



JOINT WORKSHOP FIG COMMISSION 3 & COMMISSION 7 AND ANNUAL MEETING

- > CROWDSOURCING OF LAND INFORMATION
- > THE ROLE OF CITIZENS AND EXPERTS IN SENSING GEOGRAPHICAL INFORMATION

MALTA 16-20 NOVEMBRE 2015

WORKSHOP OBJECTIVES

Citizens, through crowdsourcing / Volunteered Geographic Information (VGI), are increasingly volunteering their knowledge, personal time and energy using the Internet and on-line tools to get work done, to obtain input and to stimulate action. Current applications include counting birds, checking water quality and creating new base mapping for developing countries - OpenStreetMap is the best example. Crowdsourcing has only recently been directly applied to the capture and management of land rights within the land administration sector. Is it feasible and can it help to rapidly shrink the security of tenure chasm? This workshop will explore how we can engage citizens through crowdsourcing within a new citizen collaborative model for land administration that would be much more inclusive for the disadvantaged and vulnerable, increase access to land markets and help support poverty reduction. The workshop will also investigate new exploitation, development and use methodologies of VGI derived information to various geographic and social scientific disciplines that make use of mapping, GIS, SIM and SDI systems and procedures. The aspiration is that these will give rise to the examination and legalisation of the legitimacy of big geodata and related processes and management procedures as a reliable spatial, environmental and sustainable infrastructure on local, as well as on global, scales.

TOPICS

While the workshop focus is on effective utilization of VGI within the framework of SDI and SIM, a larger number of topics of interest related to SDI, SIM, VGI and crowdsourcing will be discussed. Topics include but are not limited to:

- » National Mapping Agencies (NMAs): practices with VGI and managing of spatial information; theory, applications and best practice studies
- » Land management tools and innovative spatial information solutions addressing global and national challenges
- » Utilization of VGI and crowdsourcing with SDI and SIM on collection, dissemination, analysis, maintenance, and visualization
- » Applications of VGI in managing the built environment, legalization monitoring, property registration, planning reforms
- » Early warning systems, climate change, natural disasters and environmental protection: adapting working paradigms; case studies and possibilities
- » Tackling VGI and PM credibility issues: interoperability, uncertainty, quality, authenticity, validity
- » PM and Citizens Science – case studies and processes

19:00 - 20:00

WELCOME RECEPTION COMMISSION 3 AND COMMISSION 7

Venue Kudeta Hotel Bar Le Méridien



Le Méridien St. Julians Hotel & Spa
39 Main Street, Balluta Bay · St. Julians,
STJ1017 · Malta



**OPTIONAL
DINNER**

20:30 - 23:00
Piccolo Padre
Restaurant

08:45 - 12:30 MEET AT LEVEL 0 LE MÉRIDIEN
VALLETTA WALKING TOUR AND LUNCH AT
UBISTRO RESTAURANT FOR ACCOMPANYNG
PERSONS

08:30 - 09:30 [THE GALLERY]
REGISTRATION

09:30 - 10:30 [STUDIO 2]
FIG COM 3 / COM 7 INTERNATIONAL
WORKSHOP "CROWDSOURCING OF LAND
INFORMATION" *Opening Session -
Introduction of the event* Chair: Randolph Camilleri

› **Welcome**
Randolph CAMILLERI, Local Organiser

› **Introduction**
Enrico RISPOLI, Chair Commission 3 Spatial
Information Management
Gerda SCHENNACH, Chair Commission 7
Cadastre & Land Management

› **Welcome address**
Chryssy POTSIUO, President of FIG

› **Illustration of the Scene for Commission 7
part of event** / Robin McLaren, UK

› **Illustration of the Scene for Commission 3
part of event** / Sagi Dalyot, Israel



COFFEE BREAK

10:30 - 11:00

11:00 - 12:30 [STUDIO 2]
FIG COM 3 / COM 7 JOINT TECHNICAL
SESSIONS - CROWDSOURCING -
CADASTRE (PART 1)

Chair: Yerach Doytsher

Keynote Speeches

› **Keynote speaker Commission 7**
Jeff Ploetz, Cloudburst/USAID

› **Keynote speaker Commission 3**
Maria Attard, Malta



Discussion



LUNCH BREAK

12:30 - 14:00

The Gallery

14:00 - 15:30 [STUDIO 2]FIG COM 3 TECHNICAL SESSION 3.2 -
SDI/SIM (PART 1)

Chair: Hartmut Müller

› **A Research on Maps Published on Turkish
Newspapers and Experiences**

Pinar Sarin - Necla Ulugtekin, Turkey

› **Quality of Spatial Planning Documents
published on the Internet – the Case of
Poland**Agnieszka Bieda - Jaroslaw Bydlosz -
Piotr Parzych, Poland› **Facilitate Spatial Data Access**Christian Hickel – Maximilian Guntrum,
Germany

Discussion



COFFEE BREAK

15.30 - 16.00

The Gallery

16:00 - 17:30 [STUDIO 2]FIG COM 3 TECHNICAL SESSION
3.3 - CROWDSOURCING/VGI (PART 1)

Chair: Daniele Brancato

› **Person, Parcel, Power towards an
extended Model for Land Registration**Peter Laarakker – Jaap Zevenbergen – Yola
Zevenbergen, The Netherlands› **GIS 3D: serracapriola.net**

Pietro Grimaldi, Italy

› **Innovative Cartographic Displays on
Mobile Devices to facilitate Crowdsourcing
and Operations Management Activities**

Panos Lolonis, Greece

Discussion

17:45 - 18:45

COMMISSION 3 ANNUAL MEETING

DINNER BIANCO'S
RESTAURANT

20:15 - 23:00

Commission 3

08:45 - 12:30 MEET AT LEVEL 0 LE MÉRIDIENCRAFTS VILLAGE AND MOSTA AND LUNCH
AT UBISTRO RESTAURANT
FOR ACCOMPANYNG PERSONS**09:00 - 09:45 [STUDIO 1]**

FIG COM 3 KEYNOTE SPEECH

Chair: Charalabos Ioannidis

› **Keynote speaker**

Claire Ellul, UK



Discussion

09:45 - 10:30 [STUDIO 1]FIG COM 3 TECHNICAL SESSION 3.4 -
GIS› **Quantitative Model for Three-Dimensional
Analysis of Urban Environments Indicating
Qualitative Aspects**Diane Golub – Yerach Doytsher – Dafna
Fisher-Gewirtzman, Israel› **Spatial Analysis to Evaluate the Quality of
Life for Senior Citizens**

Ulrike Klein – Hartmut Müller, Germany

Discussion



COFFEE BREAK

10:30 - 11:00

The Gallery

11:00 - 12:30 [STUDIO 1]

FIG COM 3 TECHNICAL SESSION 3.5 -
CROWDSOURCING / VGI (PART 2)

Chair: Enrico Rispoli

› How to utilize the Citizens to gather VGI as a Support for 3D Cadastre Transition

Nikola Vučić – Vlado Cetl – Miodrag Roić, Croatia


› A Comparison of address Geocoding Techniques – Case Study city of Zagreb, Croatia

Vlado Cetl – Tomas Kliment – Tomislav Jugun, Croatia

› A New Model for Cadastral Surveying using Crowdsourcing

Konstantinos Apostolopoulos – Maria Geli – Poli Petrelli – Chryssy Potsiou – Charalabos Ioannidis, Greece

› Addressing Legal-Institutional ICZM implementation Barriers through the Use of Public Participatory GIS (PPGIS) – A Case Study: Safeguarding Open Spaces in Malta's Grand Harbour / Dirk de Ketelaere – Anna Spiteri, Malta

 Discussion



LUNCH BREAK

12:30 - 14:00
The Gallery

14:00 - 15:30 [STUDIO 1]

FIG COM 3 / COM 7 JOINT TECHNICAL SESSIONS - INNOVATIONS IN BUILDING LAND INFORMATION SYSTEMS (PART 2)

Chair: Robert Foster

› Open Tenure, Flossola.

Paul Munro faure, UN-FAO

› USAID MAST Project Tanzania.


Jeff Euwema, Cloudburst

› User-Generated Data for Analyzing Road-Type Use of Cyclists

Jody Sultan, Israel – Gev Ben-Haim, Israel – Jan-Henrik Haunert, Germany – Sagi Dalyot, Israel

› A Multi-Dimensional Land Information System for upgrading Urban Settlements

Chryssy Potsiou – Charalabos Ioannidis, Greece

 Discussion



COFFEE BREAK

15:30 - 16:00
The Gallery

16:00 - 17:30 [STUDIO 1]

FIG COM 3 TECHNICAL SESSION 3.6 -
SDI/SIM (PART 2)

Chair: Cromwell Manaloto

› Mapping Development of two Countries: Italy and Turkey


Gianrico Baldini, Italy – Pinar Sarin, Turkey

› Integration of Energy Data in a City GML Model

Tassos Labropoulos – Dimitra Manta – Katerina Tsangouri – Efi Dimopoulou, Greece

› Post Disaster Crack Assessment of Building Parts using Terrestrial Data and Building Information Models

Reem Zeibak, Sagi Filin – Rafael Sack, Israel

 Discussion



DINNER BIANCO'S
RESTAURANT

20:15 - 23:00
Commission 3
Commission 7

08:45 - 12:30 MEET AT LEVEL 0 LE MÉRIDIEN
HARBOUR CRUISE AND SLIENA AND LUNCH
AT UBISTRO RESTAURANT FOR
ACCOMPANYNG PERSONS

09:00 - 11:00 [STUDIO 2]
FIG COM 3 / COM 7 JOINT TECHNICAL
SESSIONS - MANAGING THE PRIVACY
AND SECURITY OF LANDS RIGHTS
INFORMATION (PART 3)

Chair: Gerda Schennach

› **Should Volunteered Geographic Information on Land Parcels be Formalized or coexist with the Formal Land Administration Systems?**

David Siriba, Kenya – Sagi Dalyot, Israel


› **Crowdsourcing: Privacy and Protection of Personal Data, the Italian Declaration of Internet Rights**

Alessandro Dalmasso - Daniele Brancato -
Luca Dal Buono – Cromwell Manaloto, Italy

› **3d Cadastre Modelling of Customary Real Property Rights**

Efi Dimopoulou - Dimitrios Kitsakis - Christos Apostolou, Greece

› **Panel discussion**

 **Discussion**

 **COFFEE BREAK**

11:00 - 11:30
The Gallery

11:30 - 12:30 [STUDIO 2]
FIG COM 3 / COM 7 JOINT CLOSING
SESSIONS - HIGHLIGHTS OF THE
CONFERENCE AND CLOSING (PART 4)

› **Proclamation of the best paper of Commission 3**

› **Summary - Conclusions**

Enrico RISPOLI, Chair Commission 3 Spatial Information Management
Gerda SCHENNACH, Chair Commission 7 Cadastre & Land Management

› **Thanks**

 **LUNCH BREAK**

12:30 - 13:30
The Gallery

14:00 - 17:00

TECHNICAL EXCURSION TO HAGA
QIM TEMPLES Chair: Randolph Camilleri

Haga Qim Temples
Triq Hagar Qim, Il-Qrendi QRD 2501, Malta



18:15 - 23:00

MDINA TOUR PLUS
FAREWELL DINNER

› Departure from Le Méridien 18.15

08:00 - 17:00

POST SEMINAR TOUR TO THE ISLAND OF GOZO

› Departure from Le Méridien 8.00 hrs



Island of Gozo / Malta



DINNER

19:30 - 21:30

SCIENTIFIC COMMITTEE

Sagi Dalyot	Technion - Israel Institute of Technology	Israel	Chair
Klaus Boehm	University of Applied Sciences Mainz	Germany	PC Member
Hartmut Müller	HS Mainz University of Applied Sciences	Germany	PC Member
Vyron Antoniou	HMGS	Greece	PC Member
Kai-Christian Bruhn	University of Applied Sciences Mainz	Germany	PC Member
Yerach Doytsher	Technion - Israel Institute of Technology	Israel	PC Member
Charalabos Ioannidis	National Technical University of Athens	Greece	PC Member
Joep Crompvoets	KU Leuven - Public Management Institute	Belgium	PC Member
Gev Ben-Haim	Technion - Israel Institute of Technology	Israel	PC Member
Rahmi Nurhan Çelik	İstanbul Technical University	Turkey	PC Member
Danny Vandenbroucke	SADL/KU Leuven	Belgium	PC Member
Jan-Henrik Haurert	Universität Osnabrück	Germany	PC Member
Robert Seuss	FH Frankfurt	Germany	PC Member
Efi Dimopoulou	National Technical University of Athens	Greece	PC Member
Izabela Karsznia	Warsaw University	Poland	PC Member
Laszlo Zentai	Eötvös University	Hungary	PC Member
Bela Markus	UWH GEO - Institute of Land Development	Hungary	PC Member
Peter Van Oosterom	Delft University of Technology	The Netherlands	PC Member
Hardly Lehmkuehler	HFT Stuttgart	Germany	PC Member
Bashkim Idrizi	Geo-SEE	FYROM	PC Member
Chryssy Potsiou	National Technical University of Athens	Greece	PC Member
Enrico Rispoli	Consiglio Nazionale Geometri e Geometri Laureati	Italy	PC Member
Frances Plimmer	FIG	Kenya	PC Member
David Siriba	Department of Geospatial and Space technology, University of Nairobi	Kenya	PC Member
Lijuan Zhang	Technion - Israel Institute of Technology	Israel	PC Member



CONTACTS

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