



FIG

FIG WORKING WEEK 2017

Helsinki Finland

29 May - 2 June 2017

President's Report to the General Assembly

Prof Chryssy A Potsiou
FIG President

Surveying the world of tomorrow -
From digitalisation to augmented reality

Organised by



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From digitalisation to augmented reality

Geospatial Transformation of the World

Objectives:

- *the 2030 Sustainable Development Agenda &*
- *the Sustainability of our Profession*

Council collaboration with:

- *International Organizations*
- *Collaboration at Regional level*
- *Collaboration with our members at local level-visits-events*
- *Commissions-Task Forces-Networks*



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

2016



ANNUAL
REVIEW

"Ensuring the Rapid Response to Change,
Ensuring the Surveyor of Tomorrow"



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Increase the value of geospatial data for all people

Our mission:

to deliver more benefit, more transparency, more safety, more environmental quality, more growth, more fairness, more education, more gender equality, and more efficiency in governance of urban and rural areas.

This is our contribution to the dream of a future intelligent city and a sustainable management of natural resources.

The Sustainable Development Goals Report
2016



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From digitalisation to augmented reality

From a “spatially enabled” society to a “spatially mature” society

From the need for providing

- *reliable,*
- *evidence-based,*
- *open or low cost data*

for decision-making, toward

- *massive creation & consumption of data (structured/not)*
- *extended use of affordable smart devices*
- *increasingly high downloading speeds*
- *the Internet of Things*
- *cognitive computing for all to improve human decision-making*
- *the provision of personalized information*
- *the Internet of Me*



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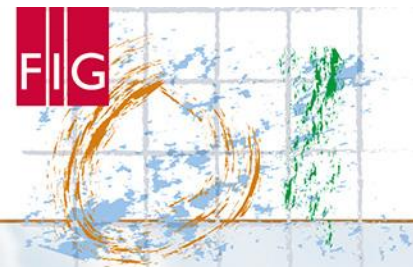


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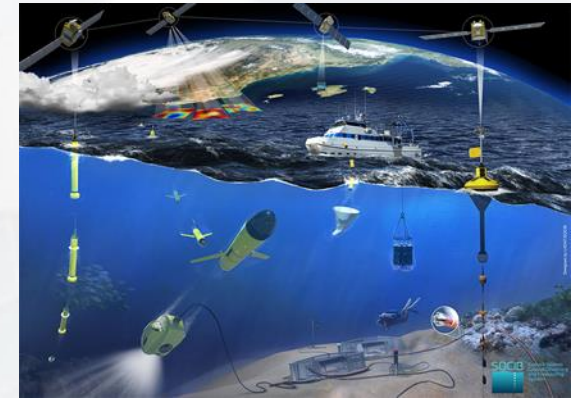
Location information changed people's perceptions

- *The geospatial transformation of the society supports*
 - *Transportation*
 - *property markets, access to credit mechanisms,*
 - *construction,*
 - *city modeling, monitoring*
 - *fair taxation, disaster recovery, humanitarian support*
 - *agriculture & water management, ...*

- *we cannot measure or monitor sustainability and growth without the intelligent use of evidence-based geospatial data*

- *Technology helps us to “uncover” the missing information and reduce inequalities...*

- *Development of indicators to monitor the progress*



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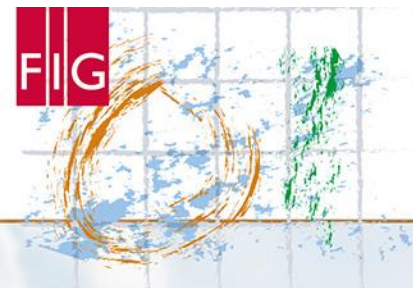


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Professional aim: to increase our skills

- *combine authoritative and non-authoritative data*
- *a FFP infrastructure*
- *interpret & process data; inform once and use it several times*
- *increase “usability” of data, systems and tools, (professionals & communities)*
- *establish a mechanism for a consistent and repeatable update of information to compare & monitor the “**geospatial maturity**” of our society: our ability to retrieve the right information and use it to optimize activities required to achieve the SDGs.*



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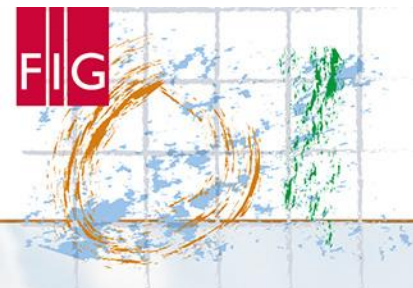


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The theme of FIG WW 2017

“Tomorrow is only a short step away-or may be here already, today. It is not so much a question of making things digital any more but rather using technology as a tool to add new dimensions to what we see around us”

The theme of FIG 2018 Congress

“Embracing our smart world where the continents connect: enhancing the geospatial maturity of societies”



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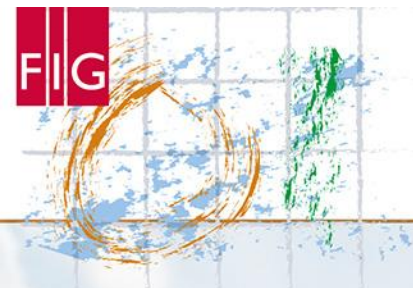


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Collaboration with GLTN

- **FIG WW 2016 : STDM workshop, special GLTN sessions**

President participated in the :

- **GLTN Strategic Meeting in Hague, July 2016, on the Mid Term Review Report (2012-2015) of GLTN Phase 2 (2012-2017), Way Forward and GLTN Governance:** country engagement , tools & impact, capacity, network's vibrancy.
- **Skype IAB Meetings on country strategies:** DRC, Uganda, Zambia, Nepal, development of **GLTN Phase 3 strategy** & finalizing the 2018 work plan
- **IAB meeting, during the WB conference, Washington**



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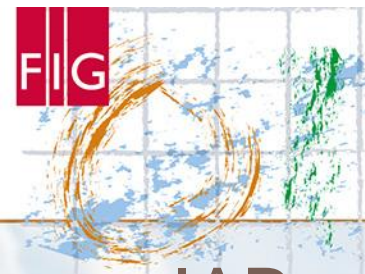


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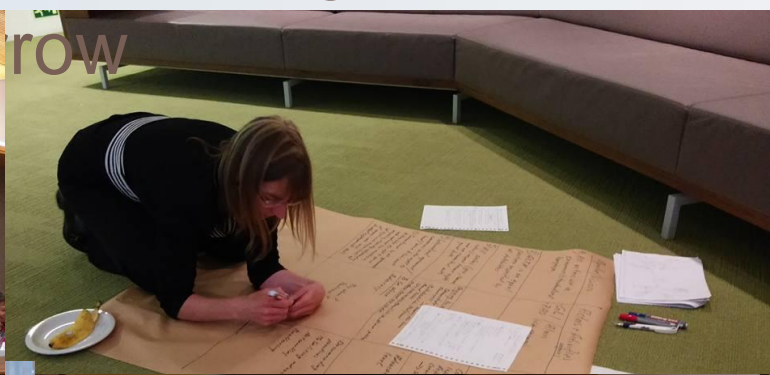
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IAB members imagining & planning the world of

row



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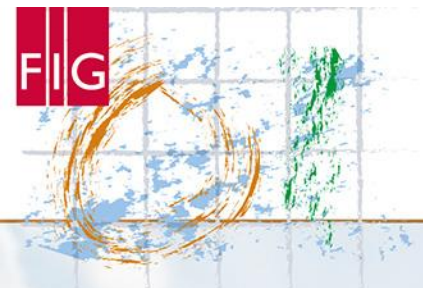


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- **President** organized a **GLTN/FIG EGM on Valuation of Unregistered Lands**, August 2016, Sounio, Greece (FIG council members present)
- **VP Dumashie** participated in **HABITAT III** in Quito-October 2016, and in the **26th Session of UN-Habitat Governing Council** - Nairobi 8-12 May, 2017
- **FIG WW 2017:**
 - **STDM** workshop, special GLTN sessions
 - **Professional Cluster Work Plan:** to present the progress (meeting on valuation, improvements of STDM, ARN, FGF meeting, FIG/GLTN sessions, YSN training/country implementation) & structure the way forward



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Collaboration with UNGGIM

➤ **the 4th High-level Forum on UNGGIM, in Addis Ababa April 2016:**

➤ **C. Lemmen** represented FIG

Declaration on GIM towards Good Land Governance for the 2030 Agenda (marine , shoreline)

➤ **Rik Wouters** represented UNECE WPLA and presented the joint **FIG/UNECE publication** on Formalizing the Informal

➤ **the 6TH UNGGIM Session NY, August 2016:**

President participated

2030 Agenda: stronger public-private partnerships.
Establishment of UNGGIM **Academic** and **Private Sector Networks**



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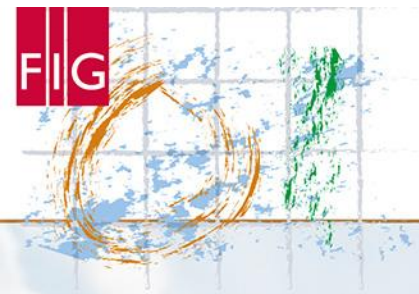


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Other issues discussed included at the **UNGGIM** agenda:

- **EG in LA & the declaration**
- **Global Geodetic Reference Frame Roadmap** and its 5 key elements of action,
- minimum list of fundamental **geospatial data themes**
- provide Member States with options on how best to create robust national **geospatial institutional structures**,
- the implementation and adoption of **Standards** for the global geospatial information community
- the integration of **Statistical and Geospatial Information** in support of evidence -based decision-making across many sectors,
- the development of the **global indicator framework**



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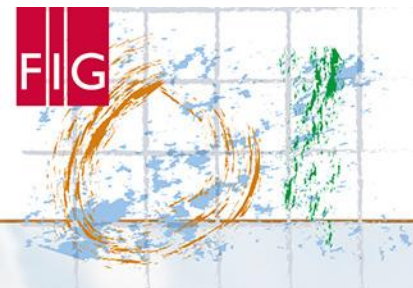


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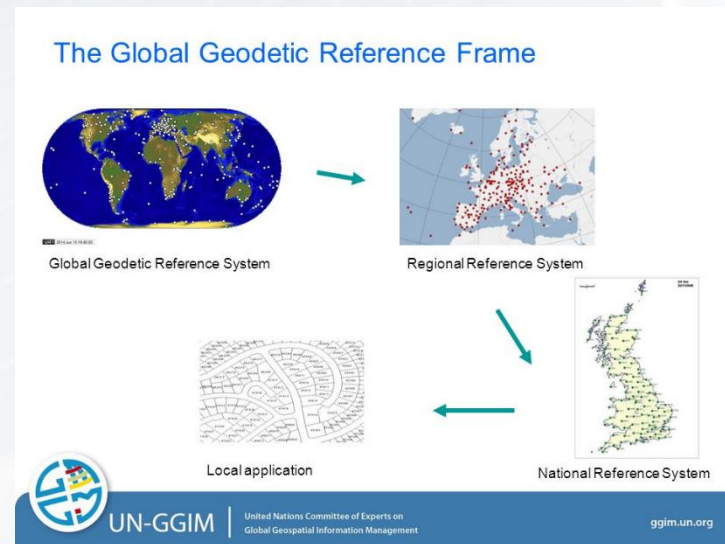
The UNGGIM WG on Geodesy

*prepared the **UN Resolution on the Global Geodetic Reference Frame for Sustainable Development***

FIG VP Lilje is leading the group on Education, Training and Capacity Building

The WG will become a subcommittee on Geodesy within the UNGGIM

five focus groups have been established.



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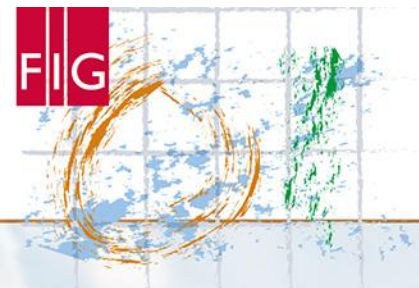


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UNGGIM EG on LA

UN Meeting Expert Group on Land Administration and Management at TU Delft on March 14th and March 15th 2017 hosted by the Government of Netherlands, C Lemmen represented FIG.

topics include:

- *LA tools, ISO19152-LADM, STDM,*
- *OGC Land Administration Domain Working Group and ISO Technical Committee 211 (ISO-TC211)*
- *BIM and the integration of statistical and geospatial information*
- *10 country reports, regional activities, 3d data, the national tenure atlas*

More: http://ggim.un.org/Delft_Meeting.html

*and the **6th Land Administration Domain Workshop** at TU Delft on March 16th and March 17th 2017 in Delft, the Netherlands*



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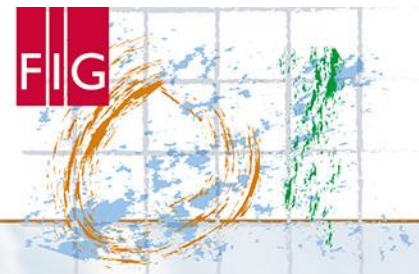


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Joint Board of Geospatial Information Societies

President at: NY (August 2016), Prague meetings (July 2016), Skype meeting

- *Future role & activity of JBGIS*
- *JB 15 years (an association of associations, internal focus); UNGGIM-JBGIS cooperation - higher recognition, external focus, one voice*
- *JBGIS: member of the UN-GGIM Expanded Bureau, provides annual reports*
- *JBGIS Mission Statement needs updating*
- *All JB members should contribute to the development of “indicators” of success of the SDGs,*
- *JBGIS is re-named as **UN-GGIM Geospatial Societies** May2017*
- *Appointment of a new JBGIS Chair*
- *Mutual support for projects and activities with GSDI that will now focus on capacity building*



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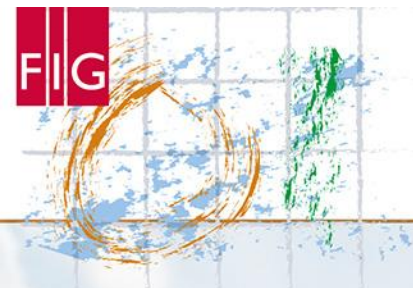


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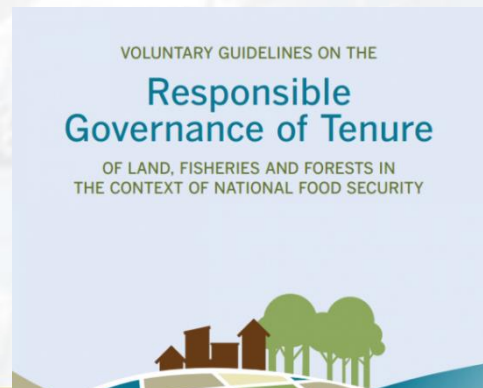
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Collaboration with FAO

- **2016 WW & follow-up: SIDS Seminar & session**, technical session on VGGT implementation, **Christchurch Publication**
- **FIG academic forum and commission 2** are doing excellent work to influence courses;
- **FIG Action Plan for members**: implement VGGT & policy topics; learn from existing experiences; promote VGGT technical guides & participate in reviewing them; establish national multi-stakeholder platforms in all countries; introduce UN-FAO e-learning programs in corresponding curricula
- **land consolidation event in The Netherlands, November 2016**
- **ARN 2016 workshop meeting at Ivory Coast**, **FIG VP DD** delivered VGGT training in Tanzania and ELAN



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The World Bank

*President & VP DD, as well as Com8 &9 Chairs participated in the WB conferences March 2016 & 2017, master classes and strategic sessions
Finnish reception in USA: a networking event*

President:

- *MoU FIG/WB on joint research & conferences in 2016*
- *Met with NSPS in 2016*
- *FIG session, presented papers, chaired TSs (2016 &17)*
- *invited to present FIG pub on Formalizing the Informal at the pre-conference GLTN and Habitat for Humanity peer learning exchange, in 2017*
- *IAB GLTN meeting in 2017*
- *Strategic sessions on FFP , Valuation of unregistered lands, Gender in 2017*



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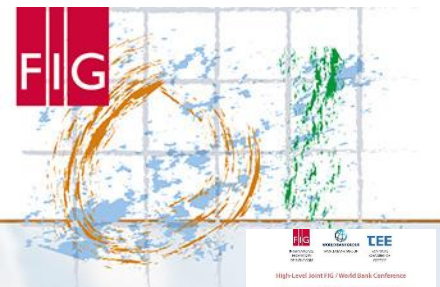


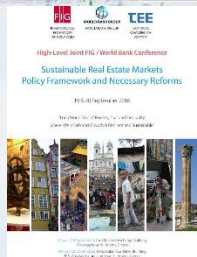
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The World Bank



- **President organized a joint High-Level FIG/WB/TF on Property Markets Conference on “Sustainable Real Estate Markets” conference in Athens, September 2016, more info: http://fig-tfrealstate.ntua.gr/technical_program.htm 2 Greek Ministers, VP Orhan Ercan, TF chair Pekka Halme, WB Global Lead, Land policy & Geospatial Zakout Weil, President of FIABCI**
- **President & Com 9 chair Steven Nystrom work for a joint FIG/WB publication on a method to *quantify the expected benefits of Formalization of Informal Real Estate for a national economy***



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Cooperation with UNECE WPLA

- **President** presented the **Joint FIG/UNECE publication** and her **on-going research** on informal development in the region and on formalization practices; as well as plans for a research on **guidelines for formalization**
- **President participated in the 10th session of the Working Party on Land Administration** and is elected as **UNECE WPLA bureau member** in March 2017 and made a presentation about a future joint research
- **FIG Hon President Enemark** gave a keynote presentation on **FFP Land Administration**
- **New UNECEWPLA president Fredrik Zetterquist** keynote speaker at FIG WW 2017

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE
INTERNATIONAL FEDERATION OF SURVEYORS

Formalizing the Informal
Challenges and Opportunities of Informal Settlements in South-East Europe





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Cooperation with CLGE

- *President participated in the V CLGE Conference of the European Surveyor, on the occasion of the 100 jubilee of IGS*
- *Cooperation in the fields of as IPMS, ILMS (M. Barbieri represents FIG), the Young Surveyors European Network and the Forum of Regional Bodies*



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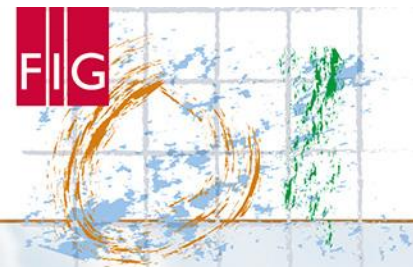


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Cooperation with ISPRS

- *President participated in the XXIII ISPRS Congress in Prague, 2016 and made a presentation*
- *FIG Com3 and Com7 organized a special FIG session*

President also made a presentation at:

- *special session organized by the Austrian Society for Surveying and Geoinformation (OVG) about "Boundaries and Boundary Marks-A UNESCO - World Cultural Heritage?"*
- *The 10th International conference on Mobile Mapping Technology (MMT2017), May 6-8, 2017, hosted by the Arab Academy for Science, Technology, and Maritime Transport (AASTMT), Egypt*



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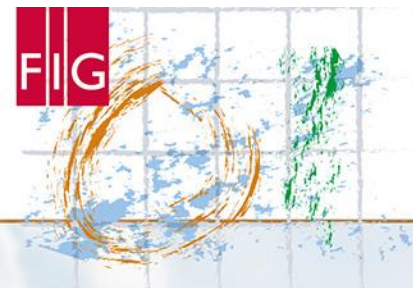


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Participation in other UN activities, events of Member Associations

- **FIG VP M Lilje participated in the Eleventh Meeting of the International Committee on Global Navigation Satellite Systems (ICG), in Sochi, Russia from 7 to 11 November 2016, as the FIG representative to UNOOSA**
- **FIG President & FIG VPs Staiger & Lilje participated in: INTERGEO Hamburg 2016 & met with DVW new President, and P gave a welcome address at the opening ceremony in the beautiful town hall of Hamburg**



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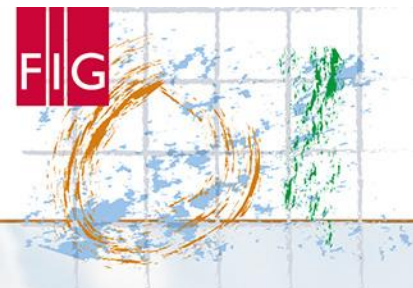


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- **FIG President & FIG VP Dumashie GIM International Summit 2016**
- **Hans Ni (Beijing iSpatial Co., Ltd) represented FIG at the 20th ChinterGEO, November 2016 Suzhou, China: (340 exhibitors, 26000 professional visitors)**
- **FIG Director Louise Friis-Hansen represented FIG at the International Federation of Housing and Planning IFHP's Council Summit 2016 on 2 June 2016.**
- **FIG VP DD participated in the Expert Workshop on Women's Land Rights on 27- 29th November 2016 in Apeldoorn**



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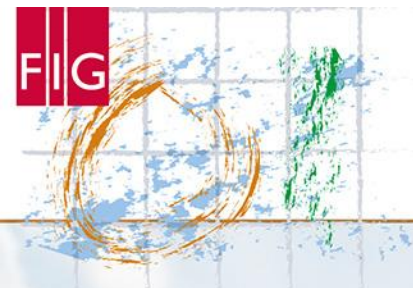


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From digitalisation to augmented reality

President participated in the *Third International Conference of the Order of Surveyors in Lebanon supported by AUS, FGF, MUS, WB, FAO, FIG, in September 2016*

Topics of interest:

- Support the large agricultural land management reform in cooperation with FAO and the World Bank
- Establish the Med Network of Universities in the field of topography



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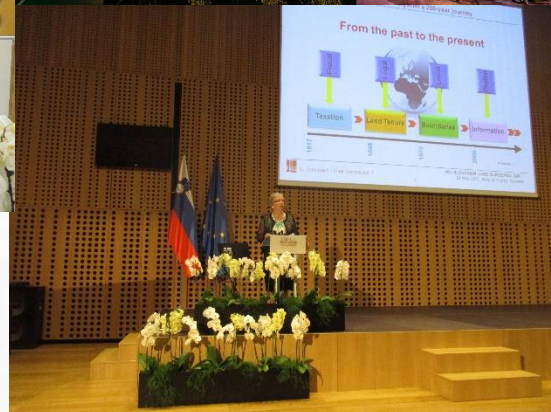
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- **FIG VP Staiger** gave a festal **speech at the gala concert organized by the Association of Surveyors of Slovenia** to celebrate the 60th Volume of *Geodetski vestnik*, the professional journal of the Association
- **FIG Com7 Chair Schennach** represented FIG at the “**The Surveyed Land: 200 Years of The Cadastre in Slovenian Lands**” organized by the **Association of Surveyors of Slovenia** to celebrate the 200-anniversary of the land cadastre and gave a welcome speech & a presentation on cadastre 4.0



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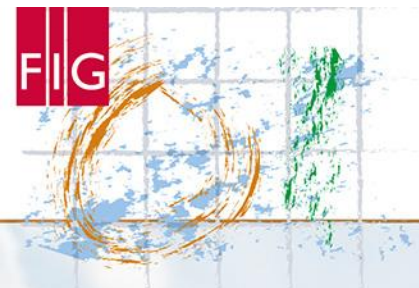


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FIG Commissions, Networks & TFs are the heart of FIG

Com1: Ethics, joint the *International Ethics Standards Coalition*; women in surveying; mutual recognition; international boundaries demarcation

Com2: publication on educating the land professional; **Academic forum/FAO/VGGT**; **UNHABITAT/GLTN**, Guidelines for the Development of Curricula on Land Governance in Africa; Board of the **FIG Foundation**

Com3: successful annual **workshop in Romania**, cooperation with CLGE, EGoS, plans for important publication

President participated in the **Com3 WG3.3 Workshop**: the 11th 3D Geoinfo Conference and the 5th International FIG Workshop on **3D Cadastres** with the Indoor 3D Workshop, in Athens



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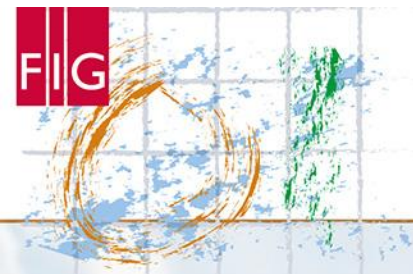


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President participated in:

- **FIG Com3 Annual Meeting and Workshop "From Volume to Quality: Bridging the Gap for Spatial Data Infrastructure"** - joint to EGoS GA and Geomat 2016 "Spatial Information Management for Sustainable Development" - International Symposium organized by Technical University of Iasi in collaboration with Romanian Surveyors Association, 3-6 November 2016, IASI – Romania and made presentations

Com4: cooperation with the IHO; RICS for IPMS; Blue Economy



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Com5:

GGRF and the development and implementation of the roadmap;

Cost Effective Positioning and Geo Data Seminar, 20th April 2017, Novosibirsk, Russia (> 60 participants) ;

Special Session FIG Commission 5 Session on "Trends in GNSS" at Intergeo 2017, 26-28 September 2017 in Berlin, Germany

Com6: "Symposium on engineering geodesy, 20-22.05.2016. in Varazdin, Croatia".



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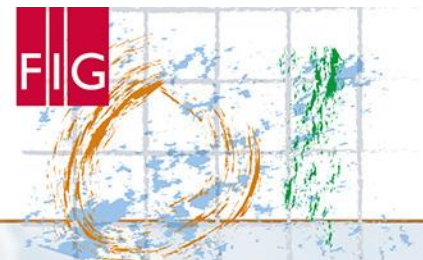


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Com7:

President participated in:

- 2016 Com7 annual meeting & two-days Geo conference on **"Cadastre 4.0 - Transparency-Participation-Collaboration"** organized together with the "Ordem dos Engenheiros (OE)" and made a presentation
- Com7 and Com 8 participated in the **Land Consolidation Workshop** in the Netherlands



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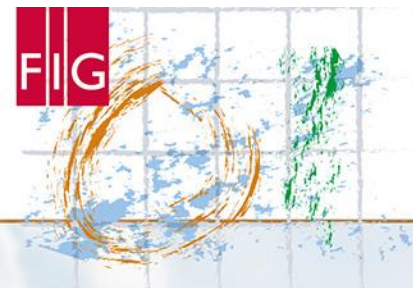


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Com9: GLTN on Valuation, LADM, WB, TF on Property Markets, the initiative about the Blockchain

Com10: Pre-WW Workshop entitled “BIM for Surveyors” ; development of the quantity Surveyor profession; the contribution for the final draft of ICMS , which was completed at the end of October 2016; the Chair of Com10 See Lian Ong represents FIG at the ICMS Coalition, who has been appointed as chair of the Standard Setting Committee.

The work of the **Networks** and the **Task Forces**

The work of the **FIG Foundation**

Member Associations

Academic members-peer review

Affiliate Members

Corporate Members

Permanent institutions

They all contribute and work voluntarily for FIG, they all deserve our congratulations



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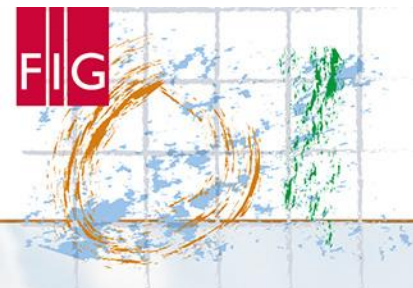


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President participated in:

- *TF on Property Markets meeting in Bucharest*
- *Kosovo Cadastral Agency for the study on Informal Development*
- *Policy Department of the EU Parliament for a presentation on a research about land expropriations in 3 selected EU countries & met with Jan de Graeve, director of IHS&M*



Order of the Crown



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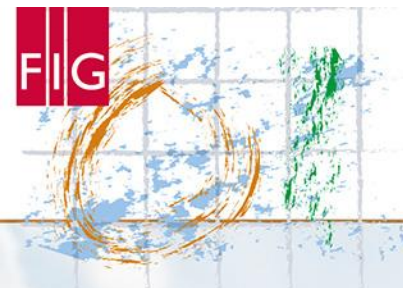


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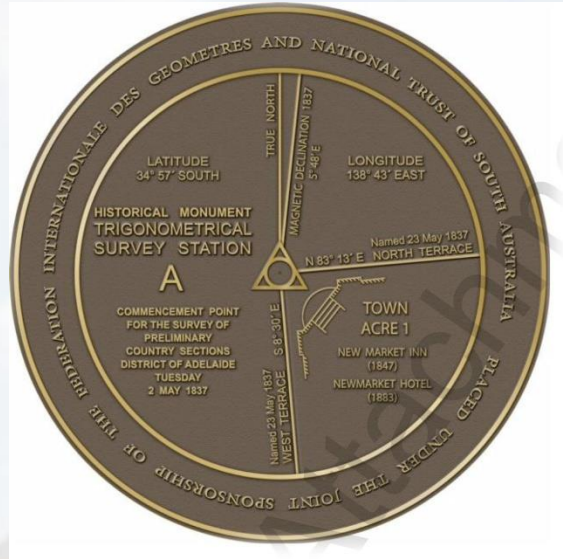
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Jan de Graeve: reported that the City Council of Adelaide, Australia, has voted to place a bronze plaque in Commemoration of the 180th Anniversary of the commencement of Light's District of Adelaide, at the first point of the Trigonometrical (Trig) Survey, in the footpath in the location of Trig Station A on the corner of North Terrace and West Terrace, in Adelaide.

Our congratulations to Jan and the work of IHS&M



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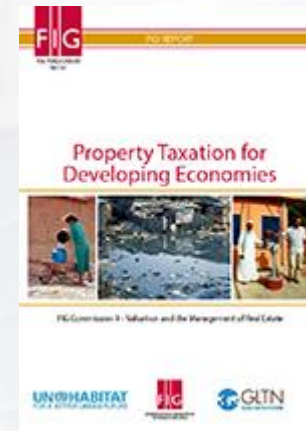
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*The FIG Christchurch Declaration
Responding to Climate Change and Tenure Insecurity in Small
Island Developing States
The Role of Land Professionals*

Property Taxation for Developing Economies

*FIT-FOR-PURPOSE
LAND ADMINISTRATION
GUIDING PRINCIPLES FOR COUNTRY
IMPLEMENTATION*

*The Social Tenure Domain Model: English, Arabic,
French, Japanese*



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