

Closing remarks

TF on Governance

many thanks

to

VP Diane Dumashie

# Voting of the 2 Vice Presidents

after 143 years GA has  
elected the 1<sup>st</sup> time  
a VP from Sub Saharan Africa

Thanks  
to  
Orhan Ercan

Some statistics

- **341** abstract accepted
- **21** peer review papers accepted, **43** received
- **41** technical sessions
- **8** partners sessions (FAO, UN-GGIM and UN-Habitat/GLTN)
- **4** FIG special sessions
- **14** Sponsor sessions including Platinum member sessions
- **2** French speaking sessions

# YSN

Everyone's contribution counts!!

# YSN = Young Surveyors Network 1

LIVE 40:37

Roshni Sharma

Claire Buxton/Tom Kitto

Cemre Sahinkaya

Cemal Özgür KIVILCIM

**MAP FGM**  
**OUT OF TANZANIA**

Your help allows us to track where cuttings are happening, and helps girls to find safe houses more easily to stay safe

*Join us*

**24-HOUR MAP-A-THON**  
Starting Thur 24/6/21 1030 CET

Volunteer Community Surveyor Program

FIGNL

WORKING WEEK 2021 20-25 JUNE  
SMART SURVEYORS FOR LAND AND WATER MANAGEMENT  
CHALLENGES IN A NEW REALITY

CROWD2MAP TANZANIA  
Putting rural Tanzania on the map  
For 5 years

## YSN Mentoring Session

### *Learning from others*

- *SSSI Young Professionals Mentoring Programme.*
- *VCSP In-Country Mentorship.*
- *How can we create a framework for a YSN Mentoring Programme.*

## Paper Presentation

### e-Volunteering in Unprecedented Times: New Synergies to Address Environmental Challenges

Sharma, R. (Australia), Kitto, T. (Canada), Sahinkaya, C., Kivilcim, C. (Turkey), and Claire Buxton (Canada)



# YSN = Young Surveyors Network 2

Workshop

VCSP/GeoSpatial Next



Paper\_1113

22\_June\_2021

## Strengthening Land Rights in Pader District, Uganda with the Volunteer Community Surveyor Program

Israel TAIWO (Nigeria),  
Simon MWESIGYE (Uganda) and  
Claire BUXTON (Canada/NZ)

2021



Workshop on e-Volunteering to Address Environmental Challenges - A Real-life Example with a Real-time Project

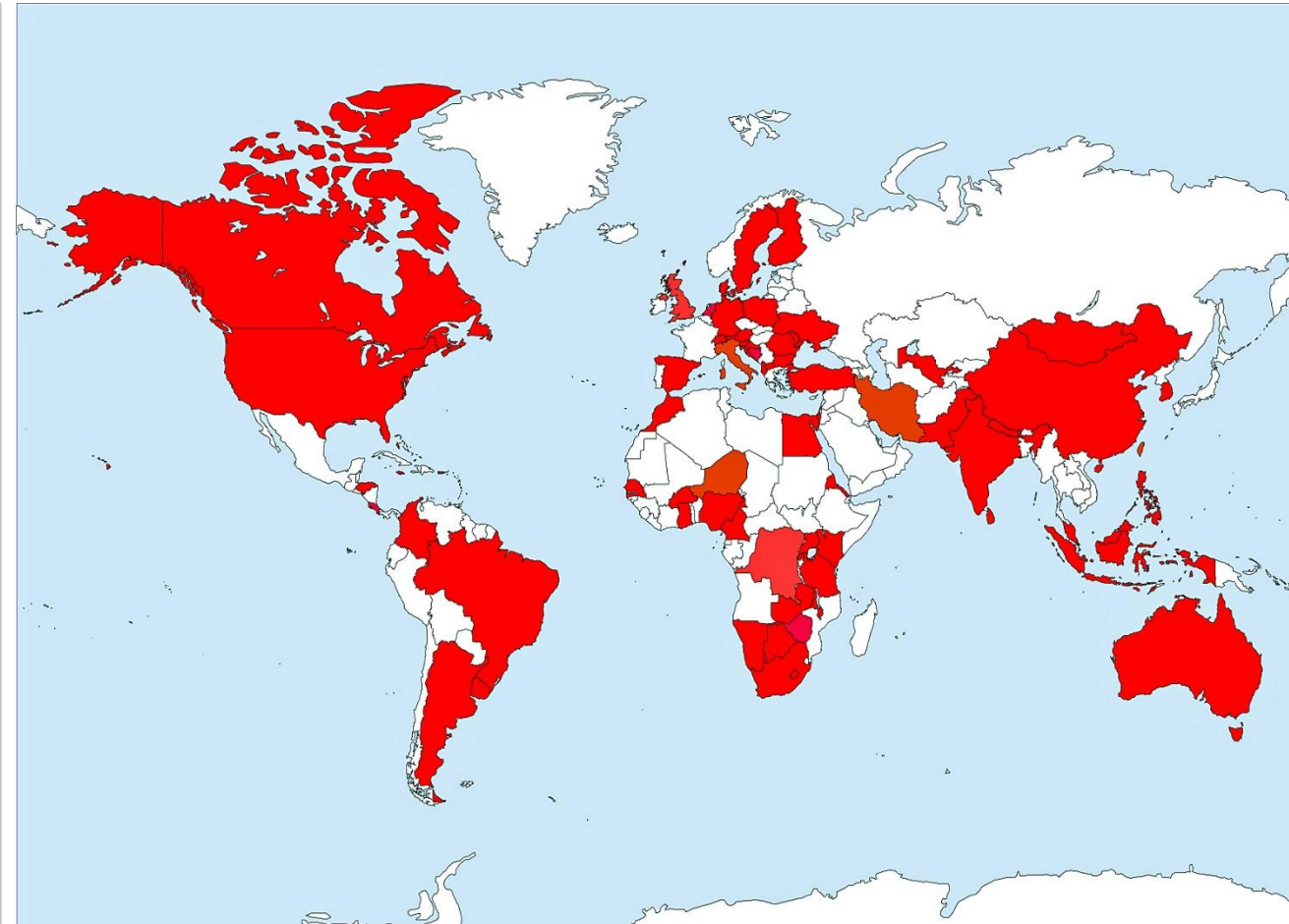
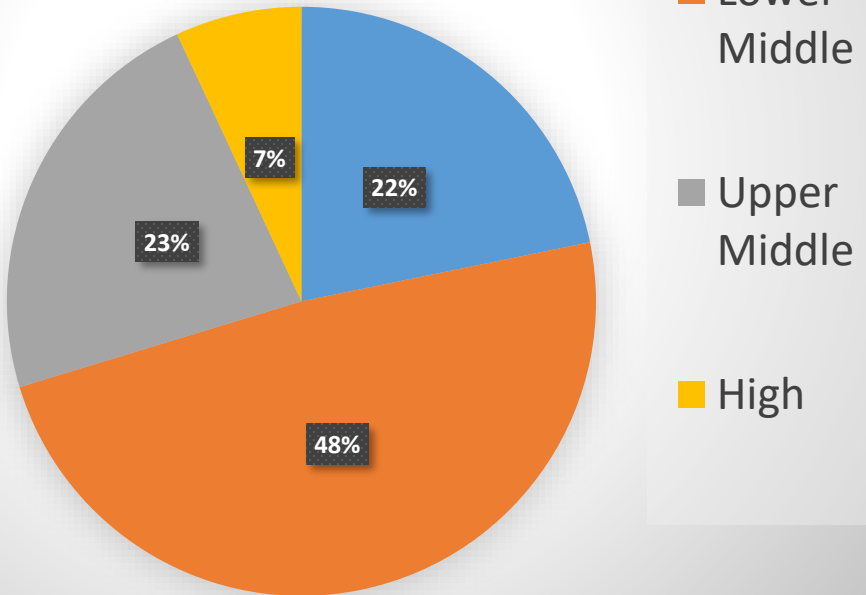
**20 years of FIG-  
Foundation  
Congratulations!!**

# FIG-Foundation



**Distribution of FIG Grants 2002 – 2021**  
**240 grants**  
**75 countries**  
**over 350,000 EUR**

**FIG Foundation Grants 2002-2021**  
**by World Bank Income Level**  
**(in total value awarded)**



# Commission 1

International  
Ethical  
Standards

Women in  
Surveying

International  
Boundaries  
Settlement &  
Demarcation

**UNSDGs:**

**5 Gender Equality**

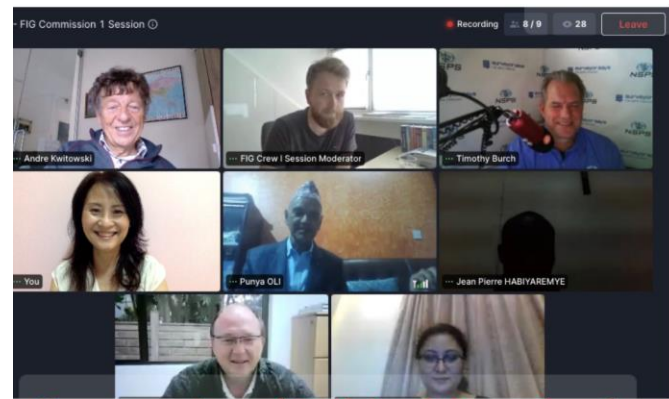
**13 Climate Action**

**16 Peace, Justice, Strong Institutions**

**Next Publication:  
Maritime Boundaries**

**Need for Border Manifesto**

**Need for International Measurement Standards**



*International Ethical Standards*



**Need for Border Manifesto**

**Need for International Measurement Standards**

# Commission 6 Engineering Surveys

has been involved in

- two technical sessions
- its annual meeting and
- the workshop “Augmented Reality in Construction”.

The screenshot displays a Zoom meeting interface. On the left, a navigation sidebar includes 'Reception', 'Stages', 'Sessions' (highlighted with a 'NOW' badge), 'Networking', and 'Exhibition'. The main area shows a grid of video feeds: 'You' (top-left), 'Bruno Fileno, Topcon' (top-right), 'Tor-Erik Djupos, Trimble' (bottom-left), and 'Corinna Harmening' (bottom-right, showing a blue circle with 'CH'). A third participant, 'Adam Box, Topcon Positioning Group', is visible in a smaller feed at the bottom. The bottom of the screen features a 'Moderation Panel' and a '1 request in the queue' notification. On the right, a chat window is open, showing a list of messages from participants like Taridouye Gagariga, Volker Schwieger, Shakti Prakash Joshi, Afeez Abubakar, and Corinna Harmening, discussing technical topics related to GNSS and AR.

# Commission 7

a lot of activities & sessions !!

Contributions from  
a number of longterm-  
active Commission  
members!

endorsement of UNGGIM FELA in 2020

further development of the LADM standard

Quality and Maintenance

PPPs

# Commission 3 + 8

This was the highlight of the week

## Joint session 8.2 'GIS for Monitoring and Evaluation of Sustainable Land Use'

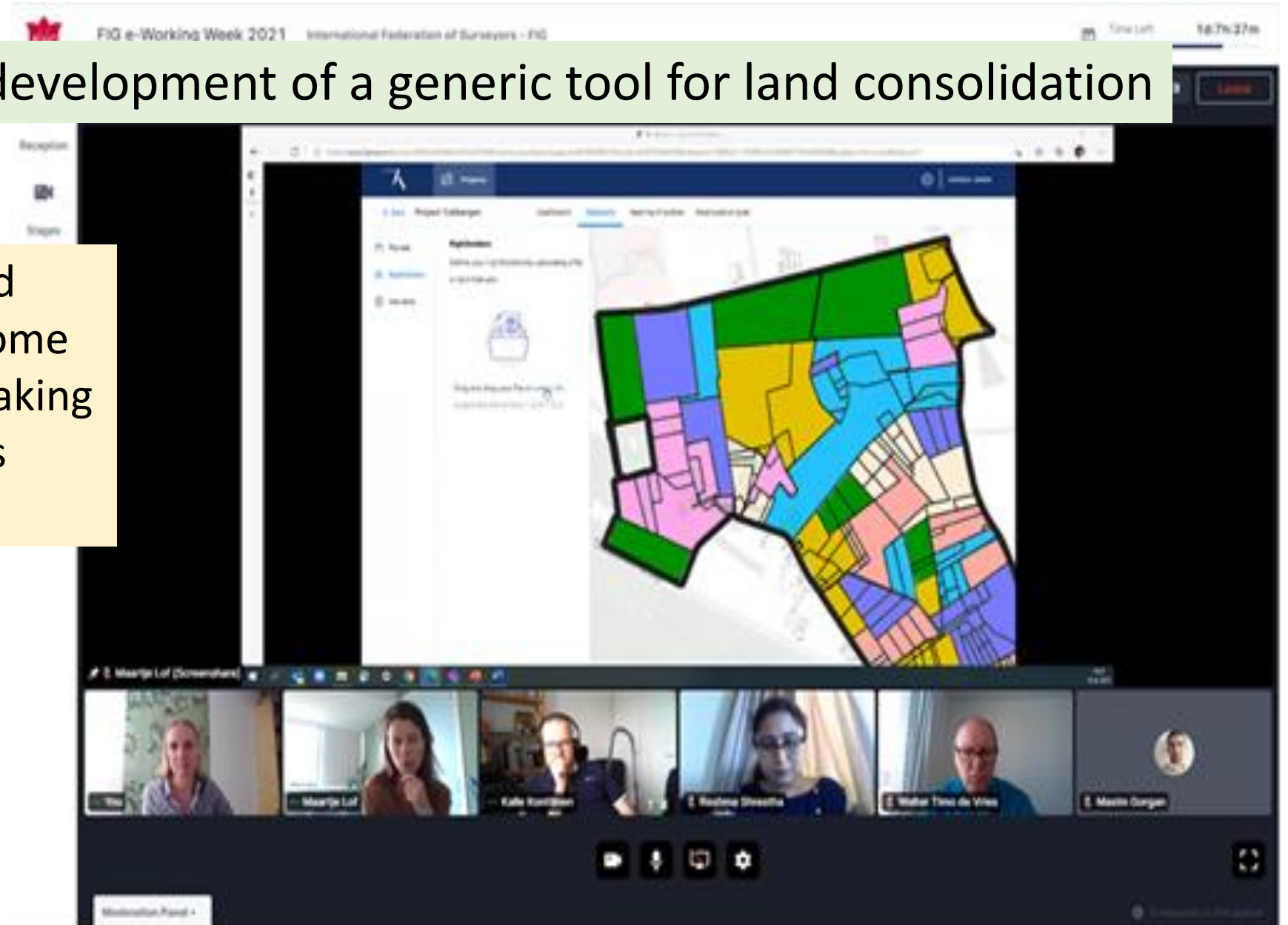
- early warning system for deforestation
- a digital twin of the living environment
- geo-information strategy for hazards / for planning scenario's.



# Commission 8

Session about the development of a generic tool for land consolidation

The result was discussed plenary and provided some constructive feedback taking into account the various country contexts



The screenshot shows a Zoom meeting interface. At the top, the meeting title is "FIG e-Working Week 2021 International Federation of Surveyors - FIG". The time left is 16:7m:27m. The main content is a presentation slide displaying a map of land parcels, each colored differently (green, yellow, blue, pink, purple, orange). The map is overlaid on a white background with some text and icons. Below the map, there is a row of six video thumbnails showing participants: a woman with blonde hair, a woman with dark hair, a man with glasses, a woman with glasses, a man with glasses, and a man with a grey background. At the bottom, there are icons for mute, video, chat, and settings.



**Main Stage:** Launch of Valuation of unregistered land – practice manual – a game changer for millions of people- see slide 2.

**Session 9.1** – fabulous conversation planning the next steps to follow on from the practice manual – including the key issues of the valuation of natural capital

**Session 9.2** –How Valuation supports better decision making and can provide a clear audit trail through complex decision making processes. 5 papers exploring game changers in data provision, Covid 19 impacts on value and how to increase trust in valuations

## Valuation of Unregistered Land – A Practice Manual

[Add Comment](#) [42 Views](#) [2 Min Read](#)



VALUATION OF  
UNREGISTERED LAND  
*A PRACTICE MANUAL*

# 13 years PRS

## - Peer-Review-System -



**45** papers received

**21** finally accepted

Chief Editor:

Prof. **Volker Schwieger**, Germany

Members:

Dr. Prof. **Chryssy Potsiou**, Greece

Ms. **Gerda Scennach**, Austria

Prof. Dr. -Ing. **Hartmut Müller**, Germany

Ms. **Heidi Falkenbach**, Finland

Dr. **Jesper Paasch**, Sweden

Eng. **Maria Joao Henriques**, Portugal

Ms. **Marije Louwsma**, the Netherlands

Prof. **Yerach Doytsher**, Israel

Paula	<b>Redweik</b>	Portugal	Andreas	<b>Eichhorn</b>	<b>Germany</b>
Nikola	<b>Vucic</b>	Croatia	Lars E.	<b>Engberg</b>	Sweden
Ana Claudia	<b>Teodoro</b>	Portugal	Enrico	<b>Rispoli</b>	Italy
Ana	<b>Fonseca</b>	Portugal	Tuomo	<b>Heinonen</b>	Finland
Christian	<b>Clemen</b>	Germany	Milan	<b>Horemuz</b>	Sweden
Robert	<b>Kaden</b>	Germany	Bashkim	<b>Idrizi</b>	North Macedonia
Beata	<b>Calka</b>	Poland	Charalabos	<b>Ioannidis</b>	Greece
Ana Paula	<b>Falcao</b>	Portugal	Gordon	<b>Johnston</b>	United Kingdom
Karlheinz	<b>Gutjahr</b>	Austria	Hans	<b>Lind</b>	Sweden
Markus	<b>Gerke</b>	Germany	Reinfried	<b>Mansberger</b>	Austria
Kevin	<b>Ahlgren</b>	United States	Mila	<b>Koeva</b>	Austria
Cristina	<b>Catita</b>	Portugal	Norbert	<b>Pfeifer</b>	Austria
Mike	<b>Barry</b>	Canada	Heinz Jurgen	<b>Przybilla</b>	Germany
Elzbieta	<b>Bielecka</b>	Poland	Rohan	<b>Bennett</b>	Australia
Rahmi Nurhan	<b>Celik</b>	Turkey	Daniel	<b>Roman</b>	United States
Christiaan	<b>Lemmen</b>	the Netherlands	Harald	<b>Sternberg</b>	Germany
Sagi	<b>Dalyot</b>	Israel	Kauko	<b>Viitanen</b>	Finland
Yerach	<b>Doytsher</b>	Israel	Winrich	<b>Voss</b>	Germany
Sabina	<b>Żrobek</b>	Poland	Sabina	<b>Żrobek</b>	Poland

# TF on Abbreviations

**HLG-IGIF**

**=**

**High Level Group - Integrated Geospatial Information Framework**

# What is a smart surveyor?

What makes a smart surveyor or what is smart surveying?

0 1 8

A word cloud visualization of terms related to smart surveying. The word "technology" is the largest and most prominent. Other significant words include "Artificial Intelligence", "augmented CloudRTK", "Ubiquitous", "intelligent", "holistic practice", "accurate", "precision", "place independent", "IT connected", "diversity", "quick", "redundancy", "dedundancy", "collaboration", "cost effective", "Internet", "cost-efficiency", "ethical practice", "autonomous", "knowledge of law", "indoor positioning", "easy transferable data", "Positioning Infrastructure", "mobile strategic planning", "inclusion", and "cost efficient and fast".

Cost efficient and fast    Artificial Intelligence  
augmented CloudRTK  
holistic practice    intelligent    Ubiquitous  
accurate    precision    place independent  
IT connected    diversity    quick    redundancy dedundancy  
collaboration  
cost effective    **technology**    cost-efficiency  
Internet    inclusion    mobile strategic planning    ethical practice  
autonomous  
knowledge of law  
indoor positioning  
easy transferable data  
Positioning Infrastructure

# VISA

For the 1<sup>st</sup> time for years

we had no complaints!! 😊

# FIG Statement June 2021 – the future of the Surveying Profession post 2020: formulated by a panel of upcoming young leaders

**RACE** to attract / develop talent with the key people skills

→ **R**esponsibility, **A**mbassadorial, **C**ollaborative and **E**ngaging.

→ **Offering platforms** for the whole range of generation in our profession

→ **Branding**: Public perception of what we stand for!  
term 'surveyor' → to geometrician?

→ **Global connectivity**

→ **Education & - Lifelong learning**

**Keynote sessions**



**Decentralisation** is accelerating -> virtual format.

Rapid **digitisation / digitalisation** – covid-19 has generated a huge push for e-governance.

1- Covid-19  
→ impacted our  
profession

**Digital** divide / **gender** divide.  
Are these covid-19 impacts enhancing?

**No** bank-loan for your  
business development

Reveal **passion**  
in young people!

2- Jack Dangermond

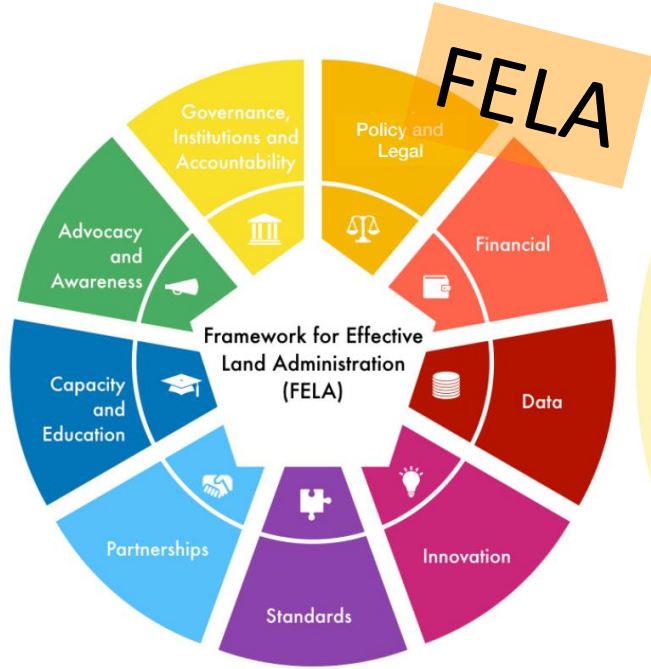
**Contribute** to the challenges!  
Climate change, sea level rise, ....

FFP is needed

3- 10 years of  
FFP = Fit for Purpose

FFP is not static

The nine strategic pathways of the Integrated Geospatial Information Framework (IGIF) guide FELA. All pathways are linked and overlap and address a specific objectives.



All pathways are related back to the SDGs and the IGIF, and lead to the articulation of approaches, methods and tools, specific to land administration and management, that can be used at national and sub-national level for the implementation of FELA.

Implementation of  
the National Action Plan

**CAP = Capacity Action Plan**

4- Integrated geospatial  
information for  
transformational change

There is also a business model  
in the fulfilment of the SDGs



**UN-GGIM**

United Nations Committee of Experts on Global Geospatial Information Management

**Diversity** is  
the responsibility of all!

**Role models** come from men  
and women, young and old!

5- Diversity & Inclusion

**Start the change** from our own homes,  
in our own communities and countries!

How can digital and spatial techniques help governments in making efficient and knowledge-based decisions?

the geocommunity is being challenged to reflect on the ethical aspects of the new techniques!



6- Digital Twins

Everyone has to use and build upon this joint basis to develop themes and digital twins

Be comfortable  
being uncomfortable!

Success is divided

Own / corporate / customer

CSO=Chief Success Officer

7- Success – A  
continuous journey

Do your homework and think of your own journey

Success is measurable!

Working with our partners



**UN-GGIM** with **FELA** and **IGIF** will continue

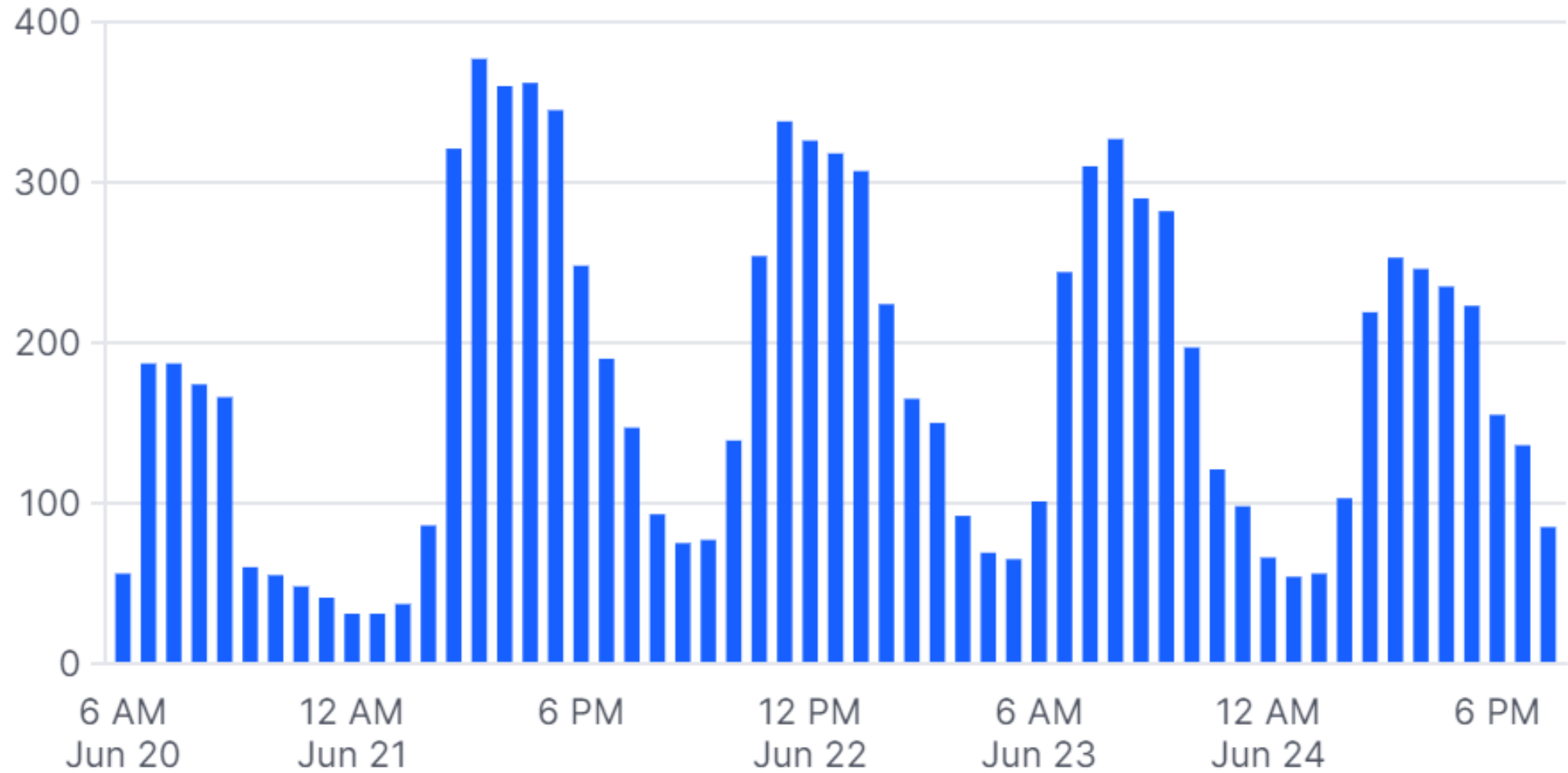
**GLTN** our longterm and continous journey continues

**FAO** outcome from keynote & sessions are the  
base for further cooperation

# Preliminary statistics

- **1270** registered participants
- **110** countries represented
- Average time spent /participants: **17** h **58** min

# Attendance (in CEST)









- Most chat in the Keynote stage area (followed by helpdesk)
- Networking functionality most used, followed by keynote stage

Qualitative good sessions







Attractive virtual programme

Network & socialize

#### Top areas by chat messages

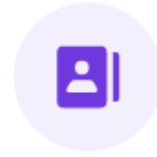
 KEYNOTE STAGE	730 (13.95%)
 Help desk	553 (10.57%)
 Event chat	397 (7.58%)
 KADASTER STAGE	264 (5.04%)
 ESRI STAGE	230 (4.39%)
 Make Your Mark. STAGE	157 (3%)

#### Top areas by attendees

 Networking	712
 KEYNOTE STAGE	694
 KADASTER STAGE	545
 ESRI STAGE	478
 ArcGIS STAGE	391
 Help desk	365

# Networking & Interaction

- 5000+ chat messages
- 408 Networking meetings
- 122 connection requests
- 14 scheduled meetings



**122**

Connection  
requests



**14**

Scheduled  
meetings



**5.254**

Chat messages



**408**

Networking  
meetings

# Targets achieved?

## Core principles E-working week 2021

Inspires &  
connects

ww is a global  
event

Qualitative  
good sessions

Attractive  
virtual  
programme

Exchange  
knowledge

Network &  
socialize

Different  
professional  
groups

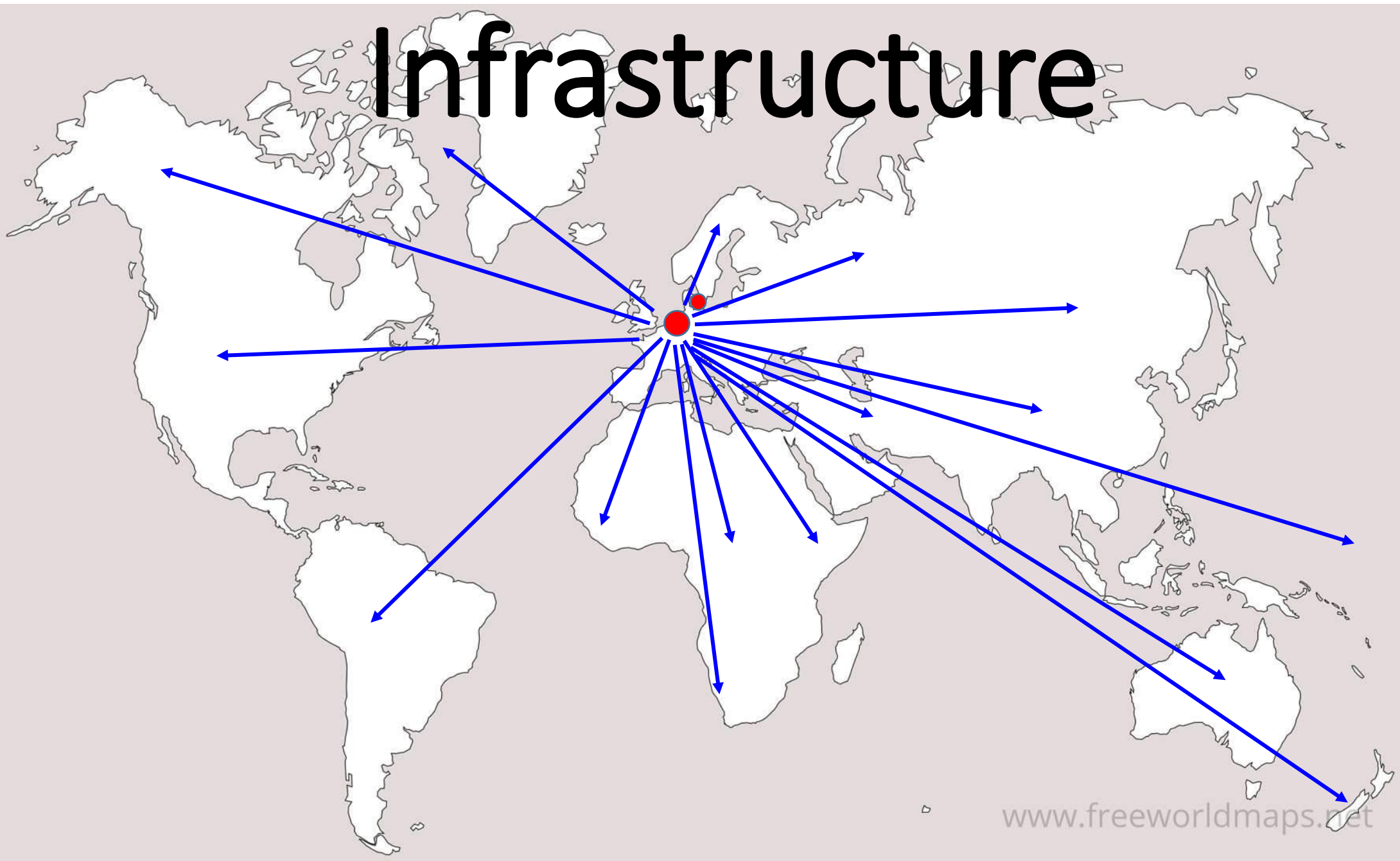
Enlarge the  
community

Presidents meeting

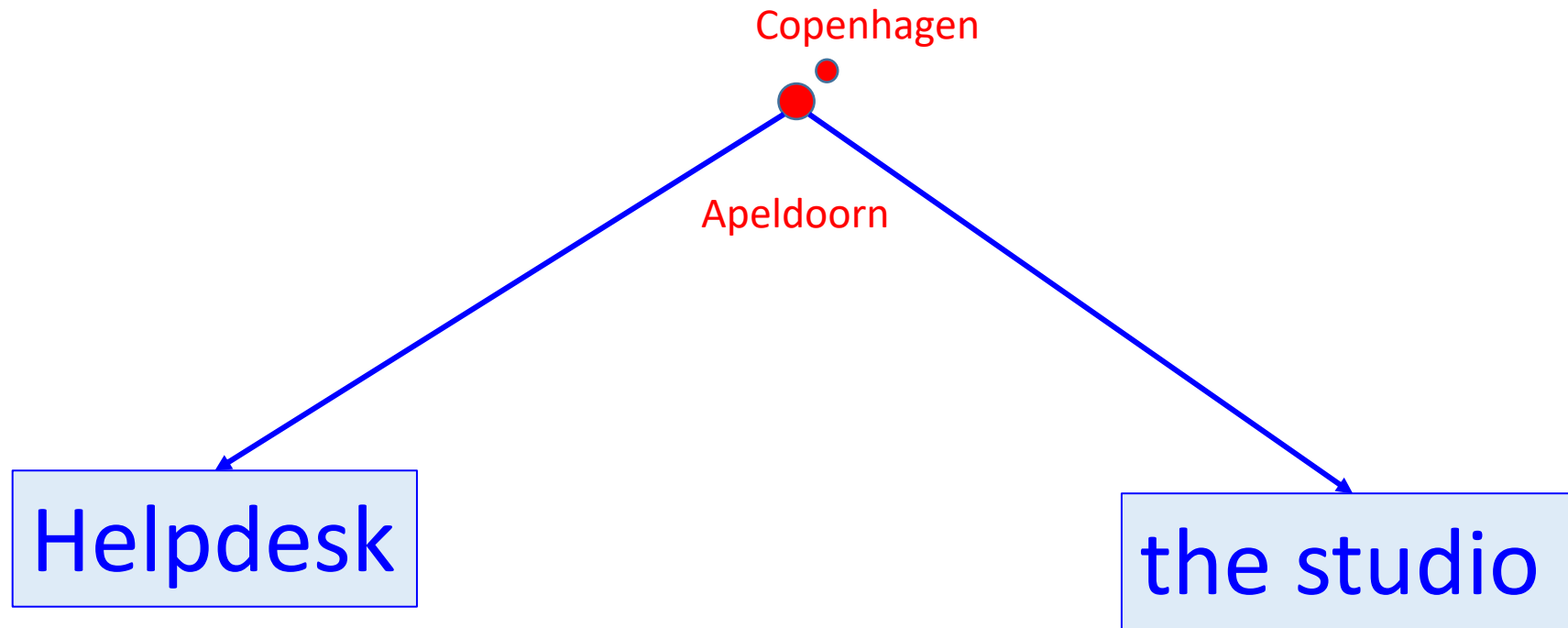
Meeting the President



# Infrastructure



# Infrastructure



# Comments I have received !!

top top top work behind the scene - having a almost 24/7  
helpdesk incredible!

technical issues were immediately solved

most common sentences are

'***can you hear me?***'

'***you are muted***'

'***we can not see your presentation***'

# Comments I have received !!

Hopin overall great tool with a lot of fun

had the same feeling as also during a normal conference - too many sessions at the same time where you want to attend - but real benefit hopping (with HOPIN) from session to session has never been that easy!

# Comments I have received !!

**networking sessions** awesome - had some nice conversations almost like in real life

**keynotes** overall great and high quality - didnt matter of complete online or in person - all good and interesting

**LADM II workshop** seriously awesome!!! soooo many participants almost 80/90 in a session - so i guess if you add all the participants i am sure it was the workshop with most participants

Thank you very much!!



It is time for an evaluation now!