held in New Zealand to date.

Christchurch is a beautiful city that has experienced recent damage and trauma as a consequence of a Magnitude 7.1 earthquake that hit Christchurch and the Canterbury region on 4 September 2010 followed by a deadly Magnitude 6.3 aftershock on 22 February 2011. The re-building of Christchurch will be a poignant backdrop to the 2016 Working Week, the details of which will be of particular interest to land and spatial professionals.

As well as attending a stimulating and thought-provoking, world-class international conference, we hope that you will take some time to experience some of New Zealand's majestic scenic landscapes and enjoy our renowned Kiwi hospitality. Christchurch is the gateway to New Zealand's captivating South Island, which contains some of the most spectacular, dramatic and beautiful natural landforms in the world. Within a few hours drive of Christchurch are golden beaches, snow-capped mountains, natural hot springs, primeval forests, ice age glaciers, deep fiords, and much more for you to explore.

On behalf of the President, Council and Members of New Zealand Institute of Surveyors, we look forward to welcoming you to Christchurch in 2016.

Yours faithfully

Simon Ironside  
Chair, Canterbury Branch  
New Zealand Institute of Surveyors  
Chair, 2016 Organising Committee



# LETTER OF SUPPORT

Office of The Mayor

**Christchurch**  
City Council 

30 September 2011

**MESSAGE OF SUPPORT FROM  
BOB PARKER, MAYOR OF CHRISTCHURCH**

Christchurch would be absolutely delighted to host the FIG 2016 Working Week in Christchurch.

Christchurch is a beautiful city where you can experience so much, so close and so easily! The city has superb state of the art conference venues to cater for all, and is proud of its record of success in hosting some of New Zealand's largest events.

Christchurch International Airport is close to all amenities. The city can offer many accommodation options to suit every taste, and price range. There are a variety of outstanding hospitality venues suitable for different types of functions. The shopping is fabulous and our museum, art galleries and public gardens are outstanding.

Christchurch has it all, and we would love the opportunity to share it with you and to host the FIG 2016 Working Week.



Bob Parker  
**MAYOR**



CONFERENCE

# ORGANISATION

## HOST INSTITUTION

The New Zealand Institute of Surveyors / Te Kópú Kairúri o Aotearoa

The New Zealand Institute of Surveyors is an incorporated society established to monitor and maintain the professional and ethical conduct of surveyors in New Zealand.

The NZIS was founded in 1888 as a national body to preserve and develop the integrity and status of the profession of surveying. The Institute has 16 branches throughout New Zealand as well as one in Hong Kong, these being supported by a National Office in Wellington and guided by an elected president and councilors.

Amongst many important roles, surveyors fulfill an important role in the land title system of New Zealand, helping to protect the integrity of land ownership and property rights.

The functions of the Institute are:

- To protect and promote the interests of the profession of surveying and the interests of the public in relation to surveys and surveying
- To promote and encourage proper conduct and suppress illegal, dishonourable, or improper practices by members of the Institute
- To preserve and maintain the integrity and status of the profession of surveying
- To provide opportunities for the acquisition and communication of knowledge in relation to surveying and related matters
- To consider and suggest amendments to the law relating to land, surveys and surveying
- To provide means for the amicable settlement of professional differences
- To arrange completion of outstanding title surveys or other related work in the event of default or incapacity of a registered surveyor.

The majority of our members spend four years obtaining a Bachelor of Surveying Degree or its equivalent, and many have also passed the Cadastral Survey Licensing Board's examinations entitling them to carry out land title surveys. Qualified cadastral surveyors ensure that land measurements are accurate and that boundaries are marked and visible. These surveyors can confidently reproduce boundary marks erased by time, and are the only professionals qualified to take accurate land measurements and to determine precise positions.

In addition to cadastral surveying, many of our members are competent and experienced in other fields of surveying, both in New Zealand and overseas, such as land development, resource management, civil engineering, the spatial sciences and hydrographic surveying.

You may engage a surveyor for a number of reasons, including:

- Any transaction concerning land
- Subdividing and/or developing land
- Working with the Resource Management Act and/or District Plans
- Positioning a house, garage or fence
- Undertaking environmental studies
- Preparing a map or site plan
- Assisting with land boundary disputes
- Topographical or contour surveys
- Registering rights-of-ways or other easements over land
- Registering leases over land
- Expert testimony concerning land measurement

## Membership

The New Zealand Institute of Surveyors enjoys a membership base which includes highly experienced professional practitioners and academics, tertiary students studying a surveying (or similar) qualification, senior skilled survey technicians, and other professionals practicing in fields related to surveying.

The specific classes of membership are:

- Fellow (FNZIS)
- Member (MNZIS)
- Associate Member (ANZIS)
- Student Member
- Honorary Member (Hon MNZIS)

In addition to the membership classes, the Institute offers the distinction of Registered Professional Surveyor to members who can demonstrate the highest level of competency.

More information is available on our website <http://www.surveyors.org.nz/>



# BUDGET

## INFORMATION

REGISTRATION INCOME		%	Unit price (excl GST) NZD\$	Attendance Indicative Euro 500	Attendance Indicative Euro 600	Attendance Indicative Euro 700
<b>Delegates</b>				600		
Registration GA & Conference - early	60%	\$957.00	€165,739.96	€ 198,887.95	€232,035.94	
Registration GA & Conference - standard	15%	\$1,067.00	€46,197.63	€ 55,437.16	€64,676.69	
Registration Students - early	3%	\$275.00	€2,381.32	€ 2,857.59	€3,333.85	
Registration Students - standard	2%	\$275.00	€1,587.55	€ 1,905.06	€2,222.57	
Registration NZIS member - early	15%	\$770.00	€33,338.50	€ 40,006.20	€46,673.90	
Registration NZIS member - standard	5%	\$880.00	€12,700.38	€ 15,240.46	€17,780.53	
<b>Subtotal</b>	<b>100%</b>		<b>€261,945.34</b>	<b>€ 314,334.41</b>	<b>€366,723.47</b>	
<b>Accompanying persons</b>				200		
Registration Accompanying persons - early	50%	\$462.00	€20,003.10	€ 26,670.80	€33,338.50	
Registration Accompanying persons - standard	50%	\$462.00	€20,003.10	€ 26,670.80	€33,338.50	
<b>Subtotal</b>	<b>100%</b>		<b>€40,006.20</b>	<b>€ 53,341.60</b>	<b>€66,677.00</b>	
<b>Registration income sub total</b>				<b>€301,951.53</b>	<b>€ 367,676.00</b>	<b>€433,400.47</b>
<b>Exhibition income up to 50 stands @ \$5000</b>		<b># of Stands: 50</b>	<b>\$5,000.00</b>	<b>€144,322.50</b>	<b>€ 144,322.50</b>	<b>€144,322.50</b>
<b>Sponsorship income allowance</b>				<b>€144,322.50</b>	<b>€ 144,322.50</b>	<b>€144,322.50</b>
<b>Total Income (nett excluding GST)</b>				<b>€590,596.53</b>	<b>€ 656,321.00</b>	<b>€722,045.47</b>

## EXPENSES

### Fixed Costs

Abstract management fee (allow review 500 abstracts / 350 accepted)		€8,082.06	€ 8,082.06	€8,082.06
Accommodation - FIG President - 6 nights @ \$300		€1,039.12	€ 1,039.12	€1,039.12
Accommodation - FIG office staff - allow 6 staff, 6 nights @ \$200		€4,156.49	€ 4,156.49	€4,156.49
Administration and staffing		€10,391.22	€ 10,391.22	€10,391.22
Audio-visual - all rooms, all days, allowance		€69,274.80	€ 69,274.80	€69,274.80
Auditing, bank fees etc		€865.94	€ 865.94	€865.94
Banners and signage		€1,443.23	€ 1,443.23	€1,443.23
Catering (incl Administrative meeting, VIP Catering etc)		€2,020.52	€ 2,020.52	€2,020.52
Ceremonies (opening and closing)		€5,772.90	€ 5,772.90	€5,772.90
Commission annual meetings		€577.29	€ 577.29	€577.29
Commission officers and ACCO meetings		€1,847.33	€ 1,847.33	€1,847.33
Communications & distribution (mostly electronic)		€1,731.87	€ 1,731.87	€1,731.87
Conference administration		€26,555.34	€ 26,555.34	€26,555.34
Council meetings - 2 days and as required		€1,703.01	€ 1,703.01	€1,703.01
Cyber café - allowance (could be a sponsorship opportunity)		€2,886.45	€ 2,886.45	€2,886.45
Décor and entertainers (welcome drinks and dinner), excl technical support		€8,659.35	€ 8,659.35	€8,659.35
Exhibition expenses (25 sites)		€13,854.96	€ 13,854.96	€13,854.96
FIG Office - 5 days allowance		€2,684.40	€ 2,684.40	€2,684.40
FIG administration - allowance		€14,432.25	€ 14,432.25	€14,432.25
Furniture and equipment (incl poster boards, registration desk)		€2,424.62	€ 2,424.62	€2,424.62
General assembly - 2 days		€2,597.81	€ 2,597.81	€2,597.81
Gifts (6x keynotes)		€346.37	€ 346.37	€346.37
Guests - no allowance, covered in registration allowance				
Guests - Keynote speakers x6 (registration, dinner, travel, accomm)		€27,709.92	€ 27,709.92	€27,709.92
Head of delegation reception - 100		€2,886.45	€ 2,886.45	€2,886.45
Insurance - Event cancellation		€4,618.32	€ 4,618.32	€4,618.32

## Preliminary Feasibility Budget - Prepared by Conference Innovators

*Scenarios based on 500, 600, 700 delegates*

Organising Exec LOC expenses	€2,886.45	€ 2,886.45	€2,886.45
Sponsorship administration	€5,195.61	€ 5,195.61	€5,195.61
Print and promotion (website, flyers, abstracts, registration, book of abstracts)	€20,205.15	€ 20,205.15	€20,205.15
President's meeting - 1 day	€288.65	€ 288.65	€288.65
Registrations - allowance for 27 free registrations	€13,560.54	€ 13,560.54	€13,560.54
Site Inspections - allowance for 2 pax x 2 dates	€5,772.90	€ 5,772.90	€5,772.90
Social tours - no cost to conference delegates pay own			€0.00
Sponsorship expenses - allowance for complimentary registrations etc	€5,772.90	€ 5,772.90	€5,772.90
Staging / Technical support incl business sessions, welcome	€63,501.90	€ 63,501.90	€63,501.90
Technical tours - no cost to conference delegates pay own			€0.00
Venue hire - 5 days, plus 1 pack in	€49,069.65	€ 49,069.65	€49,069.65
Venue hire dinners, incl in function costs			
<b>Subtotal</b>	<b>€384,815.74</b>	<b>€ 384,815.74</b>	<b>€384,815.74</b>
<b>Contingency 5%</b>	<b>€19,240.79</b>	<b>€ 19,240.79</b>	<b>€19,240.79</b>
<b>Total fixed cost</b>	<b>€404,056.53</b>	<b>€ 404,056.53</b>	<b>€404,056.53</b>

VARIABLE EXPENSES	Unit item cost			
<b>VC - Delegates</b>				
Satchel, pad, pen	\$25.00	€7,216.13	€ 8,659.35	€10,102.58
Registration fee (based on full delegates)	\$45.00	€12,989.03	€ 15,586.83	€18,184.64
Name badge holder & lanyard, satchel tag etc	\$9.50	€2,742.13	€ 3,290.55	€3,838.98
Catering per person (GA & Conference) M/tea, Lunch, A/tea \$45 pp 5 days	\$225.00	€64,945.13	€ 77,934.15	€90,923.18
Welcome reception	\$50.00	€14,432.25	€ 17,318.70	€20,205.15
Banquet dinner - no cost to conference delegate pays own				
Farewell reception - no cost to conference - next host pays				
Royalties to FIG Foundation - allow 15 Euro per delegate	\$26.00	€7,504.77	€ 9,005.72	€10,506.68
<b>Subtotal</b>		<b>€109,829.42</b>	<b>€ 131,795.31</b>	<b>€153,761.19</b>
<b>Accompanying persons</b>				
Satchel, pad, pen	\$25.00	€2,164.84	€ 2,886.45	€3,608.06
Registration fee (based on full delegates)	\$45.00	€3,896.71	€ 5,195.61	€6,494.51
Name badge holder & lanyard, satchel tag etc	\$9.50	€822.64	€ 1,096.85	€1,371.06
Welcome reception	\$50.00	€4,329.68	€ 5,772.90	€7,216.13
Banquet dinner - no cost to conference delegate pays own				
Farewell reception - no cost to conference - next host pays				
<b>Subtotal</b>		<b>€11,213.86</b>	<b>€ 14,951.81</b>	<b>€18,689.76</b>
<b>Contingency 1%</b>		<b>€1,210.43</b>	<b>€ 1,467.47</b>	<b>€1,724.51</b>
<b>Total variable costs</b>		<b>€122,253.71</b>	<b>€ 148,214.59</b>	<b>€174,175.46</b>
<b>Credit Card commission - allow 2% of registration fees</b>		<b>€6,039.03</b>	<b>€ 7,353.52</b>	<b>€8,668.01</b>
<b>Total Expenses (nett excluding GST)</b>		<b>€532,349.27</b>	<b>€ 559,624.64</b>	<b>€586,900.00</b>
<b>Surplus / Deficit</b>		<b>€58,247.26</b>	<b>€ 96,696.36</b>	<b>€135,145.47</b>

N.B. Gala Dinner, pre and post tours, partners tours are all self funding  
This budget is written in EURO with a Conversion Factor of 0.57729 from New Zealand dollars and is exclusive of New Zealand Goods & Services Tax of 15%



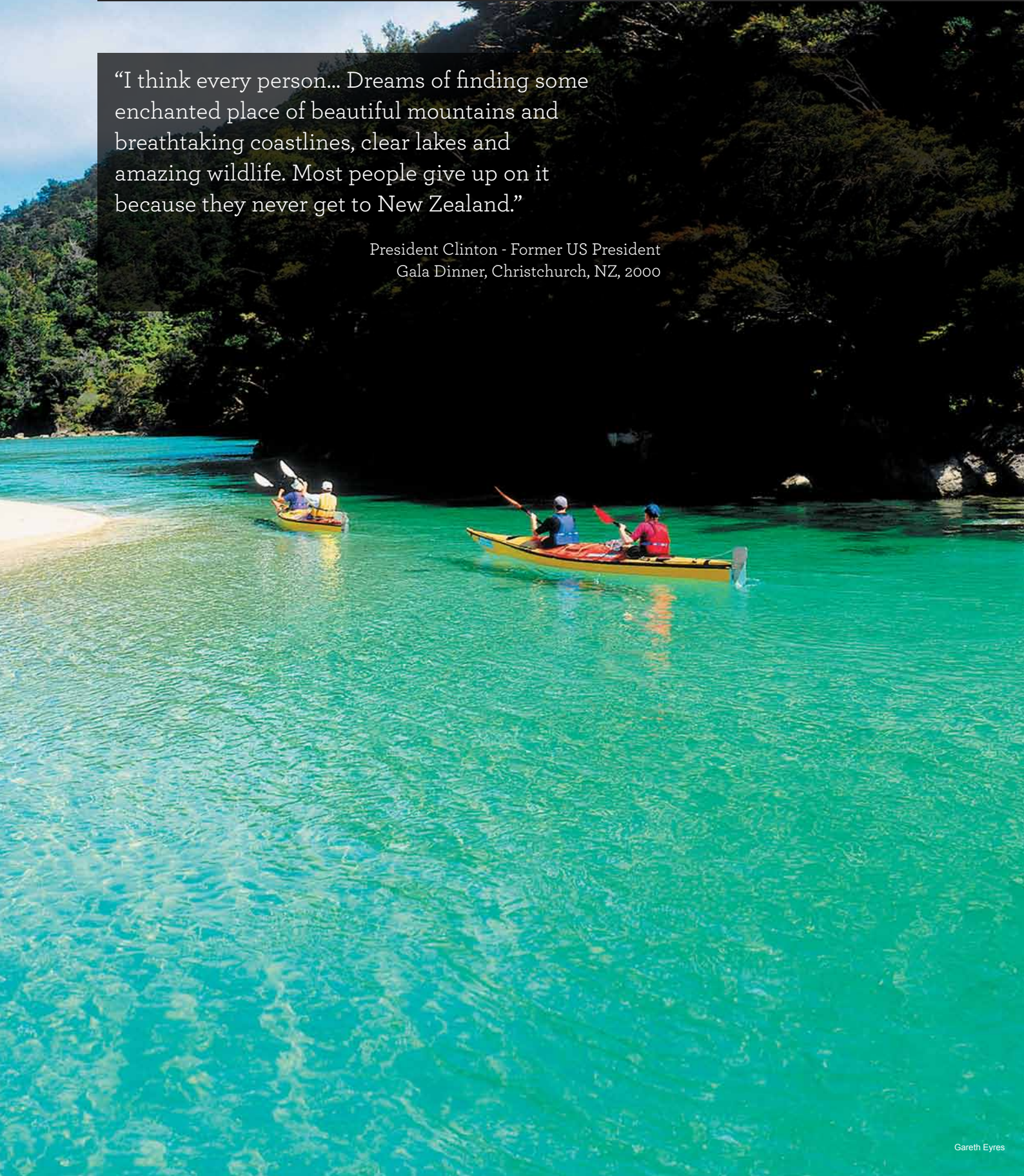
WELCOME TO

# NEW ZEALAND

NAU MAI, HAERE MAI

“I think every person... Dreams of finding some enchanted place of beautiful mountains and breathtaking coastlines, clear lakes and amazing wildlife. Most people give up on it because they never get to New Zealand.”

President Clinton - Former US President  
Gala Dinner, Christchurch, NZ, 2000





WE LOOK FORWARD TO WELCOMING YOU TO

# AOTEAROA

THE LAND OF THE LONG WHITE CLOUD. NO REIRA, NAU MAI HAERE MAI KI AOTEAROA

The last major land mass to be discovered and occupied, New Zealand is an alluring mix of stunning landscapes, unique flora and fauna and unspoiled countryside combined with pastoral scenes of surprising beauty. The overwhelming impression of the land is pure and green, with fresh air and clean waters.

Nestled deep in the South Pacific, New Zealand offers a modern, sophisticated urban lifestyle combined with a natural and unspoiled rural heritage that sets it apart from the rest of the world. We have a stable political environment and have led the world in many areas of social policy, scientific achievements and sporting triumphs. For a nation of just four million people, New Zealand produces an extraordinarily large number of achievers in many areas.

From the majestic fiords and Alps in the South Island to the native forests and silver sandy bays of the north, ours is a land of awesome beauty.

Small cities are spaced the length of the country, with miles of green fields in between, populated by sheep and cows and interspersed with forests of native trees and bush or commercial forests of pine. Beautiful sub-tropical beaches are to be found everywhere – even within 10 minutes of major cities!

There is a rich culture of the indigenous Maori entwined with more recent migratory groups from the United Kingdom, other European countries, as well as a range of Pacific Island peoples and more recently significant Asian migration.

New Zealanders are friendly, independent, free-spirited and welcoming. There is nothing we enjoy more than showing overseas visitors 'our place' in the South Pacific.





EXPERIENCE

# CHRISTCHURCH







Christchurch and the surrounding region of Canterbury maintain a reputation as New Zealand's leading convention and incentive group destination.

Christchurch proudly sits as the international gateway to the coastal and alpine playgrounds of the South Island New Zealand .

Canterbury's activities vary from passive to extreme; golf, bungy, jet boats, mountain biking, whale watching and wineries, thermal springs and the dramatic Southern Alps for ski or hiking... all ready to be explored and enjoyed.

Christchurch is a top destination for international delegates because of the vibrant range of attractions and activities that abound .

Founded just over 150 years ago, the city was planned with foresight. The location was strategic – at the centre of New Zealand's South Island with very easy access to the mountain, lakes, rivers, harbours and beaches provided a myriad of recreation opportunities, and surrounded with extensive fertile plains supporting rich horticultural, agricultural and forestry industries.

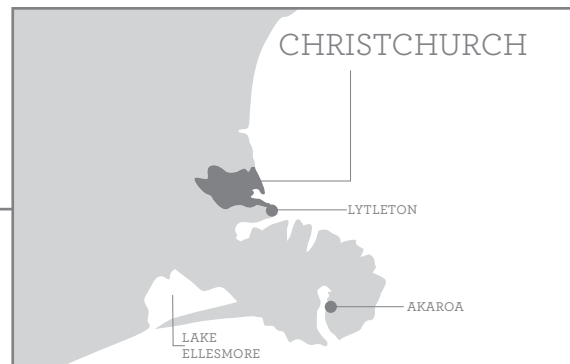
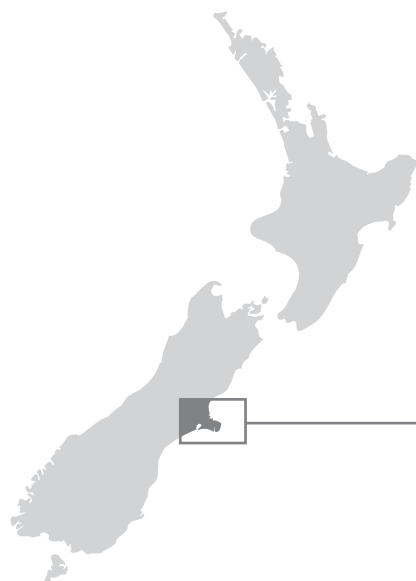
For visitors, Christchurch offers very easy access to nearby attractions as diverse as ski-fields, thermal resorts, river gorges, alpine adventures, high country farms and coastal attractions such as whale-watching and swimming with dolphins.

## Refreshingly Accessible

Christchurch International Airport is the major gateway to the South Island of New Zealand. A number of International airlines fly direct into Christchurch from Australia, Asia, Japan and the Pacific Islands. These airlines include Air New Zealand, Qantas, Singapore Airlines, Emirates, Jetstar, Pacific Blue, and Air Pacific. Onward flights connecting to Europe and the Americas are also easily accessible.

Extensive Domestic services offer several flights daily linking all the major cities and the majority of smaller towns across New Zealand. Christchurch is a short 75 minute flight from Auckland with an extensive schedule of international airline connections directly from Australia, Europe, USA, South America, Middle East, Asia and Japan.

With the airport located only 12kms or just 15 minutes drive from the central city, access is so easy!.



# CHRISTCHURCH EARTHQUAKES

Shortly after 4.30 in the morning of Saturday, 4th September 2010, an earthquake of magnitude 7.1 on the Richter scale shocked the population of the province of Canterbury into wakefulness. It was centred close to the mid-Canterbury town of Darfield, completely destroying a few historic homesteads in the region, and caused significant damage to Christchurch city itself, but no fatalities resulted. Cantabrians were yet to learn that this was but a taste of worse to come.

Six months later, Canterbrians again experienced the earth move under their feet, and this time it was a deadly event. The second major earthquake struck on a sunny Tuesday lunch hour at 12.51 local time on 22nd February 2011. This earthquake, on a different fault line, was centred two kilometres west of the port town of Lyttelton, and 10 kilometres south-east of the centre of Christchurch, New Zealand's second-most populous city.

A total of 182 people were killed on that day in Christchurch, making it the second-deadliest natural disaster recorded in New Zealand (after the 1931 Hawke's Bay earthquake), and fourth-deadliest disaster of any kind recorded in New Zealand, with nationals from more than 20 countries among the victims.

Many structures in the city's CBD and eastern suburbs that were weakened by the September earthquake and its ongoing aftershocks were destroyed in February's disaster or subsequently judged uneconomic to repair. The earthquake effectively shut down the city's central business district, which alone has lost almost 1,000 buildings. Significant liquefaction again inundated the eastern suburbs, producing about 400,000 tonnes of silt.

The 22 February earthquake was one of three major earthquakes in a swarm affecting the Christchurch area that, to date, has lasted more than a year. The third major event was a large aftershock on 13 June 2011, which caused considerable additional damage.

It has been estimated that the total rebuilding cost to insurers is in the order of \$NZ 15-16 billion making it New Zealand's costliest natural disaster by far, and nominally the third-costliest earthquake worldwide.

The Christchurch City Council's draft Central City Plan for the recovery of the Christchurch central business district was released in August 2011 and details more than 70 projects, including 10 key projects, to be implemented over the next 10 to 20 years. Many of these projects have been influenced by more than 100,000 ideas shared by the community and key stakeholders during the plan submission process.

In spite of the disastrous swarm of quakes, Christchurch remains fully functional and repairs to essential service infrastructure have largely been completed. Although major business is not currently based in the heart of the city, a central retail precinct is already open, with more hospitality facilities opening weekly. Suburbs, particularly those to the north, south and west, are experiencing a boom and visitor attractions out of the city centre are unaffected. People of Christchurch have always had a pioneering instinct and they have thrown themselves wholeheartedly into the consultation process and a new vision for their city.









VIBRANT

# CHRISTCHURCH





## Versatile City & Surrounds

With a large range of attractions, extensive programme options and fascinating touring and day trip destinations, Christchurch is the perfect place to meet for international conferences.

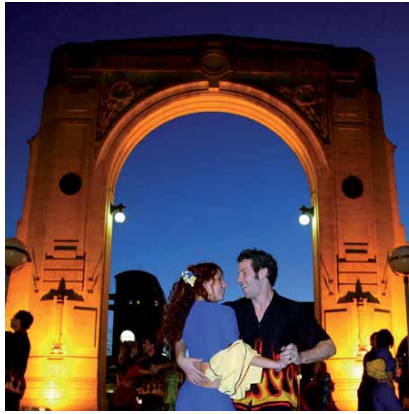
Christchurch is focused on satisfying the needs of the tourism and convention market. It has a track record of hosting successful conferences and conventions of all sizes. With a population approaching 400,000 Christchurch is large enough to support world class conferences, yet intimate enough to make delegates welcome.

## The Perfect Host

The people of Christchurch have a reputation for being extremely welcoming, whilst at the same time delivering exceptional customer service and professional support for international conference delegates and exhibitors. This genuine understanding and commitment to your people and your conference does make Christchurch the 'perfect host'.

## Park-like City

Christchurch is extremely fortunate to have substantial areas of parklands, gardens and the sparkling Avon River meandering through the heart of the city, giving Christchurch an atmosphere that is an exciting blend of classical and romantic, relaxing and leisurely, stimulating and entertaining.



Kieran Scott

# ACCESSIBLE

## CHRISTCHURCH

Christchurch is serviced by 10 international airlines directly from South Pacific, Australia and Asia. There are many daily national services, with frequent flights to Auckland and Wellington, whose airports are serviced by 30 international airlines from Europe, North America, Australia and Asia.

### CHRISTCHURCH FLIGHTS

Destination	Airline	Frequency	Weekly Arrivals & Departures
Bangkok	Emirates	Daily	7
Brisbane	Air New Zealand, Jetstar Airways, Virgin Blue	Daily	22
Dubai	Emirates	Daily	7
Gold Coast	Air New Zealand, Jetstar Airways	3 times per week	3
Melbourne	Air New Zealand, Jetstar Airways, Virgin Blue	Daily	25
Nadi	Air New Zealand, Air Pacific	Twice a week	2
Rarotonga	Air New Zealand	Once a week	1
Singapore	Singapore Airlines	Daily	7
Sydney	Air New Zealand, Emirates, Jetstar Airways, Qantas, Virgin Blue	Daily	34





## A tropical break - en-route or on your way back home.

New Zealand is within a few hours flight of many stunning Pacific Islands. Incorporate a stopover on the way to or from New Zealand and experience the tranquillity of tropical island paradises such as Samoa, Rarotonga or Fiji. There are daily flights from these islands direct to Auckland and conferencing in New Zealand is a wonderful opportunity to explore these idyllic spots.





BRAND NEW, STATE OF THE ART

# CONVENTION CENTRE

CHRISTCHURCH

## Vbase – Venues & Events

As the owner and manager of four of New Zealand's premier convention, entertainment and sporting venues – Christchurch Convention Centre, Christchurch Town Hall for Performing Arts, CBS Canterbury Arena and AMI Stadium – we hold the privileged position of being able to accommodate any event, formal or casual, grand or intimate.

At Vbase we know that it takes more than a great location and superb facilities to create a memorable event. It also takes inventive thinking, a can-do attitude, and a high level of commitment from the right people. At Vbase we have the right people.

Our experienced team is dedicated to hosting exceptional conferences and events with flair and panache. They enjoy coming up with the fresh ideas needed to make the desired impact. They excel at dealing with all the logistical details that go into creating a well-run event.

If you want an event that will inspire, deliver real results, give you a return on your investment, and linger in people's memories then you've come to the right place. Our place. Vbase.

## Christchurch Convention Centre

The draft Christchurch Central City Plan, released in August 2011 identifies that a world-class Convention Centre in the heart of the central city is critical for Christchurch's economic recovery. Council is committed to the redevelopment of the Christchurch Convention Centre and has earmarked a \$200 million investment. Construction is due to start in 2013 with a 2016 completion date.

Central city leaders have identified that attracting international visitors to Christchurch is vital to the city's recovery. Prior to the earthquake conferences at the Christchurch Convention Centre contributed over \$45 million annually to the local economy.

Key to the redevelopment will be a central location in close proximity to accommodation, and attractions that integrates seamlessly with the rest of the city.

Being constructed in the 21st century the venue will boast the latest in modern design, architecture and green building. Purpose-built it will be an eye-catching venue for an almost endless variety of events. It will have the functional flexibility to cater for conventions, exhibitions and tradeshows up to 2,500 delegates. A variety of breakout rooms, on-site office space, boardrooms and a business centre will complement the expansive convention space.

Your conference delegates can be delivered closer to their event than any other city in the country, possibly even in Asia Pacific.



**vbase**  
venues and events



## TECHINCAL, CATERING AND CREATIVE SERVICES

### Vbase Technical Solutions

We know how crucial the technical component is to any event. Whatever your technical requirements, our expert team in lighting, sound and vision will tailor a solution for you. From a plenary session to a themed gala, we can create the concept and make it happen.

The Christchurch Convention Centre will offer the latest high speed data and internet applications. Varying levels of internet will be available from a complete wireless service through to a user dedicated broadband data stream.

A one-size-fits-all approach is not our style. At Vbase we recognise that each event is unique and requires its own special planning. Our technical team handles all of the planning and production, plus provide creative advice and fresh thinking. Experience combined with first-rate service values ensure that every technical and audio visual requirement is delivered to the highest standards.

### Vbase Catering Solutions

Our food philosophy is simple - fresh is best. Our in house catering team design menus with the best quality ingredients in mind and source as much as possible from Canterbury suppliers, farmers and artisan producers.

At Vbase we put a lot of thought in to how we can deliver seamless service with easily adjustable timing and a fresh varied menu. With a dash of creativity and a pinch of flair our chefs can design a tailor- made menu to you suit your event and easily accommodate those with special dietary requirements.

The Canterbury region is well known for its fine wines and many of these are showcased in our wine selection and can then be matched to your menus.

Our chefs at Vbase create more than food - they create food memories.

### Vbase Event Coordination

From day one a dedicated Event Manager will work with you throughout the planning stage of your event. They will liaise and coordinate with all internal service personnel including technical food and beverage, presentation and set up crew, security and external suppliers. Both behind the scenes and out front, we are with you all the way.

### Specialist Supplier Solutions

Christchurch is fortunate to have access to a great pool of talented professionals. Along with our own expertise in Vbase Catering and Vbase Technical Solutions we also work closely with a number of companies who share the Vbase vision of creating an outstanding experience for every client and every guest at every event. They too have built their reputation on delivering great results for their clients.

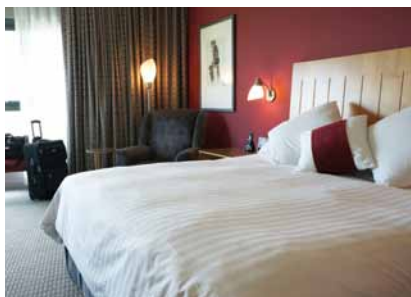
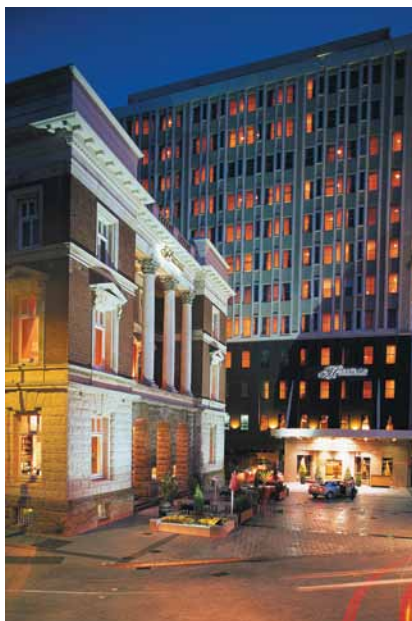
These creative and clever people are all on hand to provide the very best of everything from theming, display builds and furniture to floral design and entertainment.

They can take a blank canvas and turn it into an amazing space that defies the imagination.

By working beside each other we ensure our clients can have access to the best people in their field and get the best return on their investment.



# CHRISTCHURCH ACCOMMODATION SUMMARY



## The George

The George is a 5 Star luxury boutique hotel nestled beside Hagley Park and the Avon River in the heart of Christchurch. Offering 53 newly refurbished and quiet rooms, 6 conference venues catering for up to 150 delegates and two award winning restaurants for casual dining in 50 on Park and stunning contemporary cuisine in Pescatore. Just a 5 minute walk to the Convention Centre. Winner of World Travel Awards as Leading Boutique Hotel in NZ for 2006, 2007, 2008 and 2009.

## Chateau on the Park

The Chateau on the Park is a unique property nestled in 5 acres of beautiful, tranquil gardens, offering 4 star hotel accommodation that seems a world away from the stresses of city life - yet just minutes away is the vibrant city centre of Christchurch

## The Marque Hotel Christchurch

Unrivalled views, luxury finishes and first class service make The Marque Hotel Christchurch a centrepiece of New Zealand style. The hotels North West aspect affords breathtaking views of the city and stunning Southern Alps, while its central location offers

convenience to all major attractions. An easy stroll to the finest attractions Christchurch city has to offer including superb restaurants, cafes, boutique shopping, with the newly re-developed tourist and entertainment precinct, Cathedral Square and the prestigious Christchurch Casino.

## Millennium Hotel Christchurch

Millennium Hotel Christchurch is a 5 star elegant luxury hotel located in the iconic Cathedral Square, the heart of the city's attractions, shopping and entertainment, with the Christchurch Convention Centre, Arts Centre and Casino just a few minutes walk from the hotel.

## Rydges

Perfectly situated in the heart of the city and adjacent to the picturesque Avon River, this iconic property offers panoramic views of the Southern Alps or Christchurch's famous Cathedral Square. Housing choices of contemporary accommodation with a myriad of facilities and services. The only hotel located within Christchurch's cultural and culinary precinct, and within easy walking distance to the convention centre and local attractions.

## Heritage Christchurch

The Heritage Christchurch is a unique hotel of historical heritage and prestige, centrally located in Cathedral Square, in the heart of Christchurch. Lovingly restored from the former turn of the century Old Government Building into a luxury hotel, the 'OGB' captures the charm, character and

ambience of the building's colonial past. The OGB, a magnificent Italian Renaissance building, features a sweeping grand staircase, original stained glass windows and a gracious timeless atmosphere. The modern hotel, adjacent to the OGB, combines all the facilities of a luxury hotel with a touch of classic style.

## Novotel Christchurch

Located in the heart of the city, Novotel Christchurch Cathedral Square newly opened in January 2010 and incorporates the heritage-listed Warner's historic hotel overlooking the Square.





Christchurch would like to present the following accommodation for the International Federation of Surveyors FIG Working Week Conference 2016

ACCOMMODATION OPTION	STAR RATING	RATE IN NZD
Novotel Christchurch Cathedral Square	★★★★★+	\$185.00 - Run of House Single/ Double/ Twin occupancy
Ibis Christchurch	★★★	\$135.00 - Run of House Single/Double/Twin occupancy
Millennium Hotel Christchurch	★★★★★	\$300.00 - Run of House Single/Double/Twin occupancy
Rydges Christchurch	★★★★★	\$185.00 - Run of House Single/Double/Twin occupancy
Heritage Hotel	★★★★★+	\$280.00 - Deluxe Room Single/Double/Twin occupancy
The Chateau on the Park		\$175.00 - Run of House Single/Double/Twin occupancy
The Marque Christchurch	★★★★★+	\$198.00 - Standard Room \$216.00 - Deluxe Room Single/Double/Twin occupancy

**NOTE:**

Indicative rates are quoted in New Zealand Dollars  
 Rates include GST currently at 15%  
 Rates are per room pre night  
 Rates are subject to change  
 All rates are 10% commissionable



# ATTRACTIONS

## AND RECREATION AROUND CHRISTCHURCH

The following is just a selection of what is on offer for ½ day and full day social programmes.

### Botanic Gardens

For every eight acres of developed and residential land in Christchurch, there is the equivalent of one acre of parkland and gardens. Undoubtedly the finest collection of exotic and indigenous plants found anywhere in New Zealand is in the Christchurch Botanic Gardens.

### Fishing

There are many rivers and lakes throughout the region which offer the opportunity to strike brown or rainbow trout, or salmon. Professional guides introduce you to their special places and can provide transport, equipment, licence and tuition if required. Charter boats for deep sea fishing or diving are available along the Canterbury coastline and around Banks Peninsula.

### Golf

There are almost sixty golf courses around Christchurch and Canterbury, including Hagley Golf Course in the heart of the city just a few minutes' walk from central hotels. There are also two international golf resorts - Clearwater Golf Resort in its oasis of lush parkland, rippling trout streams and crystal lakes, and Terrace Downs with its stunning mountain backdrop and spectacular views over the Rakaia River Gorge.

### Harbour Cruises

Enjoy a beautiful cruise around Lyttelton Harbour, the drowned crater of an extinct volcano, noting points of historical interest, geological phenomenon, a busy working container port and intriguing wildlife including the endangered Hector Dolphins.

### Helicopter Scenic Flights

Enjoy a magnificent scenic flight over Christchurch, the Pacific Ocean beaches, the harbours and hills of Banks Peninsula or be delivered into a pristine alpine or forest wilderness environment for fishing, hunting, hiking or enjoying the hospitality in a luxury retreat.

### Hot Air Ballooning

There is no other place in the world where it is possible to gently lift off and fly from the centre of the city, in view of the ocean, toward snow-capped mountains. A great way to start the day and watch the sun rise over the city and farmland. Flights also operate from Methven offering a full panorama of the Canterbury Province as well as Mount Cook and the Southern Alps.



## International Antarctic Centre

The world's best Antarctic visitor attraction, where the atmosphere of Antarctica is recreated in an interactive, fun and exciting experience with real snow and ice.

Ride in the Hägglund, a genuine Antarctic all-terrain vehicle.

The Antarctic Storm provides guests with the dramatic experience of the extreme weather of the Antarctic. Also experience The New Zealand Penguin Encounter located within the attraction at the International Antarctic Centre.

This 600 square metre enclosure will house up to 26 Little Blue Penguins.

This exciting 'state of the art' Encounter is New Zealand's first combined indoor and outdoor penguin viewing area.

## Jet Boating

Experience spectacular scenery and the thrill of a wild ride along the Waimakariri or Rakaia Rivers.

Surge through braided channels sometimes in just inches of water, experience heart-stopping 360° spins with the magnificent Southern Alps as your backdrop.

## Ko Tane - The Maori Experience

Ko Tane The Maori Experience demonstrates to guests how the Maori people survived in the rugged South Island. The experience includes a traditional powhiri, Maori performing arts, cultural concert, interactive village, wildlife tour and traditional (hangi) meal.

## Punting on the Avon

Be transported back to an elegant era as you are gently poled downstream by your gondolier. See the cityscape, from the water or float through the Botanic Gardens and Hagley Park. Full commentary provided on both tours, and catering is available.





PRE & POST

# TOURING

AROUND CHRISTCHURCH AND CANTERBURY

Within an hours' drive  
of Christchurch

## Akaroa

From Christchurch a leisurely 1 hour drive takes you around the hilly fingers of ancient lava flows to Little River with its intriguing arts and crafts shops. Climb to the rim of the extinct volcano which makes up Banks Peninsula where you are greeted by panoramic views across the harbour to the popular retreat of Akaroa.

Akaroa was originally settled by French colonists and their legacy is found in the street names and architecture of this 'southern riviera' resort. Harbour cruises introduce you to the history, geology and wildlife of this area, or you can swim with friendly Hector Dolphins, one of the rarest in the world.

Numerous cafés, bars and restaurants with seaside vistas offer superb cuisine including local seafood and fine wines. Browse the galleries, gift and craft shops for locally made jewellery, artwork, woodware, clothing and creative souvenirs. An overnight stop is highly recommended.

[www.bankspeninsula.info](http://www.bankspeninsula.info)

## Waipara Valley Wine Trail

The Waipara region, just 40 minutes' drive north of Christchurch is one of New Zealand's premier wine districts. Excellent Chardonnay and Pinot Noir varieties are produced.

Enjoy sampling, vineyard tours and fine cuisine. It is the fastest growing wine region in New Zealand with around 79 vineyards in the Waipara valley covering more than 800 hectares of plantings.

[www.alpinepacifictourism.co.nz](http://www.alpinepacifictourism.co.nz)

Within 1½ hours' drive  
of Christchurch

## Hanmer Springs

Hanmer Springs, a charming alpine village surrounded by snowcapped mountains and forests is where relaxation begins. Unwind in natural hot pools, play golf, hike or mountain bike the forest trails or saddle up for a gentle horse trek.

The Waiau River provides the rush of a jet boat ride, whitewater rafting or a bungy jump. Dine at delightful cafes and restaurants or fossick in the craft and art shops.

[www.alpinepacifictourism.co.nz](http://www.alpinepacifictourism.co.nz)

## Canterbury High Country

Just a 50 minute drive from Christchurch, located in the heart of Canterbury's high country, Terrace Downs High Country Resort overlooks the picturesque Rakaia Gorge.

Activities include: golf, four-wheel driving, jet boating, clay pigeon shooting and snow skiing over the winter months.

Another option is to board the TranzAlpine, one of the six top train journeys of the world, which takes you through the Canterbury Plains, through remote gorges and high into the Southern Alps and Arthur's Pass.

[www.ashburtontourism.co.nz](http://www.ashburtontourism.co.nz)

[www.selwyndistrict.co.nz](http://www.selwyndistrict.co.nz)



Within 2½ hours' drive  
of Christchurch

## Kaikoura

Journey from Christchurch through rolling farmland to a spectacular coastline sculptured by the ocean for millions of years. The Kaikoura Peninsula protrudes into these southern waters. Here, the fishing village of Kaikoura, once an early whaling settlement, is nestled between the Southern Alps and Pacific Ocean.

Take a whale watch tour, by boat or scenic flight. See giant sperm whales, dolphins, fur seals, sharks and a variety of seabirds. Enjoy a fresh crayfish (lobster) lunch at a local restaurant.

Kaikoura, Hanmer Springs and Waipara can be visited on a round trip day tour, but it is highly recommended that you include one or two nights for a more enjoyable itinerary.

[www.alpinepacifictourism.co.nz](http://www.alpinepacifictourism.co.nz)



Partners programmes and pre and post touring will be designed specifically for your Conference. Please find examples of possible tours on these two pages

### Central South Island & Timaru

In the heart of the South Island is a region of sweeping plains, rolling hills and unspoilt coastline. Set against a backdrop of the spectacular Southern Alps, the Central South Island is diverse, authentic and full of unexpected discoveries.

Stunning landscapes, adventure & outdoor recreation activities and art & cultural experiences are a feature of the Central South Island region, a place of welcoming people where genuine Kiwi hospitality thrives.

Timaru, with its striking piazza with stunning views over Caroline Bay, heritage architecture & treasured galleries & museums is the pivotal heart of the region and Canterbury's second city. It is well placed for you to explore the outdoors and the surrounding region comprising of the quintessential Kiwi towns of Geraldine, Peel Forest, Pleasant Point & Temuka.  
[www.southisland.org.nz](http://www.southisland.org.nz)

### Within 3 & 3½ hours' drive of Christchurch

#### Mackenzie Country

The Mackenzie is one of New Zealand's most refreshing and energising areas to visit. The region is an extraordinary scenic highland that extends from Fairlie to the township of Twizel.

The natural landscape encompasses Aoraki Mount Cook National Park, a World Heritage Area and New Zealand's tallest mountain.

The area also boasts some of New Zealand's most beautiful lake and alpine scenery.

A great option for pre or post conference touring, the Mackenzie District has an endless array of activities that all visitors can enjoy including scenic flights, walks, personalised 4WD tours, glacier boat cruises, stargazing, mountain biking, fishing, kayaking, and heli-skiing.

A welcoming atmosphere is customary in the cafes and restaurants throughout the region as well as in the great choices of accommodation including luxury lodge, hotel, motel and farmstays.

With a huge range of activities on offer, from the exhilarating to the serene, you'll have an unforgettable stay.

[www.mtcooknz.com](http://www.mtcooknz.com)



Tim Whittaker



Brian High



Fay Looney



Waimak Alpine Jet



PRE & POST

# TOURING

NEW ZEALAND

Where else in the world can you be  
snorkeling in crystal-clear waters mid-morning,  
and skiing powdery snow just a few hours later?

Or exploring deep into stunningly rugged rainforest  
one hour and sailing on an America's Cup yacht  
in a glorious harbour setting the next?

All of this natural beauty, unspoilt by the equally impressive cosmopolitan flavour, together with the fact that traveling here is extremely cost-effective, makes New Zealand the perfect place for business and pure pleasure.

Precious, diverse New Zealand is just waiting to be discovered – and the journey is an experience you will never forget.

An example itinerary for your New Zealand experience as follows:

Visit Auckland, New Zealand's largest city and enjoy the best in local food and fashion. Spend a half day out on the harbour in one of the America's Cup yachts or take a guided walk through Auckland's volcanic landscape.

Travel south over the Bombay hills, following the Waikato River to Hamilton, then on via Te Awamutu to Waitomo. Visit the Waitomo Caves and enjoy the magical boat-ride through the Glow-worm Grotto. Continue on via Lake Karapiro to arrive in Rotorua. Enjoy a Maori Hangi (feast) and concert in the evening.

Rotorua is the centre of the geothermal region of New Zealand and is also the main centre for Maori culture. Boiling mud, geysers and silica deposits surrounding the lake attract visitors from all over the world. Enjoy a thermal tour – visit Whakarewarewa Thermal Reserve, Rainbow Springs and Farm Show and Lake Rotorua. Perhaps take a tour to Mt Tarawera or the Buried Village or enjoy a swim at the Polynesian Spa.

Travel to NZ's capital city of Wellington stopping at Taupo on the way. Enjoy the beautiful scenery of Lake Taupo, spend a day fly fishing on one of the many rivers or streams in the region or play a round of golf on one at the magnificent Wairakei International Golf Course.

Arriving in Wellington after a beautiful drive through the Desert road make time to take a guided tour of Te Papa Tongarewa, the national museum of New Zealand. While in Wellington also enjoy the dynamic blend of arts, culture, food and wine that the city has to offer.

Depart Wellington for Picton on the Inter Island ferry. Upon arrival in Picton board the Coastal Pacific Train which winds its way along the magnificent East Coast to Christchurch.

Enjoy Christchurch, New Zealand's garden city and take a tour around public and private gardens. Explore the city or experience a horse trek over the hills of Banks Peninsula.

From Christchurch travel south across the Canterbury Plains, through farming communities before climbing up to the high plains of the McKenzie Country, pausing at the Church of the Good Shepherd to view Lake Tekapo. Continue to Mount Cook village nestled under New Zealand's highest mountain, Mt Cook.

The mountain overlooks a network of glaciers that feed Lakes Tekapo and Pukaki. There are a number of activities including walks, tramps and scenic flights that will enable views of Mt Cook and the glaciers.

From Mt Cook return along the length of Mt Pukaki then head south through Twizel and Omarama to the scenic Lindis Pass.







Once over the pass follow the Clutha Valley to its junction with the Kawarau Gorge at Cromwell. Queenstown is reached by following the “gold trail” alongside the winding Kawarau River. Queenstown nestles up to the northern shore of Lake Wakatipu from where it commands an expansive view of the peaks which surround the lake.

Take a Milford Sound Day excursion from Queenstown. Drive through the magnificent beech forests of the Eglinton and Hollyford Valleys, through the Homer Tunnel to Milford Sound for a launch excursion on the fiord.

Enjoy the breathtaking scenery including the awe-inspiring Mitre Peak with a full commentary on the natural history of the fiord. Return to Queenstown via coach or take a flight back on a small plane.

Enjoy time in Queenstown, the adventure capital of the world. Bungee jump, go jet boating, white water rafting, hiking, climbing and horse trekking. Then enjoy a wine tour of one of the best wine regions in New Zealand.

Depart for a full day journey from Queenstown to Franz Josef. During the trip you will traverse Kawarau Gorge, Hawera River and Lake Wanaka. Travel through Haast and continue on to Franz Josef.

Enjoy the magnificent Franz Josef glacier then travel to Greymouth on board the scenic Tranz Alpine for a rail journey famous for its spectacular mountain scenery as it traverses the Southern Alps which divide the East and West coasts of the South Island. Travel across the Canterbury Plains and back to Christchurch.



NEW ZEALAND:

# FACTS & FIGURES

## Geography

New Zealand is located in the South Pacific between the Pacific Ocean and the Tasman Sea, between latitude 35 and 45 degrees south, approximately 1200 miles to the east of Australia. New Zealand has a temperate climate with relatively high rainfall, green rolling hills in the North Island and majestic mountains, lakes and fiords in the South Island.

## Healthcare

New Zealand's public and private medical and hospital facilities provide a high standard of treatment and care. Medical services are not free to visitors. Travel and health insurance for delegates and partners is strongly recommended.

## Government & Politics

New Zealand is a politically stable country governed under Westminster-style democracy, with free elections held every three years.

The quality of goods and services – as well as food and beverage within New Zealand – is exceptionally high, with New Zealand wines, dairy produce, meat and horticultural products having a well deserved reputation for excellence.

## Money Matters

New Zealand currency comprises of New Zealand dollars and cents. Major international credit cards are accepted throughout New Zealand.

Trading bank hours are 9.00am to 4.30pm Monday to Friday. Most banks have a selection of branches that are also open on Saturdays, with some open on Sundays too. Banking facilities are available at Auckland, Wellington and Christchurch International Airports. Travellers cheques can be issued and cashed at banks, and also at bureaux de change, hotels and shops in cities and towns. There are over 3,500 ATMs (Automatic Teller Machines) in New Zealand, accessible 24 hours a day. Credit cards with international debit and credit plans can access New Zealand ATM machines.

## Visas

Visitors from over 50 countries are waived from the requirement of having a visa for stays of less than three months. For further information about visas please visit:

[www.immigration.govt.nz](http://www.immigration.govt.nz)

## Electricity

Electricity supply 230/240 volts, 50 hertz (USA voltage is 110 volts). Most hotels and motels provide 110 volt AC sockets (rated at 20 watts).

New Zealand and Australia use the same type of three-pin plug. Adapters are available from airport and electronic shops.

Step-down transformers are required for US appliances (except most laptop computers). These are available from electronic shops in New Zealand. Note: hairdryers and irons are available in most hotels.

## Mobile Telephones

New Zealand's GSM and CDMA mobile phone systems operate on 900MHz and 1800MHz. Travellers from the USA and Canada will need to set up international roaming with their network provider if they wish to bring their own phones. Local phones and sim cards are available for rental and do not incur roaming charges.

## Laptops

You will need a RJ45 type plug to be able to connect your laptop into a computer socket in New Zealand, and an adaptor with a flat two or three-point power plug to connect to the power supply.

No vaccination certificates are required. There are no snakes or dangerous wild animals in New Zealand.









**NEW ZEALAND  
100% PURE**

[newzealand.com](http://newzealand.com)