

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



# **International Federation of Surveyors**

## **General Assembly**

### **MINUTES AND APPENDICES**

**02 and 06 May 2016**

**Horncastle Arena and Addington Raceway**

**Christchurch, New Zealand**

**INTERNATIONAL FEDERATION OF SURVEYORS****FIG 39<sup>th</sup> GENERAL ASSEMBLY  
02 and 06 May 2016  
Horncastle Arena (HA) - Christchurch, New Zealand****FIG 39<sup>th</sup> GENERAL ASSEMBLY****List of Minutes Items****Monday, 02 May, 09:00-12:30 and 13:30-16:00**

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# FIG 39<sup>th</sup> GENERAL ASSEMBLY

## MINUTES

for the meetings held on Monday 02 May 2016 and on Friday 06 May 2016 in Hall 3 at the  
Horncastle Arena, Christchurch, New Zealand

### MONDAY, 02 MAY

**Monday, 02 May, 09:00-12:30 and 13:30-16:00**  
**Conference Hall – Horncastle Arena**  
**General Assembly, First Session**

#### 1. OPENING PROCEEDINGS

President Chryssy Potsiou opened the 39th General Assembly by welcoming all delegates to Christchurch, New Zealand and the second General Assembly during this four-year term. The President expressed her gratitude to members and delegates for their participation and acknowledged the hard work of NZIS and the local organising committee to ensure that this Working Week could take place at the Horncastle Arena knowing the rebuilding projects that takes place all over the city. The President mentioned that she was aware that some had had difficulties getting visa to New Zealand, and appreciated those who had managed to come.

The President welcomed Honorary Presidents Bob Foster, Stig Enemark and Teo CheeHai to the meeting and noted several greetings and apologies that were received from member associations and other members.

The President informed that unfortunately, two vice presidents, Pengfei Cheng and Bruno Razza, were not able to attend the Working Week. Both send their greetings and apologies to the General Assembly.

#### 2. ROLL CALL

Vice President Rudolf Staiger took the roll call. The roll call was done for member associations only. Recorded that only member associations that have paid all their membership fees to the end of 2015 were allowed to vote at the meeting. A list of member associations that were not allowed to vote was published and posted on the FIG web site 12 April 2016.

**Appendix to items 2 & 22:** Roll Call including information on member associations that were not allowed to vote at the General Assembly because of unpaid membership fees for 2015, as updated on 2 and on 6 May 2016.

50 member associations out of 103 were present at this session, which is more than one third of the membership needed for the General Assembly to be constitutionally valid.

**Motion:** That those 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 for the entire General Assembly. The tellers will represent the member association hosting the current (NZIS), President Mark Allen and the host of the proceeding General Assembly (MIL/MAKLI, Finland) Martti Pietikainen.

**Motion:** That the General Assembly appoints President Mark Allen from NZIS and Martti Pietikainen from MIL/MAKLI as tellers for this General Assembly.

**Decision:** The motion was adopted

### 4. ADOPTION OF THE AGENDA

The Agenda for the General Assembly was issued as mandated, two months prior the General Assembly on the FIG web site and also sent digitally and by post to all members.

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

**Decision:** The motion was adopted.

### 5. ADOPTION OF THE MINUTES OF THE 38<sup>th</sup> GENERAL ASSEMBLY

Minutes have been circulated previously.

**Appendix to item 5:** Minutes of the General Assembly in Sofia, Bulgaria, May 2015, without appendices.

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

**Decision:** The motion was adopted.

### 6. MEMBERSHIP

#### 6.1. Admittance of new Member Associations

FIG Council has received the following applications for member association since the 38<sup>th</sup> General Assembly.

##### 6.1.1. Géographie, Topographie, Hydraulique, Energie et Construction (GEOTHECO) Uganda MA-10127

Géographie, Topographie, Hydraulique, Energie et Construction (GEOTHECO), Uganda has applied for association membership. The association was established in 2008. Their total membership (all categories) is 42. Géographie, Topographie, Hydraulique, Energie et Construction (GEOTHECO) fulfills the criteria of FIG Member association. Application form is attached as appendix to agenda item 6.1.1

**Appendix to item 6.1.1:** Membership application from Géographie, Topographie, Hydraulique, Energie et Construction (GEOTHECO), Uganda

**Motion:** That the General Assembly admits Géographie, Topographie, Hydraulique, Energie et Construction (GEOTHECO), Uganda to become a member association of FIG.

**Decision:** The motion was adopted.

#### 6.1.2. The South African Geomatics Institute, SAGI-South Africa MA-10128

The South African Geomatics Institute, SAGI, South Africa has applied for membership. The association was established in 2004. Their total membership (all categories) is 570. SAGI fulfills the criteria of FIG Member association. There is already a member association from South Africa, and they have approved the application of SAGI.

Appendix to item 6.1.2:

- Membership application from The South African Geomatics Institute, SAGI, South Africa
- Letter of approval from PLATO

**Motion:** That the General Assembly admits The South African Geomatics Institute, SAGI, South Africa to become a member association of FIG.

**Decision:** The motion was adopted and the FIG President gave Peter Newmarch, President of SAGI the membership certificate.

## **6.2. Other Member Association Issues**

#### 6.2.1. Reinstallation of Federación Argentina de Agrimensores (FADA) Argentina, MA-10002

FADA was unfortunately expelled at the General Assembly in 2014 due to lack of payment. FADA has announced that they would like to return to FIG and has agreed to pay old arrears together with the 2016 membership fee. FIG Council has decided to reinstall FADA and to bring this decision forward to the General Assembly.

**Motion:** That the General Assembly admits to reinstall Federación Argentina de Agrimensores (FADA) Argentina as member association.

**Decision/Action:** The motion was adopted.

#### 6.2.2. Termination - College of Engineers and Surveyors of Puerto Rico (MA-10069)

The College of Engineers and Surveyors of Puerto Rico (MA-10069) has regrettably decided to resign from FIG. FIG Council is thankful that the College of Engineers and Surveyors of Puerto Rico has cleared all arrears and there are no outstanding dues. FIG thanks the

association for all the work they have done throughout the years they have been member FIG looks forward to a time where they will find it fit to rejoin our global community.

**Motion:** That the General Assembly notes the resignation of the College of Engineers and Surveyors of Puerto Rico.

**Decision:** The motion was adopted.

#### 6.2.3. Termination - The Irish Institution of Surveyors, (Ma-10042)

The Irish Institution of Surveyors has regrettably decided to resign from FIG, since they have merged with RICS, UK and will be represented through RICS from now on.

**Motion:** That the General Assembly notes the resignation of The Irish Institution of Surveyors

**Decision:** The motion was adopted.

#### 6.2.4. Reinstallation of National Order of Cameroon Surveyors (NOCS) MA-10015

FIG General Assembly had to expel National Order of Cameroon Surveyors (NOCS) in 2014 due to lack of payments. Now, FIG Office has received full payments from previous years and for 2016, and FIG council has decided to forward to General Assembly that the association will be restored.

**Motion:** That the General Assembly restores National Order of Cameroon Surveyors (NOCS).

**Decision/Action:** The motion was adopted.

### 6.3. Expulsion of member associations

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

- Croatian Geodetic Society, Croatia (MA-10020)
- Fiji Institute of Surveyors, Fiji (MA-10028)
- Licensed Surveyors Association in Palestine, Palestina (MA-10065)
- Cadastral Surveyors Association Liberia (MA-10119)

The General Assembly has power 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 information 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 the above member associations in Christchurch.

FIG Council has discussed the situation for the Licenced Surveyors Association in Palestine and deem that Licensed Surveyors Association in Palestine, Palestina to have suspended status taking their current situation into consideration.

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

- Croatian Geodetic Society, Croatia (MA-10020)
- Fiji Institute of Surveyors, Fiji (MA-10028) (are trying to pay)
- Cadastral Surveyors Association Liberia (MA-10119)

If no payment has been received before the General Assembly takes place.

And that the General Assembly notes the decision of FIG Council that the Licensed Surveyors Association in Palestine, Palestina (MA-10065) will be registered under suspension status for the year 2016.

**Decision/Action:** The motion was adopted.

It was noted that Croatian Geodetic Society, Croatia and Fiji Institute of Surveyors, Fiji paid their arrears during the week and their membership was restored at the second session of the General Assembly.

With the reinstatements, admissions and expulsions, the number of member associations is 105 from 91 countries.

#### **6.4. Suspended status 2016**

In accordance with its administrative measures, FIG Council, has decided to continue to defer for 2016 the issuance of a membership subscription invoice to the Order of Syrian Engineers and Architects, OSEA as all efforts to maintain contact with them has not yielded results, will deem their membership in suspension giving due consideration to its internal situation. As reported in the General Assembly 2015, there remain existing sanctions on Iran, but this might change during 2016. The FIG office in Denmark cannot for the time being receive payments from Iranian Professional Society of Surveying Engineers (ISS). Ukrainian Society of Geodesy and Cartography has also gained suspended status and has not been invoiced for 2016. Again in accordance with its administrative measures, FIG Council deem their membership to be in suspension. The situation with these associations will be reconsidered by Council again in 2017.

**Motion:** That the General Assembly notes the members with suspension status.

**Decision:** The motion was adopted.

#### **6.5. Other membership issues**

##### **6.5.1. Affiliate members**

The Council has admitted the following national agencies to become affiliate members:

- a) Survey and Land Registration Bureau, Kingdom of Bahrain (AF-20056)
- b) Cadastral Agency of Bulgaria, Bulgaria (AF-20058)
- c) The State Land Service of Latvia (AF-20057)

- d) LINZ – Land Information New Zealand (AF-20059)
- e) National Mapping and Resource Information Authority, NAMIRA, Philippines (AF-20060)
- f) State corporation Government for Citizens- Astana Kazakhstan (AF-20061)

Reinstallation:

- g) Dubai Municipality (AF-20032) – has returned as member of FIG and paid all arrears.

The council has expelled the following affiliate members because of unpaid membership subscriptions:

- a) ANZLIC, Australia (AF-20001)
- b) National Land Centre in the Ministry of Natural Resources, Rwanda (AF-20016)
- c) Alcaldía Mayor de Bogotá D.C., Colombia (AF-20046)

After these changes the number of Affiliate members is 49 from 46 countries.

#### 6.5.2. Corporate members

- a) ISQ Portugal (CM-30051, Category F) has resigned
- b) COWI, Denmark ((CM 30011) has changed their membership to Category D.
- c) CM-30060 Beijing Spatial Corporation (category E)
- d) CM-30061 GeoReference, Engineering Consultants Saudi Arabia (category F)

After these changes the number of corporate members is now 24.

#### 6.5.3. Academic members

FIG Council has admitted the following University to become Academic member:

- a) Ghent University Belgium (AC-40141)
- b) University West, Department of Engineering, Sweden (AC-40142)
- c) Papua New Guinea University of Technology (AC-40143)
- d) Polytechnic of Namibia, Department of Land and Property Sciences (AC-40144)
- e) University of Oradea – Faculty Of Construction, Cadastre And Architecture, Romania AC-40145

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

- a) University of Botswana (AC-40010)
- b) University of Mines and Technology, Ghana (AC-40030)
- c) Universiti Teknologi Malaysia, Malaysia (AC-40041)
- d) Agricultural University of Cracow, Poland (AC-40054)
- e) University of Puerto Rico, Mayagüez Campus, Puerto Rico (AC-40055)
- f) Kingston University School of Surveying, United Kingdom (AC-40073)
- g) University of Prishtina Department of Geodesy, Kosovo (AC-40116)

The number of Academic Members after these changes is 92 from 55 countries.

#### 6.5.4. Correspondents

The number of correspondents is unchanged from 2015, and amounts to one from Tonga.

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

**Decision:** The motion was adopted. Membership certificates were handed out to the new members that were present, and the rest will be sent to the member by post.

### 7. PRESIDENT'S REPORT

President Chryssy Potsiou has prepared the President's report on the activities of the Federation since the General Assembly in Sofia, Bulgaria in May 2015.

**Appendix to item 7:** Handouts of the president's presentation.

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

**Decision:** The motion was adopted.

### 8. COUNCIL RESPONSES FROM GENERAL ASSEMBLY 2015

Minutes from FIG Member Association Forum 2015 were presented at the second General Assembly in Sofia, 21 May 2015. The following proposals were presented to the FIG Council. FIG Council promised to get back to the General Assembly 2016 with a follow up and status on these issues.

*Council response is shown in italics.*

#### 1. Global Surveyors Day

- 1.1. Establishment of a Global Surveyors Day, and that there will be a GA decision in New Zealand.

*FIG Council responded to this last year already. In principle FIG council endorses the idea, but the national associations should be the driver. FIG can provide a Web communication platform where national associations can exchange ideas. FIG can encourage the national associations to do some kind of happening, but cannot initiate the ideas. FIG Council has decided that FIG will not set a specific date and there will not be a General Assembly decision in Christchurch. Unfortunately FIG does not have people to carry this task through. If FIG sets a date there will be expectations that FIG will also do some kind of action.*

- 1.2. Celebrations to be dedicated to a Surveyor of the Year and a topic from the broad field of surveying activities. Address to history group to suggest topics, and surveyors who may support the organisation of the events.

*FIG Council has decided not to initiate a proposal of a Surveyor of the Year. The idea is good, but again, if this is initiated there will also be expectations that there will be some action which will be difficult throughout a year. FIG can distribute information.*

#### 2. Improvements in the established relations between the member states

- 2.1. Short information for every member association on FIG web site  
*This proposal is being implemented. In 2015, membership updates could be done electronically by the member and a text about the association included. All members are encouraged to submit a text. In the second half of 2016 the member association information will be available of FIG.*
- 2.2. Link from FIG web site to the national web site  
*This feature has existed for many years on the web site. If a link is missing members are encouraged to contact FIG Office.*
- 2.3. Template information in all FIG languages  
*It is decided and included in the Statutes and Internal Rules that the FIG language is English. It will not be possible for FIG to translate the information from national associations into other languages. FIG information (from web site) is already translated into various languages, and if a national member can formally translate the FIG information to another language, FIG Office will be happy to upload this on the FIG web site. FIG also encourages the national associations to include information about FIG in their national language on their national web site to spread out the information about FIG to as many as possible.*
3. Changes and improvements in the management of FIG
  - 3.1. Visibility of the benefits of FIG Membership for the membership of national associations  
*FIG Council will work on making the benefits of being a member more visible. There are many benefits for a national association – some are fairly easy to describe, but many are intangible and difficult to measure. A first step could be for the national associations to include more information about FIG on their national web sites (as mentioned in 2).*
  - 3.2. FIG should provide support for countries with little experience in certain survey practices. Professional support and guidelines are needed for the developing countries and countries in crisis  
*FIG is an umbrella organisation, and is not working on a consultancy basis. It is not possible for FIG to engage in single cases, nor provide direct professional support, but FIG works on general principles that can be used by many, e.g. through the FIG Publications. There are no single solutions applicable to all, therefore it is not possible to use FIG brand to approve certain solutions. FIG has been approached several times for professional support, but we cannot do this as a NGO. FIG provides a good network of experts.  
It is possible for members to get involved in the FIG technical commissions and through this channel get/provide information and get involved in the compilation of publications, etc. Therefore we should encourage members (and potential members) to participate in the work that is taking place in FIG especially through the commissions. It is also possible to use the LinkedIn forum (or facebook) to ask questions and receive replies.*

#### **Appendix to item 8:** Minutes from the FIG Member Association Forum 2015

**Motion:** That FIG General Assembly notes the update and records its thanks to the participants of the Member Association Forum 2015 for their active role in FIG and constructive proposals.

**Decision/Action:** The motion was adopted.

## 9. REPORTS FROM FIG COMMISSIONS

Each Commission Chair has submitted a written report on their Commission activities since the FIG Working Week in Sofia. These reports include progress reports of the Commission working groups. Each Commission will hold a meeting during the Working Week (Wednesday 4 May, 17:30-18:30). Each Commission gave a short report on Commission activities to the General Assembly apart from Commission 8, as the Chair of Commission 8 was unfortunately not able to come to Christchurch.

There were comments from delegates on commission 10 in relation to BIM (Building Information Management), and how the commissions can cooperate on this theme since it is inter-disciplinary, and BIM will have a large impact in the following years. Another question was about how much the commissions cooperate with other professional groups.

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

- Commission 1
- Commission 2
- Commission 3
- Commission 4
- Commission 5
- Commission 6
- Commission 7
- Commission 8
- Commission 9
- Commission 10

**Motion:** That the General Assembly adopts the reports of the Commission Chairs and records its thanks to the chairs and other officers of the Commissions for their ongoing contributions.

**Decision:** The motion was adopted.

## 10. REPORTS FROM FIG NETWORKS

Each Network Chair has submitted a written report on their Network activities since the FIG Working Week in Sofia. The Chairs of the Regional Capacity Network and Young Surveyors Network gave a short oral report on the Network activities to the General Assembly.

**Appendices to item 10:** Network reports and handouts:

- 10.1 Standards Network
- 10.2 Regional Capacity Network
- 10.3 Young Surveyors Network

**Motion:** That the General Assembly adopts the reports of the Network Chairs and records its thanks to the chairs and other officers of the Networks for their ongoing contributions.

**Decision:** The motion was adopted.

## **11. REPORTS FROM THE DIRECTORS OF PERMANENT INSTITUTIONS 2015-2016**

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

Dr. Christiaan Lemmen, Director of OICRF has prepared a report on the OICRF activities since the General Assembly in Kuala Lumpur. He made a short report to 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.
- Handouts

**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:** The motion was adopted.

### **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 Sofia. Unfortunately, the Chair, Jan de Graeve, was not able to attend. He and other members of IIHSM have attended FIG for almost 40 years each which is certainly an achievement for which the President thanked the active participants of IIHSM. John Brock, IIHSM, made a short report to 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:** The motion was adopted.

## **12. REPORT OF THE PRESIDENT OF THE FIG FOUNDATION 2015-2016**

Mr. John Hohol, President of the FIG Foundation has prepared a report on the FIG Foundation activities from June 2014 to March 2016. He made a short report to the General Assembly. In this report he noted that this year is now the 7<sup>th</sup> time that Trimble supports the Foundation Dinner by a large contribution to the Foundation.

**Appendix to item 12:** Report of the FIG Foundation activities 2015-2016 and Result 2015 and handouts.

**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 to Trimble for the continued cooperation and support.

**Decision:** The motion was adopted.

### **13. REPORTS FROM THE FIG TASK FORCES (2015-2016)**

FIG has currently four Task Forces.

#### **13.1. Task Force on Real Property Markets**

The Task Force assesses the progress of establishing the real property markets in the countries with economies in transition. The Task Force is chaired by Pekka Halme, Finnish Association of Geodetic and Land Surveyors MIL. A session on Real Property Markets will take place during this Working Week.

**Appendix to item 13.1** – Status Report from the Task Force. Handouts.

**Motion:** That the General Assembly adopts the report from the Task Force and records its thanks to the Chair of the Task Forces and their members.

**Decision:** The motion was adopted.

#### **13.2. Task Force on Corporate Members**

The Task Force is established to strengthen the FIG relationship with corporate members. The Task Force is chaired by John Hohol, National Society of Professional Surveyors (NSPS) in cooperation with Bryn Fosburgh, Vice President of Trimble.

**Appendix to item 13.2** – Status Report from the Task Force. Handouts.

**Motion:** That the General Assembly adopts the report from the Task Force and records its thanks to the Chair of the Task Forces and their members.

**Decision:** The motion was adopted.

#### **13.3. Task Force on Scientific Journal**

The Task Force is established to investigate the usefulness and need and if justified, the steps forward in order to introduce an FIG peer review Journal (electronic or printed). The Task Force is chaired by Yerach Doytsher, Association of Licensed Surveyors in Israel (ALSI). Council expects a final proposal to be presented and adopted at the General Assembly 2017. A special session is included in the technical programme at the WW2016 where the FIG Scientific Journal will be discussed.

Comments from delegates – *noted in italics:*

- *whether there is a need for a FIG Journal*
- *FIG covers too many topics for one journal*
- *several commissions already have a cooperation with a relevant journal*

- *difficult to start a journal, and especially to get it recognised, you start at the bottom.*
- *Scopus indexation can take a long time*

### Appendix to item 13.3 – Status Report from the Task Force

**Motion:** That the General Assembly adopts the report from the Task Force, notes the proposed session and time line and records its thanks to the Chair of the Task Force and its members.

**Decision:** The motion was adopted.

#### 13.4. Task Force on Commission Structure

The Task Force assesses the Commissions and investigates if there is a need to revise their structure and to provide a proposal on possible improvements. The Task Force is chaired by Mikael Lilje, Swedish professionals for the built environment, Samhällsbyggarna.

At the General Assembly under this agenda item there was a possibility for discussion of the proposal.

During the conference days of the Working Week Members of FIG will furthermore have a possibility to discuss the proposal in more details with the Task Force at:

- Lunch meeting on **Wednesday 4 May** grab your lunch bag and attend at Concourse Room, HA)
- The Member Association Forum on **Thursday 5 May** 11:00-12:30

A summary of the comments received during the first General Assembly session and these meetings will be presented at the 2<sup>nd</sup> General Assembly session together with a proposal on how to take the Task Force forward.

FIG President presented four possible options:

1	discussion paper (including minor edits) agreed	voting in GA 2017 Finland	call for nominations sept 17 (new structure)
2	Proposal with variation	voting in GA 2017 Finland	call for nominations sept 17 (new structure)
3	review continues until Istanbul 2018	voting for structure in Istanbul 2018	call for nominations sept 2016 for current structure for the next term 2019-22, and in 19/20 call for nominations for chairs elects within the existing/new structure.
4	review stopped/close the task force	current structure continues	call for nominations for 10 commission chairs elects in September 2016

Comments from delegates – *noted in italics*:

- *Concern that the proposal is not based on a thorough analysis of the need for a change*
- *The Task Force jumps too fast to a conclusion. More documentation on the proposed structure is required*
- *The current structure provides a home for all surveyors and includes the whole range of issues*
- *Changes must be considered carefully (a) to be inclusive and cover all aspects of surveying, (b) to be inclusive and provide space/official posts for those associations who wish to be active, (c) to be inclusive and cover all regions*
- *Recommends Council to consider carefully and give time to the members to discuss*
- *We are not in a hurry*
- *If few large commissions it will be too much for a commission chair to chair all parts of it*
- *Need to discuss the whole structure and not only the structure of the commissions*
- *Do not leave out commission 9 and 10. Real estate and construction are important areas for surveyors. FIG is an inclusive federation and should remain so.*
- *There is also the option to elect 10 commission chairs (within the current structure) in 2017.*

Council noted the comments and reminded the delegates to attend the lunch meeting where further discussion is possible.

Council furthermore invited to further discussions at regional level such as at the Workshop on Sustainable Real Estate Markets Policy Framework & Necessary Reforms in Athens, Greece and at Intergeo, October in Germany, in connection with the Africa Network meeting in November 2016, in the Asia region and if there are other possibilities in other areas.

#### **Appendix to item 13.4**

- Report from the Task Force.
- Handouts.
- Council proposal of options.

**Motion:** That the General Assembly

- records the report from the Task Force and records its thanks to the Chair of the Task Forces and their members
- records the organised meetings and possibilities for discussions
- records the proposed working and time schedule for the Task Force

**Decision:** The motion was adopted and the General Assembly proposed that the President will supervise and ensure the further communication, participation and engagement of Member Associations into discussions in order to facilitate the compilation of an improved version of the proposal to be submitted in time for a new decision (either adoption or further modification) during the next Working Week.

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

Since the 38th General Assembly, FIG has continued to collaborate with the World Bank and various agencies and structures within the United Nations. The collaboration within 2015/16 was reported by the FIG President under item 7, Presidents report.

**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 2015 was held in August 2015. FIG has collaborative MoUs with a number of the organizations who are part of JB-GIS.

FIG has further bilateral agreements of co-operation with several other international associations like ISM, IFHP, CIB, ION, ICEC, FIABCI, IFHS, PAIGH and PAQS.

FIG is represented in the International Construction Measurement Standard Coalition (ICMS) by Chair of FIG Commission 10, See Lian Ong who has been appointed chair of the Standard Setting Committee. FIG is represented in the Trustee Board by the President.

FIG is represented in International Land Measurement Standard Coalition (ILMS) by Mr. Maurice Barbieri.

FIG Council has furthermore decided to join the International Ethics Standard Committee Coalition.

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

The collaboration within 2015/16 was reported by the FIG President under item 7, Presidents report.

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

**Decision:** The motion was adopted.

## **16. FIG ACCOUNTS FOR 2015, AUDITOR'S REPORT AND BUDGETS 2016-2019**

Vice President Rudolf Staiger presented the report to the General Assembly. The report includes the auditors report from 2015, official accounts (income statement 2015) and balance sheet 31 December 2015, a summary of 2015 accounts, an updated budget for 2016 and proposals for budgets 2017-2019 and proposal for membership fees for member associations in 2018.

**Appendix to item 16:** Report on Financial Issues (including 2015 accounts and budgets 2016-2019). Handouts.

Annexes:

- **16A** Auditor's Report, Income Statement for 2015 and Balance Sheet at 31 December 2015.
- **16B** FIG Result 2015
- **16C** FIG Budgets 2016-2019
- **16D** List of member associations whose membership fees are in arrears for 2015 and earlier and that are not allowed to vote (roll call).

**Motion:** That the General Assembly

- adopts the audited accounts for 2014,
- adopts the Finance Report, and
- adopts budgets for 2015–2018

**Decision:** The motion was adopted.

## 17. SUBSCRIPTION RATES FOR 2017 AND 2018

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. The membership fee structure was changed in 2009. Membership fees have been discussed as part of the finance report, **appendix to item 16**.

The 2015 General Assembly approved membership fees for 2017 as follows under the condition that Council would re-consider at the end of 2016 whether it would be responsible too keep the fee stable.

Year	Per capita fee	Minimum fee	Maximum fee
2017	€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://data.worldbank.org/about/country-classifications/country-and-lending-groups>

The 2017 subscription fees were kept at the same level as for the years 2012-2015.

Although the budget 2017 shows a deficit and 2018 only a small surplus, Council is also conscious of the economic condition that members are operating under and in particular member's challenges with their national membership and budgets. Council wishes to respect this as well and both Council and FIG Office will continue to be prudent in its financial management. Council therefore proposed after reconsidering that the level of subscription for

member associations for 2017 and also for 2018 to remain at the same level as in the previous years. Council has initiated a Task Force to work on how to attract corporate members and the hope is to increase the fees received by corporate members to limit the deficit or turn it into a positive result. The current Memorandum of Understanding with Chinese Society for Surveying, Mapping and Geoinformation, CSSMG on Internships to the FIG office is another way to provide support to FIG. Vice President Staiger took the possibility in his presentation to thank CSSMG very much for this contribution.

Vice President Staiger commented during his presentation of the financial report that member associations should be prepared for an increase of fees for 2019.

**Motion:** That the General Assembly adopts following membership fees payable by member associations in 2017 and 2018:

Year	Per capita fee	Minimum fee	Maximum fee
2017 and 2018	€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.

## 18. ELECTION OF TWO VICE PRESIDENTS FOR 2017-2020 – PRESENTATION OF CANDIDATES

The FIG Council has received four proposals for the two open posts of FIG Vice President:

- Yerach Doytsher, Association of Licensed Surveyors in Israel
- Orhan Ercan, Chamber of Surveying and Cadastre Engineers of Turkey
- Sunil Laloo, Institute of Surveyors of Trinidad and Tobago
- Mikael Lilje, Swedish professionals for the built environment

The profile templates of each candidate are attached. Each candidate had 10 minutes to introduce himself and make a presentation focussing on his/her ideas and goals for developing the FIG agenda to the General Assembly. Sunil Laloo was unfortunately not present and there was no presentation of him.

The elections will take place at the second session of the General Assembly by blind votes on Friday 06 May. The elections 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 24: Profiles of the candidates

- Yerach Doytsher, Association of Licensed Surveyors in Israel
- Orhan Ercan, Chamber of Surveying and Cadastre Engineers of Turkey

- Sunil Lalloo, Institute of Surveyors of Trinidad and Tobago
- Mikael Lilje, Swedish professionals for the built environment

**Motion:** That the General Assembly notes the presentations of the candidates, makes its careful consideration at the elections during the second session of the General Assembly on the 06 May.

**Decision:** The motion was adopted.

## **19. POSTPONEMENT OF ELECTION OF COMMISSION CHAIRS ELECT FOR 2017-2018**

The General Assembly will normally elect a Chair Elect for each of the ten FIG Commissions for term of office 1.1.2017-31.12.2018. Under regular circumstances the elected Chair Elect will be elected as the Chair of the Commission at the FIG Congress 2018 for the period 2019-2022.

The General Assembly in 2015 appointed a Task Force to evaluate the current Commission structure and consider if any changes are needed. The recommendations of the Task Force on the Commission Structure and the decision of the General Assembly may or may not affect the number of commissions. Based on this on-going work, respectfully FIG Council has decided to postpone the election of Chair Elect for the 10 Commissions until the new structure has been settled or the current structure confirmed by the General Assembly. Voting for the period 2019 to 2022, for either structure scenario will take place in 2018 at the latest.

**Motion:** That the General Assembly notes the decision by FIG Council and adopts the proposed time frame.

**Decision:** The motion was adopted.

## **20. DECISION ON THE VENUE FOR FIG WORKING WEEK 2020 – PRESENTATION OF CANDIDATES**

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

The FIG Council has received two bids to host the FIG Working Week 2020, and FIG Council thanks all bidding member associations for their special engagement and contribution to FIG.

The Council has prepared a desktop summary on the bids. In the summary report the following considerations, as laid out in the invitation documentation, are described for comparison:

1. Rotation of the conferences (region);
2. Country (hosting of earlier FIG events, experience);

3. Member association (its activeness, commitment to FIG and to the Working Week, execution ability for local association);
4. Supporting organisations (local support to the Working Week, governmental support, financial support, general support);
5. Host city (characteristics and interest from congress programme point of view, host city attractiveness, host city offerings);
6. Venue (price/affordability, location of venue, internet availability suitability of rooms, size of venue, structure and layout of the venue, catering, value for money, hotels nearby facilities for exhibition);
7. Accessibility (flight connections, several access possibilities, security, visa issues, air fare to destination);
8. Safety and security (political stability, airport safety, city safety, political stability in the country - rating must be 3 or higher);
9. Proposed dates (must meet FIG requirements, Following FIG statutes, practical dates, availability of venue, other conferences at the same time)
10. Technical programme (coverage of all FIG Commissions, potential partners, originality, special ideas);
11. Technical tours (coverage of all FIG Commissions, originality, ideas proposed);
12. Social programme (attractiveness and variety, proposals for dinners, attractiveness of offered dinners, proposals for tours, is the programme following the overall FIG concept);
13. Attendance (expectation of international, regional and local attendance, realistic number of international and national participants);
14. Finances (estimate of surplus and financial risks, realistic fees proposed, fees in an acceptable price range, difference between international and national fees, realistic budget, estimated revenue);
15. Sponsorship (estimate sponsorship and exhibition income, proposed income, how realistic is proposed income, local sponsor offerings, sponsor interest to conference);
16. Why host (reason for hosting);
17. Objectives and outcomes (thought through why conference should be held at destination, difference to other destinations, short term outcome, long term outcome);
18. Suggested theme (thought of possible theme that fits to local/regional situation);
19. Events organised in the past three years (how experienced is the host in organising events)
20. Major events planned in the proposed city (many events might affect the price level):
21. Initiatives for sustainable conference environment (is host city, venue and local host paying attention to environmental issues);
22. New initiatives or activities (originality – but within the overall FIG concept)
23. What legacy to leave locally from the Working Week (with host, hosting city, for the surveying community)

The summary report will not give a recommendation or a preference to any candidate but it will provide useful information on each items listed above and summarise the pros and cons of each candidate to assist the member association in making their decision. The General Assembly must note that the issue of security and financial viability has come to the fore. The purpose of the evaluation process is to maintain the continued viability, high standard and quality of the FIG Working Week.

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

- a) Amsterdam, Netherlands, Geo-Information Netherlands

b) Interlaken, Switzerland, geosuisse

The General Assembly was recommended to read the summaries and the bids carefully.

**Appendix to item 20 and 28:**

- Summary Reports on the Bids for FIG 2020 Working Week
- Bidding documents for FIG 2020 Working Week:
  - a) Amsterdam, Netherlands, Geo-Information Netherlands
  - b) Interlaken, Switzerland, geosuisse

At the first session each candidate had 10 minutes to make a presentation of their proposal and framework of the Working Week and their bid.

Decision on the venue of FIG 2020 Working Week will be made at the second session of the General Assembly on 06 May. The voting will be made by blind votes.

**Motion:** That the General Assembly notes the submission, the summary report, and the presentations, makes its careful consideration and decision during the second session of the General Assembly on 06 May.

**Decision:** The motion was adopted.

**FRIDAY 06 MAY 2016**  
**Friday, 06 May, 08:30-10:30,**  
**Exhibition Hall, Horncastle Arena,**  
**Christchurch, New Zealand**

**21. FIG PRESIDENT'S MEETING (by invitation only)**

The Presidents meeting was attended by 41 member associations, and in total 60 persons.

**Friday, 06 May, 11:00–12:30 and 13:30-15:00**  
**Plenary Hall,**  
**Horncastle Arena, Christchurch, New Zealand**  
**General Assembly, Second Session and Closing Ceremony**

**22. ROLL CALL**

Vice President Rudolf Staiger took the roll call. The roll call was done for member associations only.

At the second General Assembly 53 Member Associations were present out of 105 representing 68 votes for the Vice Presidents. Later two more Associations arrived, in total 55 associations, and the total votes for the destination for the Working Week 2020 was 70 votes. Together with observers around 250 persons participated in the General Assembly. Canadian Institute of Geomatics (1 vote) was unfortunately wrongly listed as not allowed to vote, although they had paid their arrears on 20 April.

**Appendix to items 2 & 22:** Roll Call including information about member associations that are not allowed to vote at the General Assembly because of unpaid membership fees for 2015 and earlier.

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

**Decision:** The motion was adopted.

## **23. MEMBERSHIP**

The Council informed the General Assembly that Croatian Geodetic Society, Croatia (MA-10020) and Fiji Institute of Surveyors, Fiji (MA-10028) have paid their arrears after the first session of the General Assembly and their membership have been restored. President of CGS, name, gave a recently published book on Boskovic to FIG President Potsiou and NZIS President Mark Allen.

The Council informed that FIG Affiliate Member ANZLIC, Australia, has back in 2013 sent a letter to FIG Office in which they announce that they would like to terminate their membership within FIG. This has not been noted nor recorded until now, and ANZLIC will be recorded as terminated in stead of expelled.

With the latest amendments the number of Member Associations is 105 from 91 countries.

**Motion:** That the General Assembly notes the updates on the Membership.

**Decision:** The motion was adopted.

## **24. ELECTION OF TWO FIG VICE PRESIDENTS FOR 2017-2020**

This General Assembly elected two Vice Presidents for the term of office 1.1.2017-31.12.2020.

Since the first General Assembly on 2 May 2016, Sunil Laloo, Institute of Surveyors of Trinidad and Tobago has unfortunately decided to withdraw his bid due to the fact that he did not manage to come to the Working Week 2016 because of extensive work load.

This means that there remain three candidates for the two positions.

The election took place between:

- Yerach Doytsher, Association of Licensed Surveyors in Israel
- Orhan Ercan, Chamber of Surveying and Cadastre Engineers of Turkey
- Mikael Lilje, Swedish professionals for the built environment

The elections took place by blind votes following the FIG statutes and internal rules. The elections took place one position at a time.

In the first round Yerach Doytsher got 19 votes, Orhan Ercan 16 votes and Mikael Lilje 33 votes. There were no invalid votes. Total votes were 68. The second vote was then arranged between Yerach Doytsher and Mikael Lilje.

In the second round Yerach Doytsher got 20 votes and Mikael Lilje 48 votes. There were no invalid votes. Total votes were 68.

For the second position the vote was then arranged between Yerach Doytsher and Orhan Ercan.

In the vote for the second position Yerach Doytsher got 32 votes and Orhan Ercan 36 votes. There were no invalid votes. Total votes were 68.

**Motion:** This General Assembly elects two Vice Presidents for the term 2017-2020.

**Decision:** The General Assembly elected Mr Mikael Lilje and Mr Orhan Ercan as Vice Presidents for the term 2017-2020 after they got the majority of the votes in the elections. FIG President Potsiou thanked all candidates for their contributions and willingness to serve FIG.

## **25. REPORTS FROM COMMISSIONS, NETWORKS, PERMANENT INSTITUTIONS, FIG FOUNDATION AND OTHER WORKING WEEK ACTIVITIES**

FIG Vice President Diane Dumashie reported back on ACCO and Commission activities throughout the Working Week.

Diane Dumashie reported back that she in the capacity as Chair of the Regional Capacity Building Network had a meeting with Rob Sarib in order to start a Regional Capacity Network in the Asia/Pacific area.

FIG Foundation reported back to the General Assembly on the donations received in connection with the Working Week, hereunder from the Young Surveyors Charity Run.

Appendix: Report from:

- FIG Commissions
- FIG Foundation
- Regional Capacity Development Network
- Young Surveyors Network

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

**Decision:** The motion was adopted.

## **26. FIG TASK FORCES**

The four Task Forces had meetings during the Working Week. There were reports back from three of the Task Forces:

### **26.2. FIG Corporate Members**

John Hohol reported back from the corporate members meeting on Task Force activities.

- Hand outs

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

**Decision:** the motion was adopted.

### **26.3. Scientific Journal**

Yerach Doytsher reported back from the Task Force meeting.

- Hand outs

**Motion:** That the General Assembly: records the report, endorses results from the meeting and endorses suggested time schedules and action items for the future work of the Task Forces.

**Decision:** The motion was adopted

### **26.4. Commission Structure**

Mikael Lilje reported back on the meetings that were held on Commission Structure. Council presented a response and proposal for the next steps, also listed in item 13.4.

**Appendices:** Report, Council response

**Motion:** That the General Assembly:

- records the reports
- endorses results from the meetings
- endorses suggested time schedules and action items for the future work of the Task Forces

**Decision:** The motion was adopted.

## **27. REPORTS FROM ASSOCIATION, AFFILIATE, ACADEMIC AND CORPORATE MEMBERS FORUM (IF ANY)**

During the Working Week there were Member Association Forum, the Director General's/Affiliate Members Forum, Academic Members Forum and Corporate Members Meeting.

Brent Jones, ESRI, reported back on the corporate members meeting incl an evaluation of the Working Week 2016

Appendix: Handouts

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

**Decision:** The motion was adopted.

## **28. DECISION ON THE VENUE FOR 2020 FIG WORKING WEEK**

Candidates for FIG 2020 Working Week have made their presentations in the first session of the General Assembly and FIG Council has presented its evaluation. The decision will be made between:

- Amsterdam, Netherlands, Geo-Information Netherlands
- Interlaken, Switzerland, geosuisse

The decision took place by blind votes following the FIG statutes and internal rules.

In the voting Amsterdam, Netherlands got 41 votes and Interlaken, Switzerland 29 votes. There were no invalid votes. Total votes were 70.

**Motion:** This General Assembly decides the host and venue for FIG 2020 Working Week.

**Decision:** The General Assembly decided that the FIG Working Week 2020 will be hosted jointly by Geo-Information Netherlands and FIG and will take place in Amsterdam, Netherlands.

## **29. OTHER ISSUES**

Ms Claire Galpin raised the issues on migration, refugees and migrants, and whether FIG can do anything on this matter. Currently this is especially relevant for the Mediterranean area. FIG President Potsiou informed that this was discussed in the Director General Forum and furthermore that FIG Council will discuss this issue in order to find out what role FIG may have.

**Motion:** That the discussion will be recorded and the Council will consider action that will be required.

**Decision:** The motion was adopted.

## **30. REPORT ON THE FIG WORKING WEEK 2019 IN HANOI, VIETNAM**

Mr Co, Co-conference Director and Chair of the Local Organising Committee from the Vietnam Association of Geodesy - Cartography - Remote Sensing gave a presentation on preparations of FIG Working Week 2019. The Working Week will be held 22-26 April 2019.

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

**Decision:** The motion was adopted.

## **31. REPORT ON THE FIG CONGRESS 2018 IN ISTANBUL, TURKEY**

Co-congress director Orhan Ercan from the Chamber of Surveying Cadastre Engineers of Turkey gave a presentation on the preparations of FIG Congress 2018. The Congress will take place 6-11 May 2018. The web site is live: [www.fig.net/fig2018](http://www.fig.net/fig2018) and will constantly be updated.

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

**Decision:**

## **32. REPORT ON THE FIG WORKING WEEK 2017 IN HELSINKI, FINLAND**

Co-conference director Pekka Halme, MIL and MAKLI, gave a presentation on the preparations of FIG Working Week 2017. The Working Week will take place on 29 May – 2 June 2017 with the overall theme “Surveying the World of Tomorrow – From Digitalisation to Augmented Reality. The Call for Papers and the online submission form for papers will soon be opened. Conference web site: [www.fig.net/fig2017](http://www.fig.net/fig2017)

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

**Decision:** The motion was adopted.

### **33. PRESENTATION OF CERTIFICATES OF APPRECIATION AND CLOSING CEREMONY**

FIG President Potsiou thanked FIG members and participants of the General Assembly. President Potsiou presented at the closing ceremony certificates of appreciation to the members of the local organising committee of the XXXIX FIG General Assembly and the FIG Working Week 2016. Special thanks were recorded to New Zealand Institute of Surveyors, NZIS and its President Mark Allen, and Co-Conference Director Simon Ironside. FIG president also gave Mr David Mitchell a certificate of appreciation for his outstanding work on the SIDS Workshop.

At the closing ceremony the FIG banner was handed over by Mr Mark Allen, President of NZIS and Mr. Simon Ironside, Co-Conference Director to Mr. Pekka Halme, Co-Conference Director of FIG Working Week 2017, President Martti Pietikainen, MAKLI and Paavo Häikiö, MIL. The FIG Working Week 2017 will be held in Helsinki, Finland, 29 May – 2 June 2017.

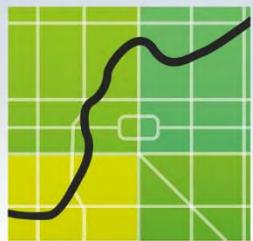
President Chryssy Potsiou presented her closing address that summarises the finding and the main outcomes of the FIG Working Week 2016. The President formally closed the 39th General Assembly of FIG Working Week 2016 with the FIG Fanfare.

**Appendix:** Handouts of the President’s Closing Address

# *President's Report to the General Assembly*

*Prof Chryssy A Potsiou*

*FIG President*



# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

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## A Relationship of Trust

### Our Objectives:

- Contribution to the 2030 Sustainable Development Agenda
- Sustainable Development of our Profession

### Our Response:

- Development of FIG Strategy
- Collaboration with:
  - International Organizations
  - Regional & Sister Associations
  - Our members at local level-visits-events
  - Commissions-Task Forces-Networks



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## Collaboration with International Organizations

### UN HABITAT Global Land Tools Network

- *President Potsiou, VP Dumashie and Com 7 Chair Schennach in Nairobi on 14-16.04. 2015*
- *Agreement FIG / GLTN cooperation: 0.3 2015 – 06. 2016*
- *Visit to Mashimoni: implementation of STDM*
- *VP Dumashie participated in the 6th Partners' Meeting and the IAB (GLTN), 3 - 6 .11. 2015*
- *FIG was elected as the lead of the professional cluster*
- *President Potsiou participated in the IAB meeting, Washington DC, 19 .03. 2016*
- *Professional cluster Work Plan is under development*
- *GLTN /WB/ Kadaster Guide for fit for purpose (FFP) LA*
- *FIG Commission 9 publication on Property Taxation for Developing Economies*

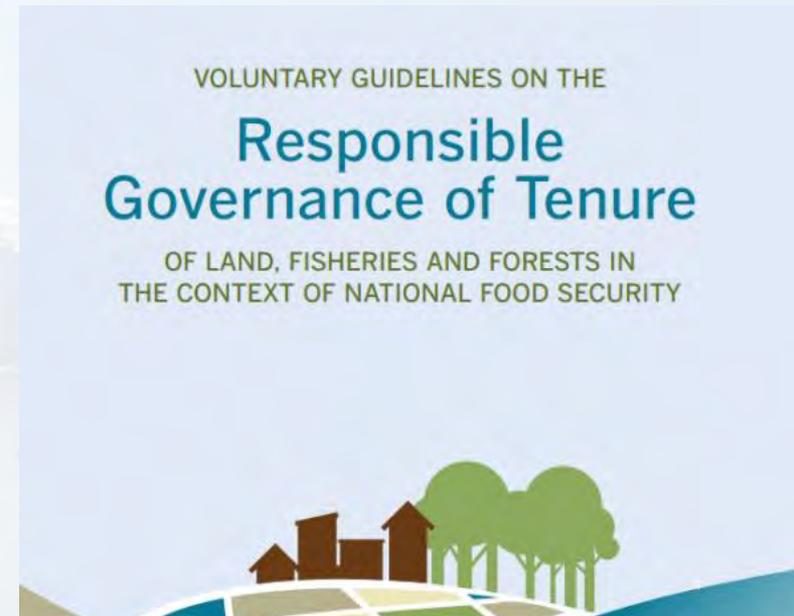




## Collaboration with International Organizations

### FAO

- 1. Letter of Agreement FAO / FIG for provision of support of three joint FAO/FIG sessions with core emphasis on supporting the application of the VGGT, in the Context of National Food Security during the FIGWW 2016 : SIDS Seminar & follow-up session, technical session on VGGT implementation*
- 2. Land consolidation event in The Netherlands, November 2016.*





## Collaboration with International Organizations

### UN-GGIM

- *On Feb 2015 The UN GA adopted the UN resolution on Global Geodetic Reference Frame for Sustainable Development that was initiated by the Republic of Fiji. This Resolution is an outcome of UN GGIM/FIG cooperation*
- *5th Session UN-GGIM, NY, 3-7 August 2015*
- *UN Expert Group on Land Administration and Management chair: Kees de Zeeuw (Netherlands), co-chair: Mahashe Chaka, Lesotho*
- *4th High-Level Forum on Global Geospatial Information Management, Addis Ababa 20-22 of April 2016. FIG representative: Chrit Lemmen. A declaration on FFP Land Administration was agreed there.*





## Collaboration with International Organizations

### The World Bank

1. *FIG President participated in the WB conference March, 2015. A side event-expert group meeting to evaluate the FIG work plan was organised*
2. *President Potsiou and VP Dumashie participated in the Conference of the World Bank March, 2016*
3. *Master class on “making FFP LA work”, a joint OGC / WB / FIG /UN side event. Focal person: C. Lemmen*





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

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## Collaboration with International Organizations

### The World Bank

4. *FIG TF on Property Markets presented papers*
5. *The updating of the FIG/WB MoU was signed by FIG President and WB senior Director. Focal person: Daniel Roberge*
6. *Joint FIG/WB conference on “Sustainable Property Markets-Policy Framework and Necessary Reforms”, Athens, Greece, 19-20 September 2016.  
organization of GLTN valuation meeting, Sounio, Greece, 15-16 September 2016*

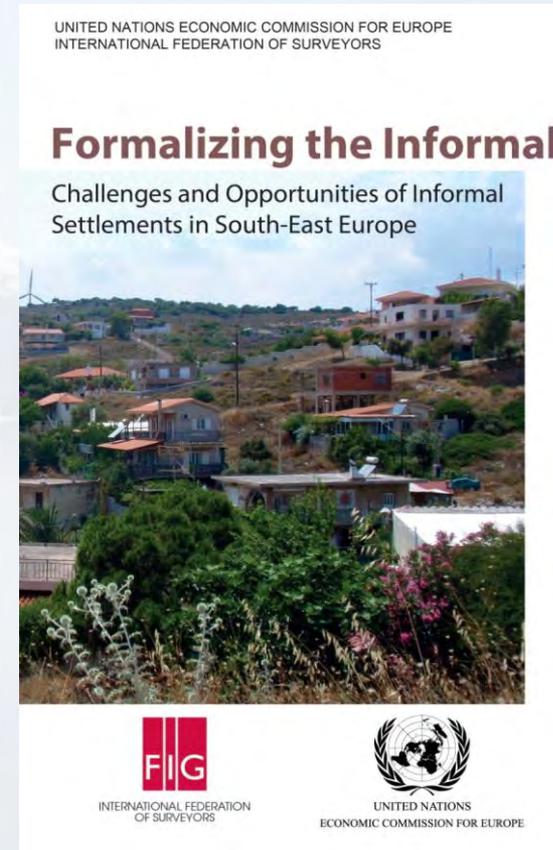




## Collaboration with International Organizations

### UN ECE

- *Compilation of joint research (FIG Task Force on Property & Housing and UNECE WPLA) on the problem of informal development in the UNECE region*
- *A joint FIG/UNECE publication was accomplished titled: Formalizing the Informal: Challenges and Opportunities of Informal Settlements in South-East Europe*
- *lead author is FIG President Chryssy Potsiou*





## Collaboration with International Organizations

### ICMS, IPMS and ILMS

- *In June 2015, the ICMS(International Construction Measurement Standard) Coalition Declaration was signed by 17 institutions/organisations*
- *FIG Commission 10 chair See Lian Ong signed the Declaration on behalf of FIG*
- *ICMS focuses on the lack of global standards in construction measurement and reporting and the administration of ICMS and protocols, such as the governance model, standard-setting process, implementation, and communications*



*Maurice Barbieri (CLGE) and FIG Vice President Rudolf Staiger (as his representative) represent FIG in ILMS/IPMS (land, property). A kick-off the ILMS meeting is being organized in Rome, hosted by the FAO, on 9th and 10th of June 2016*

**Purpose of these standards: to minimize the risk of cross boarder investment**



## Successful FIG regional representation

- *On the occasion of the successful FIG Commission 5 Workshop on Vertical Reference Frames in Practice, in Singapore in conjunction with the 13th South East Asian Survey Congress , in July 2015, the idea of establishing a regional capacity network for Asia/Pacific was proposed to FIG council by the FIG President to be chaired by Rob Sarib (this proposal is under discussion during the WW 2016 **within the FIG Regional Capacity Network**)*
- *FIG Commission 7 Chair Gerda Schennach has represented FIG at the CLGE General Assembly in Tirana, March 2016, and at the Conference of the Moroccan national association , Oct 2015.*
- *FIG Commission 2 Chair Liza Groenendijk has represented FIG Council at the successful Joint FIG Commission 2 and 7 Workshop on "The Role of Land Professionals and SDI in Disaster Risk Reduction: In the Context of Post 2015 Nepal Earthquake" on 25-27 November 2015 in Kathmandu, Nepal.*



## Collaboration with Sister Associations

- *FIG President participated in the 16th Annual Meeting of the Joint Board of Geospatial Information Societies held in New York, on the 3rd of August 2015*
- *Chrit Lemmen represented FIG at the following JB meeting held in Addis Ababa in April 2016*
- *FIG President met with ISPRS President and board members. FIG is invited to organize a session at the ISPRS Congress 2016 in Prague. Focal person: Yerach Doytsher*
- *ELRA and FIABCI have agreed to provide cooperation with the TF on Property Markets*
- *A meeting with the **regional associations** is organized during the WW 2016*



## Collaboration with Member Associations & Corporate Members

*FIG President met with FIG member Associations in the occasion of events:*

- *The Turkish Association, April 2015, the Bulgarian Associations, May 2015*
- *All 7 FIG Russian members, June 2015*
- *All FIG members of Israel: the Israeli Association of Licensed Surveyors (ALSI), the SOI, the Sivan Design and the Technion University, September 2015*
- *DVW, Sept 2015*
- *AUS, UMG, Egyptian Association, Oct 2015, The Danish Association, Nov 2015*
- *The Associations of Malta and Italy, Nov 2015*
- *The Lebanese order of surveyors in Jan 2016,*
- *the GIM board, in Feb 2016,*
- *the Kosova Association , Nov 2015*
- *The French Association and the American NSPS, March 2016*



# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

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## WG 1.1 International Ethics Standards

- **Gary Strong**
- **Round Table on Ethics**
- **TS03F**
- **Wednesday 11:00- -12:30**
- **Christian Cullen Room**
- **Addington Raceway, level 1**





## WG 1.2 Women in Surveying

- **Robyn McCutcheon**



- **Winnie Shiu**



- **Women in Surveying Breakfast**
- **Wednesday 7:00 – 8:30**
- **Concourse Room, Horncastle Arena**



## WG 1.3 International Boundary Settlement and Demarcation

- **Assoc Prof Don Grant**
- **Seeking members to join him in the WG**
- **The aim is to build on the work of Hiam Srabo**





## WG 1.4 Form on Engagement with Private Practice

- **Malcolm McCoy**
  - with assistance from **Bob Foster**
- **TS05F**
- **Wednesday 16:00 – 17:30**
- **Christian Cullen Room**
- **Addington Raceway, level 1**





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## WG 1.5 Forum on Mutual Recognition

- **Kate Fairlie**
- **TS0F**
- **Tuesday 16:00 – 17:30**
- **Christian Cullen Lounge 3, Level 1**
- **Addington Raceway**





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

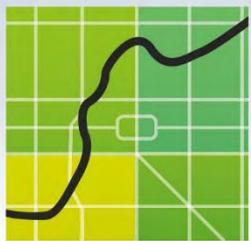
from disaster

**Chair - Brian Coutts / Vice Chair Administration – Winnie Shiu**



# FIG Commission 2

*Liza Groenendijk*



# FIG Working Week 2016

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## Working Groups

WG 2.1 – Towards educating the land professional

WG 2.2 – Innovative learning and teaching

WG 2.3 – Demand for and supply of Professional Education

WG 2.4 - Accreditation and Quality Assurance

## Cross FIG

- Young Surveyors Network
- Academic Members Forum
- Cooperation with Commission 7



# FIG Working Week 2016

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## Focus areas 2015 - 2018

1. Becoming an active Commission
2. Professional education world-wide
3. The chain of professional surveying education
4. Towards educating the land professional

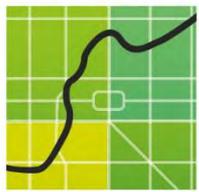


## Highlights 2015

- Kathmandu, Nepal, FIG Commission 2 – ISPRS Commission IV, International Workshop on the Role of Land Professionals and SDI in Disaster Risk Reduction in the context of Post 2015 Nepal Earthquake, 25-27<sup>th</sup> November 2015



- Joint International Geo-information Conference 2015, 28 to 30 October in Kuala Lumpur, Malaysia, FIG Commission 2 session on Geomatic Education



# FIG Working Week 2016

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## Upcoming 2016/2017

### Events

- INTERGEO 2017, Berlin
- EALAN Workshop 2017, Nairobi

### Publication

- Surveying education taking into account new roles and challenges for the surveyor
- Link to other core areas within FIG
- Involvement FAO and GLTN
- Involvement Commission 7 and other Commissions
- Prepare plan and work distribution



## JOIN US

- Technical session TS02G, Enhancing Surveying Education,
  - Tuesday 3<sup>rd</sup> of May, 16.00 – 17.30 h
- Technical session TS05G, Teaching and Learning for the Future
  - Wednesday 4<sup>th</sup> of May, 16.00 – 17.30 h
- Academic Members Forum, together with FAO on the VGGT
  - Thursday 5<sup>th</sup> of May, 14.00 – 15.30
- **Commission 2 meeting and diner afterwards**
  - **Wednesday 4<sup>th</sup> of May, 17.30 – 18.30**



# FIG Commission 3

# Spatial Information Management

Chair: Enrico Rispoli



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## Organization and Working Groups of Commission 3:

### Administration:

Vice Chair: Maria Grazia Scorza, Italy

Working Group 3.1 - SIM Infrastructure

- Chair: Hartmut Mueller, Germany

Working Group 3.2 – Technical Aspects of SIM

- Chair: Ioannidis Charalabos, Greece

Working Group 3.3 – 3D Cadaster (Joint Working Group with Commission 7)

- Chair: Peter Van Oosterom, The Netherlands

Working Group 3.4 – Crowdsourcing and VGI supporting SDI

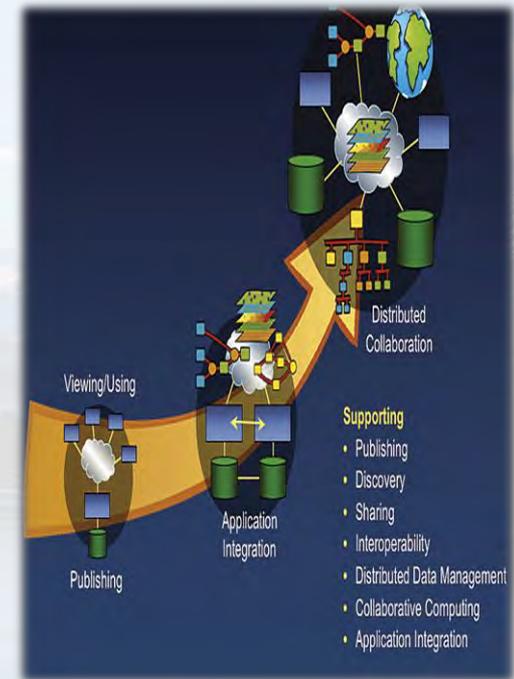
- Chair: Sagi Daylot, Israel



## Commission 3 - Overview

### Work Plan outline

- the FIG Commission's 3 work confirmed good results on the diffusion of importance of spatial data collection and management in relation to an extraordinary progress of technology covering both software and hardware;
- **spatial information: facilitates sustainable governance;**
- **update and compare with each other in real-time geographic and economic and statistical data.**





## Work Plan outline

Within the technical sessions we have:

- constant participation of the academic, scientific and professional world
- presentations focus on: the widespread general use of the institutional GIS and the possibility of integration through data from Crowdsourcing;
- importance of the SIM for land monitoring and for the prevention of the causes of disasters;



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## Work Plan outline

### Guidelines to reach the objectives:

- Strategic Adjustment to the development of technology and applications;
- Indication of solutions to make spatial information accessible, available, and above all reliable;
- Definition of requirements for the acquisition and maintenance of public and private information;
- The quality control data.



## Outreach- 2015/16

- **Commission 3 Annual Meeting during the FIG WW in Sofia in May 2015;**
- **The Annual FIG Commission 3 Conference and Workshop (in conjunction with Commission 7) last November in Malta with a total of more than 80 participants representing 26 Countries; 3 days event with 6 technical sessions, 5 joint sessions, more than 20 authors and 2 keynote speakers;**
- **CLGE General Assembly in Tirana last March: presentation of the activities of Commission 3.**



## Visibility

Commission 3 during the new year want to focus on the new item on:

- “bridging the gap for spatial data infrastructure - From volume to quality”;
- a policy to promote the standardization of the preservation of information and its easy usability;



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## Cross FIG Working

### Cooperation with:

- FIG Commission 7;
- Young Surveyor Network;
- Fao;
- UN-Habitat;
- UNESCO.



## Upcoming- 2016/17

### Events this year – where and when:

- **Single Market Forum – Reforming Regulation of Professions in Europe: 18<sup>th</sup> May 2016, Bruxelles;**
- **Citizen Observatories for Water Management – COWM 2016: 7<sup>th</sup>-10<sup>th</sup> June 2016, Venice;**
- **International land Measurements Standard Coalition and FAO, 9<sup>th</sup> and 10<sup>th</sup> June 2016, Roma;**
- **The Annual FIG Commission 3 Conference and Workshop, October or November 2016, venue tbd: 2 proposals: Lisbon (Portugal) or Iasi (Romania)**

# FIG Commission 3 - Spatial Information Management

Chair: Enrico Rispoli

I am looking forward to meeting you

# Thank you for your attention



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## **FIG COMMISSION 4 - HYDROGRAPHY REPORT**

**BY**

**Surv. Mrs. Angela Etuonovbe LSM,  
Chair: Commission 4 - FIG  
Nigerian Institution of Surveyors**



## Meet the Team of Commission 4



- **Chair:** Angela Etuonovbe MNIS (Nigeria)
- **Administration and Communications:** Gordon Johnston, MRICS (UK)
- **Working Group 4.1 – Standards and Guidelines for Hydrography:** Simon Ironside (New Zealand)
- **Working Group 4.2 – Maritime and Marine Spatial Information Management:** Dr. Jonathan Li (Canada)
- **Working Group 4.3 – Blue Economy:** Gordon Johnston, MRICS (UK)



## Outreach- 2015/16

- The Commission participated in The 5th International Conference on Earth Observation for Global Changes (EOGC 2015) and the 7th International Conference on Geo-information Technologies for Natural Disaster Management (GiT4NDM 2015), Al-Ain, UAE, 8-10 December 2015.
- **Blue Economy** : Lot of activities and collaborations notable
  - **Atlantic Seabed Mapping Group**
    - Of particular interest to FIG members and Young Surveyors is the possibility to join a number of these Atlantic cruises to gain further experience of multibeam surveying in deep sea ocean environments.
  - **CLGE Marine Cadastre Initiative:**
    - This European initiative aims to develop a paper that assesses and promote the benefits of a formal Marine Cadastre for the development and benefit of the coastal and regional communities.



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## Commission Activities

- The Director General, National Boundary Commission, Abuja
- The Governor of Katsina State Rt. Hon Aminu Bello Masari, CFR,
- The Minister of State, Ministry of Environment.





## Commission Activities

- FIG Commission 4, IHO and ICA were the organisers of the IBSC Stakeholder Seminar on Training and Education in Hydrography and Nautical Cartography that took place 23-25 November, 2015, Cape Town, South Africa.
- In response to IHO Circular Letter 07/2016 of 10 February 2016, which invited comments on the first draft edition of S-5A - Standards of Competence for Category “A” Hydrographic Surveyors, a review of the draft Standard has recently been undertaken by WG 4.1 members and Submission made.



# FIG Working Week 2016

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## During This Working week

- **A session of the Blue Economy will be held on Wednesday 4th May, from 11-12.30 at the Silk room. We expect to share that moment with you as you will be in attendance.**
- **Hydrographic Surveying and Power : Wed. 4th May 2:00 -3:30 pm**
- **Maritime and Marine Spatial Information Management : Wed. 4:00 - 5:30 pm.**
- **Hydrography for Society and Disaster management Thursday 5 May 2:00-3:30**
- **New and Emerging Technologies in Hydrography Thursday 5 May 4:00-5:30**
- **Commissions' meeting Wed. 5:30 – 6:30 pm and Dinner – Tickets Available.**



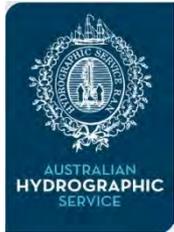
# FIG Working Week 2016

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## Specific Company/Persons Taking Great Strides



Surv. Akhigbe K. Ireneo



Surv. Mansur Kabir  
Surveyor General of Katsina State



Alabo C. D. Charles



Surv. Ebi Awudu MNI

Women-In-Surveying, Nigeria.  
Facilitated by the National  
Coordinator. Surv. Mrs Charity  
Olla



Iterlen Industrial  
Services Limited

Surv. Peter Akarogbe

Association of Private Practicing  
Surveyors Nigeria,  
Delta State Branch. Facilitated by  
the Chairman Surv. O.T. Dabiri

Platinum Partners:

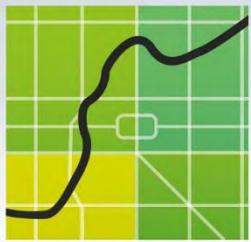
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## Future Events

- **Canadian Hydrographic Conference, May 2016. Halifax. Canada**
- **Oceanographic Survey Vessels 2016, June 7-9, 2016, London, United Kingdom**
- **12th International Conference on Hydroinformatics: Smart Water for the Future Incheon, South Korea Conference August 21-25, 2016**
- **FIG WORKING WEEK 29 May - 2 June 2017, Helsinki, Finland**
- **Ocean Business 4 - 6 April 2017, Southampton UK**



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# FIG Working Week 2016

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## Chair Commission 5 Positioning and Measurement Volker Schwieger



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## Overview – Working Groups

- WG 5.1 Standards, Quality Assurance and Calibration (*David Martin, France*)
- WG 5.2: 3D Reference Frame (*Nic Donnelly, New Zealand*)
- WG 5.3: Vertical Reference Frames (*Kevin Kelly, USA; Dan Roman, USA*)
- WG 5.4: GNSS (*Neil Weston, USA; Suelynn Choy, Australia*)
- WG 5.5: Multi-Sensor-Systems (*Allison Kealy, Australia; Günther Retscher, Austria*)
- WG 5.6: Cost-effective Positioning (*Leonid A. Lipatnikov, Russia*)
- Vice-Chair of administration: Li Zhang, Germany



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## Outreach 2015/16

- **Technical Seminar on Vertical Reference Frames in Practice**
- **Singapore, 27-28 July 2015**
- **FIG Commission 5, International Association of Geodesy (IAG), the International Committee on GNSS (ICG), the United Nations Initiative for Global Geospatial Information Management for Asia-Pacific (UN-GGIM-AP) and the Singapore Land Authority (SLA).**
- **Thank you: Nic Donnelly, Richard Loo, etc.**





## Outreach 2015/16

- **Technical Seminar on Vertical Reference Frames in Practice**
- **Singapore, 27-28 July 2015**

The seminar focussed on the theory and practice of vertical reference frames. Topics covered included:

- Introduction to Vertical Reference Frames
- Time Dependence and Transformations
- Airborne Gravity Data Collection and Analysis
- International GNSS Service
- Vertical Deformation
- GNSS Heighting
- Case Studies
  - Australia
  - Hong Kong
  - Japan
  - New Zealand
  - Singapore





## Outreach 2015/16

- FIG COMMISSION 5 TECHNICAL SEMINAR ON REFERENCE FRAMES IN PRACTICE –  
REFERENCE FRAMES, DATUM UNIFICATION AND KINEMATICS
- 1-2 May 2016 at Rydges Latimer, Christchurch, New Zealand

### Sessions:

- Introduction to 3D reference frames / datums
- Introduction to vertical reference frames / datums
- Using deformation models
- Relationships between global and local datums
- Datum unification
- Case studies of national and global datums from around the world
- Tools for geodetic computations
- Future reference frames

More than 50 participants !



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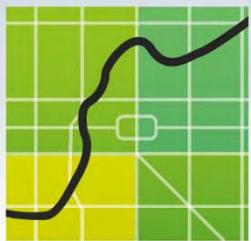
## Upcoming 2016/17/18

- MCG (Machine Control & Guidance), 05-06 October 2016, Clermont-Ferrand, France
- GeoSiberia, April 2017, Novosibirsk, Russia
- Intergeo, 26-28 September, 2017, Berlin
- FIG Working Week 2017, 28 May - 01 June, Helsinki, Finland
- FIG Congress 2018, 06-11 May, Istanbul, Turkey including Technical Seminar on Reference Frames

# Commission 6

## Engineering Surveys

Ivo Milev



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## Commission 6- Overview

- Implementation of innovative technologies and modernization of the engineering surveys processes of data acquisition, processing, interpretation and quality control but also the epoch by epoch data management and analysis of the engineering object condition changes as important part of the maintenance and emergency situation alert.
- Development and implementation of calculation algorithms for optimization of the surveying data pre-and post-processing.



## Commission 6- Working Groups

- WG 6.1 Deformation Monitoring and Analysis  
(Prof. Dr. Wolfgang Niemeier )
- WG 6.2 Engineering surveys for design, constructive works and exploitation of buildings and transportation infrastructure  
(Joel van Cranenbroeck)
- WG 6.3 Sensor fusion, data acquisition and processing techniques for moving measuring complexes  
(Prof. Vladimir A. Seredovich)
- WG 6.4 Wide Area Engineering Surveys for Monitoring, Features Determination and Environmental Management  
(Rémy Boudon)



## Commission 6- Outreach 2015/2016

- 30 March – 01 April 2016, Vienna Austria



“Joint International Symposium on Deformation Measurements” (JISDM) in cooperation with IAG commission 4 “Positioning and Application “

- More than 82 presenters, where

Country	Germany	Austria	Switzerland	Italy	Greece	United Kingdom	Netherlands	Spain	Finland	Poland	Others
Presenters	26	9	9	7	6	5	4	3	2	2	9

- 20-22 April 2016 Interexpo GEO-Siberia-2016



## Commission 6- Upcoming 2016/2017

- **20-22 May 2016, Varaždin , Croatia**

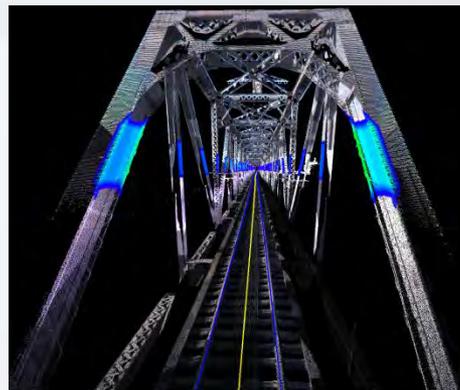
Croatian Geodetic Society, in co-operation with the Faculty of Geodesy University of Zagreb, organizes the *SIG 2016 - International Symposium on Engineering Geodesy*

- **1- 3 Aril 2017, Wuhan, China**

Symposium for railway design and infrastructure management, in cooperation with Wuhan Railway design institute and Wuhan University

- **2017 , Workshop (in planning)**

Surroundings modeling and collision prevention for intelligent traffic systems



# Chair: Steven Nystrom

## Commission 9

FIG Working Week  
New Zealand

# Commis 9 - Overview

- The Work Plan focuses on three highly relevant themes;
- Real Estate Market Policy Frameworks
- Property Taxation
- Valuation Methods and Standards.

# Outreach- 2015/16

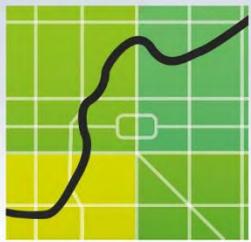
- Commission 9 participated in the following:
- FIG Task Force on Real Estate Market Study
- World Bank Conference on Land & Poverty
- European Commission – Task Force for Greece
  
- Continued Partnership will be expanded with the World Bank, GLTN, UNFAO, and UN REAG.

# Visibility and Cross FIG Work

- Commission 9 is Publishing “**Property Taxation for Developing Economies**”
- There will be a session on this publication along with additional presentations from GLTN
- *Frances Plimmer* of Commission 9 co-wrote this excellent publication with *William J McCluskey*
- Commission 9 is giving its continued strong support for the Task Force on Real Estate Market Study

# Upcoming- 2016/17

- Commission 9 will contribute to “The Sustainable Real Estate Markets Policy Framework & Necessary Reforms” workshop, September 19-20 Athens, Greece
- Present at 2017 World Bank Conference on Land and Poverty
- Prepare for a 2017 Joint UN Conference on the Expanded Policy Framework for Sustainable Real Estate Markets



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## **COMMISSION 10**

# **Construction Economics & Management**



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## Commission 10 Overview

**International  
Construction  
Measurement  
Standard (ICMS)**

**Commission 10  
Work Plan  
2015 - 2018**

**Promoting  
Construction  
Economics &  
Management**

**Building  
Information  
Modelling (BIM)**



## International Construction Measurement Standard (ICMS)

### Launched the ICMS Coalition in Washington on 16 – 17 June 2015





## International Construction Measurement Standard (ICMS)

- **Standard Setting Committee (SSC) was set up in October 2015 with See Lian Ong elected as the Chairman of SSC.**
- **SSC met several times using webex and first physical meeting was held on 4&5 March 2016 at the EEC, Brussels.**





## International Construction Measurement Standard (ICMS)

- **The ICMS has moved to next phase i.e. standard drafting with the view of circulating the 1<sup>st</sup> draft for consultation with Coalition members in August/September 2016.**
- **Next physical meeting of SSC is 30 June to 1 July at RICS, London.**
- **Launch of the draft ICMS for public consultation in November 2016**



## **BUILDING INFORMATION MODELLING (BIM)**

- **BIM continues to be an important topic at the FIG working week as this technology continues to advance.**
- **Closer collaboration with developers, vendors and suppliers of BIM softwares are essential in order to ensure BIM is fit for purpose.**
- **2 technical sessions at this WW:**
  - ❖ **Tuesday, 3 May: 16:00 – 17:30 (Blossom Lady 2)**
  - ❖ **Wednesday, 4 May: 16:00 – 17:30 (Blossom Lady 2)**

## **PROMOTION OF THE PROFESSION OF CONSTRUCTION SURVEYORS (QS/CE/PM)**

- **Closer collaboration with ICEC, PAQS, RICS and CEEC are initiated to promote the profession especially in some developing countries**
- **The toolkit for the development of courses and training is to be developed in 2016/2017**





# FIG Working Week 2016

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Recovery

from disaster

# Thank You

Sr (Dr.) See Lian Ong  
Chair, Commission 10



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FIG YSN  
CONFERENCE

2016

CHRISTCHURCH  
NEW ZEALAND



**FIG Young Surveyors Conference**  
Christchurch, New Zealand

# Haere Mai!!!





## FIG Young Surveyors Conference Christchurch, New Zealand

### 9:00 - 10:30 Opening Ceremony

---

We are welcoming our dear friends and colleagues to the 3rd FIG Young Surveyors Network Conference in Christchurch, New Zealand. Let's make this an inspiring and more important fruitful event to contribute to the 'Recovery from Disaster', the FIG WW 2016 theme.

- |  |   |
|--|---|
| :: <b>Mark Allan</b> , New Zealand         | President New Zealand Institute of Surveyors (NZIS) |
| :: <b>Chryssy Potsiou</b> , Greece         | FIG - International Federation of Surveyors         |
| :: <b>John Hohol</b> , USA                 | FIG Foundation                                      |
| :: <b>Eva-Maria Unger</b> , Austria        | FIG Young Surveyors Network                         |
| :: <b>Paula Dijkstra</b> , The Netherlands | FIG Young Surveyors Network                         |
| :: <b>Melissa O'Brien</b> , New Zealand    | FIG Young Surveyors Network                         |



**FIG Young Surveyors Conference**  
Christchurch, New Zealand

## **Housekeeping**

:: Wifi (Rydges GUEST - Option A)

:: Photographers

:: Toilets

:: Evacuation

:: Earthquake

:: Personal Items

:: Bell

:: Registration (Bag)



# FIG YOUNG SURVEYORS NETWORK

## WORK PLAN 2015 - 2018



## General Information

- :: FIG (International Federation of Surveyors) founded 18 July 1878 in Paris, France
- :: Federation of nat. associations, the only int. body that represents all surveying disciplines
- :: FIG YSN established at the FIG Congress in Munich in 2006
- :: initial purpose to bring more YS into FIG
- :: contributing to the work of FIG and its 10 Commissions core of the Network
- :: organise various events all over the world.
- :: co-operations and partnerships are the key - our generation who are

*the ambassadors and agents of change*



*“Ensuring the Rapid Response to Change, Ensuring  
the Surveyor of Tomorrow”*

*— Chryssy Potsiou*

## FIG Commissions

# 1: Professional Standards and Practice

# 2: Professional Education

# 3: Spatial Information Management

# 4: Hydrography

# 5: Position and Measurement

# 6: Engineering Surveys

# 7: Cadastre and Land Management

# 8: Spatial Planning and Development

# 9: Valuation and the Management of Real Estate

#10: Construction Economics and Management



# Terms of Reference

Definition of a Surveyor:

<http://www.fig.net/general/definition.htm>

Young Surveyors (YS)

:: Surveyors aged 35 years or under

:: Students of surveying and all related studies

Young Surveying Professionals (YSP)

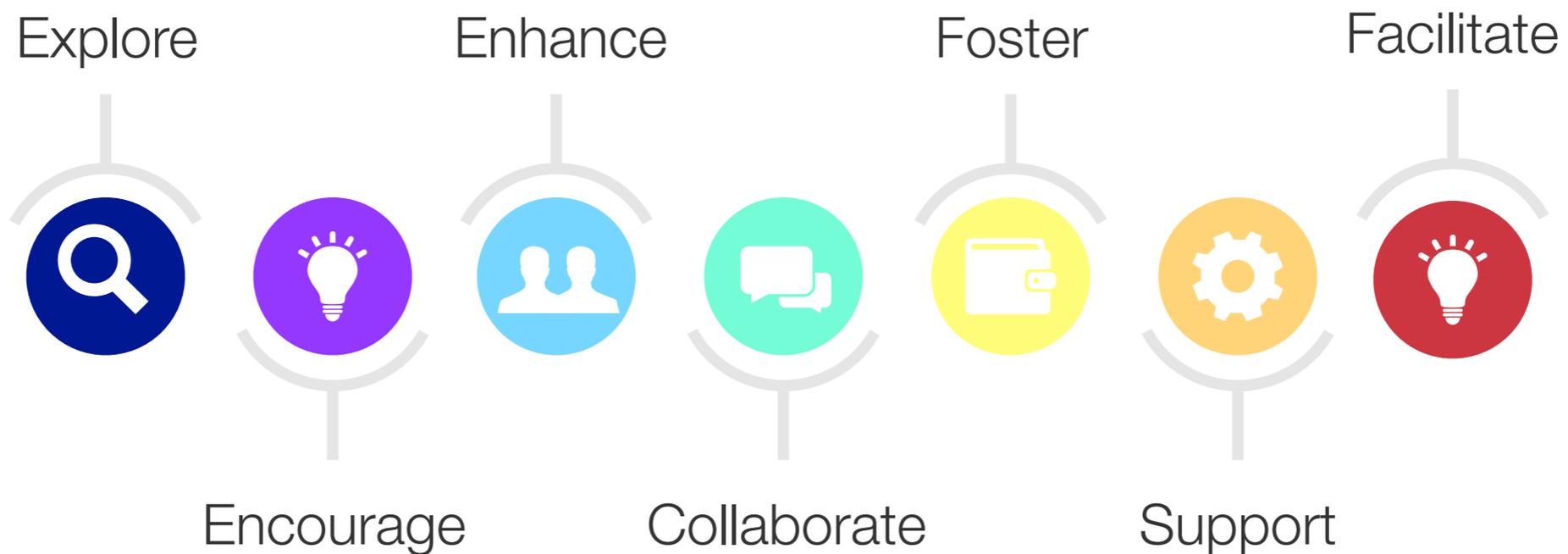
:: Young Professionals of surveying and all related studies within 10 years of graduation from a Bachelor or Masters degree



"If you think you are too small to make a difference,  
try sleeping with a mosquito."

— Dalai Lama

## FIG YSN Mission Statement (2015 - 2018)



# How to become active

1. Get in contact with your national surveying association
2. Be active! Join all or one of our social media channels, write an e-mail to [fig.youngsurveyors@gmail.com](mailto:fig.youngsurveyors@gmail.com) with your ideas and let us know who you are.
3. Sign up here:

 <http://www.fig.net/organisation/networks/ys/>

 FIG Young Surveyors

 Fig\_young

 FIG Young Surveyor Network

 [fig.youngsurveyors@gmail.com](mailto:fig.youngsurveyors@gmail.com)



# Benefits

*You* - there is nothing better than having a worldwide Network for a professional career especially at the beginning. Through personal contact with world leading surveying professionals you will learn more than you possibly could by studying alone.

*the National Associations* - as through support you gather international experience and so you are well prepared to become one of the future leaders

*the FIG Commissions* - as we are bringing them 'fresh blood' and fresh ideas

*the Network* - as we are continuously growing and can ensure that we are meeting various professional interest





*"Yesterday is gone. Tomorrow has not yet come. We have only today. Let us begin."  
— Mother Teresa*

## FIG YSN Working Groups

- :: mission statements will be achieved through 5 Working Groups each developing a toolkit
- :: toolkits should encourage and facilitate resilience in our profession through collecting ideas and suggestions
- :: toolkits can be seen as an interactive checklist and as a solid basis to start from
- :: should be developed further and adapted to the regional context
- :: we would like to inspire, encourage and sustain the work all Young Surveyors are doing

"I want to put a ding in the universe."  
— Steve Jobs

# Working Group - Social Media

## Specific Working Group Projects:

*Coordination* of the various platforms,  
*Collect* and *Share* relevant information

*Raise* awareness on 'How to Use Social Media for Your Professional Development' during Young Surveyor events

*Collect* the input gained from events and *Develop* a toolkit on 'How to pimp up your professional career through the use of Social Media'



"I want to put a ding in the universe."  
— Steve Jobs

# Working Group - Social Media Role Call

2 people

who want to be our  
Social Media

reporters for Twitter and Facebook



"Coming together is a beginning.  
Keeping together is progress. Working  
together is success."

— Henry Ford

## Working Group - Events

Specific Working Group Project:

*Develop a toolkit on 'How to organise events'*

*Extend co-operation with national associations, other host associations and FIG Commissions*

*Organise events in co-operation with FIG Commissions and FIG member associations*

*Work together with national and international sponsors*



"We cannot always build the future for our youth,  
but we can build our youth for the future."  
— Franklin D. Roosevelt

## Working Group - Mentoring

### Specific Working Group Projects:

*Identify* mentors and mentee at international, regional, national and FIG Commission level

*Organise* mentor sessions during the Young Surveyors Event

*Develop* a toolkit with careers tips and tricks



“We cannot always build the future for our youth,  
but we can build our youth for the future.”  
— Franklin D. Roosevelt

## Working Group - Mentoring

### Role Call

2 people

who want to be our

Mentee and Mentor coordinateurs

Database

Connect during FIG WW

check regularly



"Our children are the rock on which our future will be built, our greatest asset as a nation. They will be the leaders of our country, the creators of our national wealth, those who care for and protect our people."  
— Nelson Mandela

## Working Group - Partnerships

### Specific Working Group Projects:

*Work* on a proposal for an election process for the upcoming chair position

*Review* the terms of the FIG YSN

*Propose* ways to firmly strengthen the link between the YSN and the commissions

*Develop* a toolkit based on the projects above





with FIG Commissions and  
FIG Foundation

with Regional and National associations

with UN Bodies & NGOs

with Corporate Members

"Intelligence is the ability to adapt to change."  
— Stephen Hawking

# Working Group - Policy Issues

## Specific Working Group Projects:

*Work* on a proposal for an election process for the upcoming chair position

*Review* the terms of the FIG YSN

*Propose* ways to firmly strengthen the link between the YSN and the commissions

*Develop* a toolkit based on the projects above

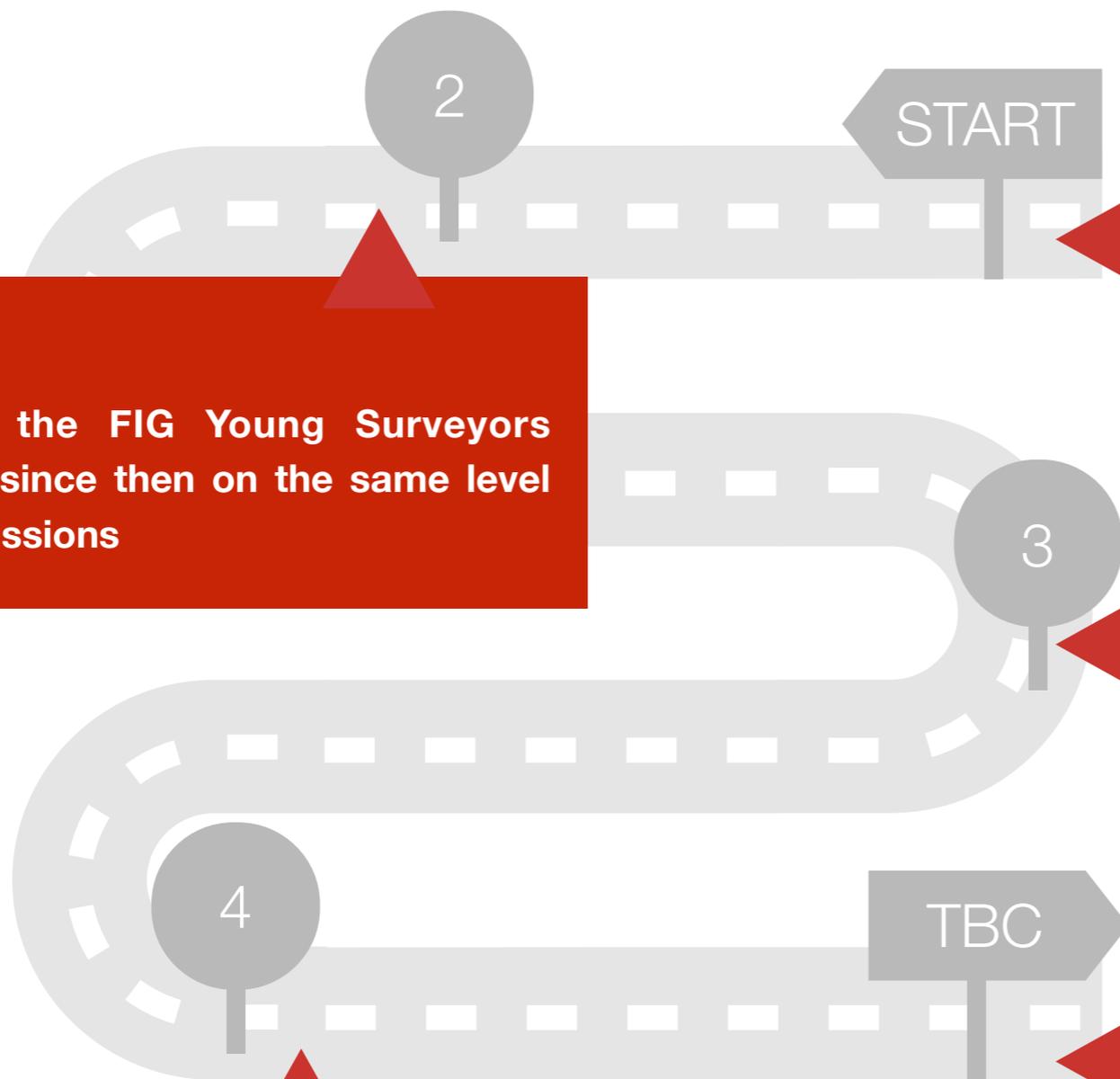


# Overview Working Groups

- :: WG 1 Social Media
- :: WG 2 Events
- :: WG 3 Mentoring
- :: WG 4 Partnerships
- :: WG 5 Policy Issues



# Roadmap of the FIG Young Surveyors Network



**2009**

upgraded to the FIG Young Surveyors Network and since then on the same level as FIG Commissions

established as Commission 1

Working Group  
1.2 Young Surveyors

at the FIG Congress 2006  
in Munich.

Chair: Cecilia Linden, Sweden

**2011 - 2014**

Chair: Kate Fairlie, Australia

Secretary: Eva-Maria Unger, Austria

Highlights:

- :: 1st FIG Young Surveyors Conference, Rome
- :: 2nd FIG Young Surveyors Conference, KL
- :: Establishment of regional Networks
- :: STDM Trainings for Trainers

**2015 - 2018**

Chair: Eva-Maria Unger, Austria

Vice Chair of Administration: Paula Dijkstra, the Netherlands

to be continued...

Proposed Highlights:

- :: Regional Network Meetings, Workshop
- :: Workshops, Trainings and Cooperations
- :: 3rd and 4th FIG YSC



YOUNG  
SURVEYORS

**FIG  
YOUNG  
SURVEYORS  
AFRICAN  
NETWORK**



YOUNG  
SURVEYORS

**FIG  
YOUNG  
SURVEYORS  
ASIA  
PACIFIC  
NETWORK**

*Shahkasahias*  
PHOTOGRAPHY



YOUNG  
SURVEYORS

**FIG  
YOUNG  
SURVEYORS  
EUROPEAN  
NETWORK**



YOUNG  
SURVEYORS

FIG  
YOUNG  
SURVEYORS  
NORTH  
AMERICAN  
NETWORK



YOUNG  
SURVEYORS

FIG  
YOUNG  
SURVEYORS  
SOUTH  
AMERICAN  
NETWORK



**FIG**  
YOUNG  
SURVEYORS

**Speed Dating**

**Coffee Break**



FIG YSN  
CONFERENCE

2016

CHRISTCHURCH  
NEW ZEALAND



**FIG Young Surveyors Conference**  
Christchurch, New Zealand

**11:00 - 12:00 #1 Rescue**

## **Life and Work in the Disaster Zone**

---

**Chair: Claire Buxton** (New Zealand)

**Rapporteur: Franka Grubišić** (Croatia)

Young Surveyors share their experiences from the day the disaster hit. We want to set the scene with 3 short TedTalks/fire presentations.

The session puts a focus on the immediate response after a significant natural disaster. You will hear personal accounts from young professionals involved in the rescue.

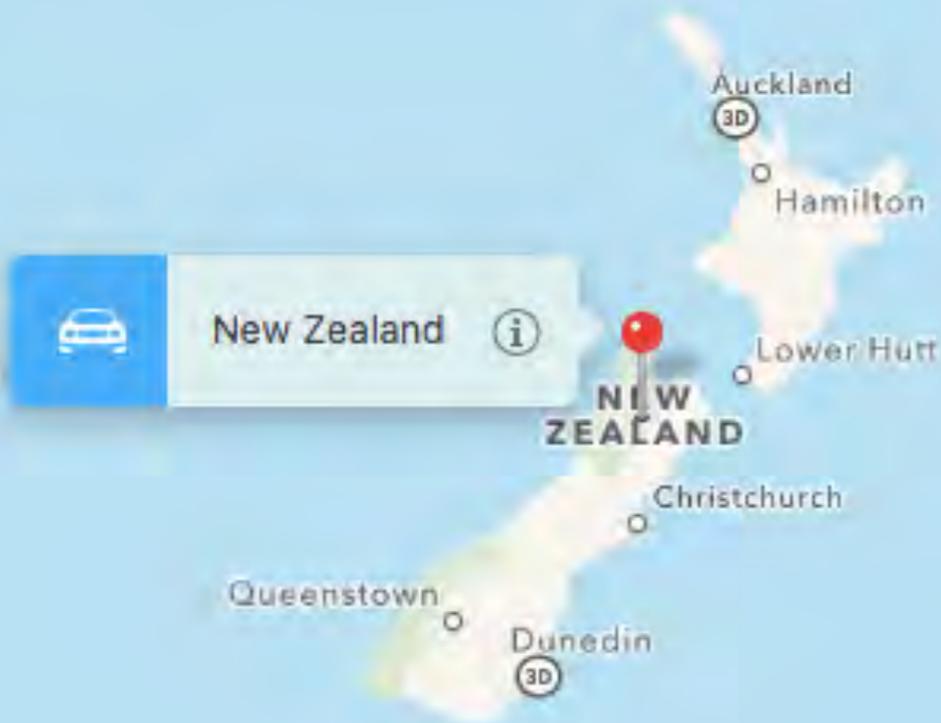
Whether it was monitoring buildings, assessing large scale damage to infrastructure, or making decisions at a higher level, those affected had their own personal issues to cope with. A series of short TedTalks/fire presentations will be given. Learnings will be taken from other people's experience of working in a high-pressure and, at times chaotic, environments.



## FIG Young Surveyors Conference Christchurch, New Zealand

### On Shaky Ground

**Mark Myall and Nick Saunders, New Zealand**

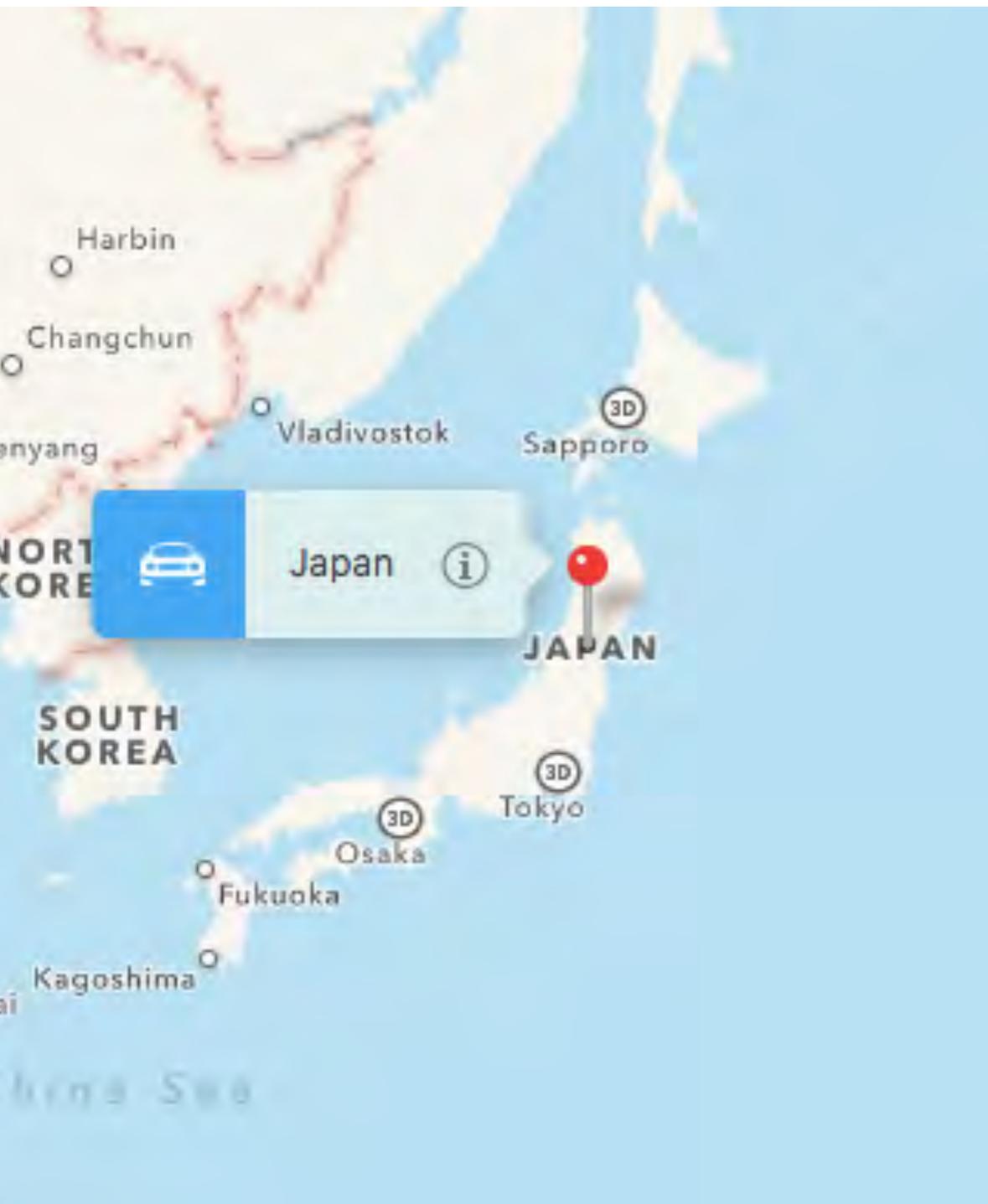


**40.9006° S, 174.8860° E**

An earthquake occurred in Christchurch on 22 February 2011 at 12:51 p.m. local time (23:51 21 February UTC) and registered 6.3 on the Richter scale. The earthquake struck the Canterbury Region in New Zealand's South Island and was centered 2 km west of Lyttelton, and 10 km south-east of the centre of Christchurch, at the time New Zealand's second-most populous city.



**FIG Young Surveyors Conference**  
Christchurch, New Zealand



## **Knowing tasks for a disaster** **Kazuaki Fuji, Japan**

**36.2048° N, 138.2529° E**

The 2011 earthquake off the Pacific coast of Tōhoku was a magnitude 9.0 (M<sub>w</sub>) undersea earthquake off the coast of Japan that occurred at 14:46 JST on Friday 11 March 2011, with the epicenter approximately 70 kilometers east of the Oshika Peninsula of Tōhoku and the hypocenter at an underwater depth of approximately 30 km. It was the most powerful earthquake ever recorded to have hit Japan, and the fourth most powerful earthquake in the world since modern record-keeping began in 1900.



**FIG Young Surveyors Conference**  
Christchurch, New Zealand

**12:00 - 13:00 #2 Rescue**

## **Action in the Disaster Zone**

**Chair: Melissa O'Brien** (New Zealand)

**Rapporteur: Annette Hadler** (Germany)

Have you ever wondered what is needed most in the aftermath of a disaster when thousands of people can suddenly find themselves battling to save lives and livelihoods. Information!

Before aid agencies can help them, the first requirement is information. Which areas have yet to be reached? Where are the relief resources? Where are the people in greatest need?

MapAction delivers this vital information in mapped form, from data gathered at the disaster scene. Get to know from first hand what is needed and how you as an individual, how we as a network and how we as young professionals can get involved and are needed.



**14:00 - 16:00 #3 Rescue**

## **Thriving in Uncertain Times**

**Chair: Liam Jagvick** (New Zealand)

**Rapporteur: Tuomas Jylha** (Finland)

Once the dust has settled, the rebuild from the aftermath begins. This interactive session looks to explore the types of technology and how it can be used after a significant natural disaster.

The importance of technology and new innovation will be highlighted in this session. Young Surveyors will present new technology and ideas.

First you will hear their presentations and then we will separate in groups to work together on their development and application. In this session it's not about what is already out there - it's about what is needed, how we can release it and how we can accelerate it.



**16:30 - 17:30 #4 Recovery**  
**The Art of Recovery**

**Chair: Mark Myall** (New Zealand)

**Rapporteur: Kelvin Tang** (Malaysia)

After years of unsteadiness, the opportunity that comes with a natural disaster is realised.

This session puts focus on the long term learnings and changes that will come about to prepare communities for future disasters. A series of presentations will give young surveyors a fresh and positive outlook on the new environment we live in.



**FIG  
Young  
Surveyors  
Conference**

**Closing**

**Christchurch, New Zealand**



## **Young Surveyors Dinner**

Rydges Latimer, 07.00 pm

**This room - just no seats :)**



**FIG Young Surveyors Conference**  
Christchurch, New Zealand

## **Sunday 1 May 2016 – ‘Exploring Christchurch’**

Rydgges Latimer, 09.45 am

From the city we travel out to the Port Hills and ride by Gondola 862 horizontal meters up Mt Cavendish. Enjoy the breath-taking 360 degree views of the Christchurch cityscape, over the Canterbury Plains out to the mighty Southern Alps and the dramatic hills of Banks Peninsula. Lunch will be served at the top.



# FIG YOUNG SURVEYORS NETWORK

CHARITY WALK/RUN

01 May 2016

Hagley Park, Christchurch NZ



## General Information

Meeting Time: 5pm

Start Time: 5.15 pm

Meeting Point: The Atrium Christchurch  
Netball center,  
455 Hagley Avenue\*  
Christchurch, NZ

\*you will find a map on the next page

Course options:

:: Walk: 2 km or 3.5 km

:: Run: 3.5 km or 5 km

Registration:

<https://www.fig.net/registrations/regform.asp?eventid=156>

## WE WALK / RUN...

...TOGETHER FOR A CAUSE



## :: Shaping our Future Network

Chair: Eva-Maria Unger, Austria, Chair of YSN

Rapporteur: Paula Dijkstra, The Netherlands, Vice-chair of YSN

Be part in shaping the FIG Young Surveyors Network - and this in full speed! Get your seatbelt fasten and get to know the work, challenges and vision of our network. In this dynamical Workshop participants have the possibility of presenting and brainstorming their ideas on 'our future network'. So join us to keep on building the FIG Young Surveyors Network: International, Regional and National and more important - **be part of the future.**

WEDNESDAY  
04 MAY 2016

---

14:00 - 15:30

Terror of Love Lounge 2,  
Addington Raceway,  
Level 3

---



**TUESDAY**  
**03 MAY 2016**

---

16:00 – 17:30

Silk room 1,  
Addington Raceway,  
Level 2

---

## **:: Nepal Building Back Better**

FIG YSN, FIG & UN Habitat-GLTN Joint Technical Session

**Chair: Eva-Maria Unger, Austria, Chair of YSN**

**Rapporteur: Cyprian Selebalo, Kenya, UN-Habitat GLTN**

**The objectives of the session are:**

- :: to introduce challenges of building back better initiatives in the post-earthquake situation in Nepal including rehabilitating informal/non-formal settlers and risk hazard-prone settlements**
- :: to present the current efforts of building back better Nepal**
- :: to explore the way forward based on international best practices**



**FIG Young Surveyors Conference**  
Christchurch, New Zealand

:: 4th FIG Young Surveyors European Meeting, Amsterdam  
The Netherlands

:: FIG Working Week 2017, Helsinki Finland

:: FIG Congress 2018, Istanbul Turkey

4th FIG Young Surveyors Conference

Asian Pacific Region

Africa Region

South American

North American



## :: Roll Call

:: Social Media Rapporteurs - Working Week

:: Coordinators Mentor Program



## ::: **Exhibition Hall / Booth**

::: Photo Booth

::: Info Center

::: Meeting Point

::: ....



**FIG Young Surveyors Conference**  
Christchurch, New Zealand

## **:: FIG Foundation Fund**

- :: Kelvin, Malaysia
- :: Donmarl, The Philippines
- :: Sana, Pakistan
- :: Maitena, Argentina
- :: Chethna, Fiji
- :: Asakaia, Fiji



**FIG Young Surveyors Conference**  
Christchurch, New Zealand

## :: Best presentations

:: Mark Myall & Nick Saunders

:: Chethna Ben

**:: Thank you**



**RiPRO**



THE FIG FOUNDATION





## **:: Thank You**

**:: Recognition of Chairs and Rapporteurs**

**:: Recognition of the Speakers**

**:: New Zealand team (Kazuaki)**

**:: Melissa & Paula & FIG Office**



3th Young Surveyor Conference -- hier: Rydges Hotels & Resorts.

👍 Gefällt mir    💬 Kommentieren    ➦ Teilen

👤 John Hohol, Franka Grubišić und 18 weitere Personen

 Kommentieren ...  

Personen, die du vielleicht kennst Alle anzeigen

 **Félix Niyongabo** ✕  
 1 gemeinsame/r Freundin

[➦ Freund hinzufügen](#)

 FIG Young Surveyors @fig\_young · 1h  
 Working on the ideas to sell on the YS market place! #3YSC #FIG2016



 FIG Young Surveyors @fig\_young · 4h  
 Group picture ;-) #3YSC while practicing #stop #drop #hold procedure in event of #eq





**FIG  
Young  
Surveyors  
Conference**

**Closing**

**Christchurch, New Zealand**



# Regional Capacity Development Network

Dr Diane Dumashie  
Chair

**FIG General Assembly, Christchurch, New Zealand  
2<sup>nd</sup> May 2016**



Regional Capacity Network [www.fig.net/organisation/](http://www.fig.net/organisation/) network

# 2016 Working Week Overview



1. Network Overview

2. Activities in the Network

3. Upcoming Regional  
Proposals

# I Regional Network Objectives

## **FIG global regions to identify**

- What their continuing capacity needs are
- And,
- How a Regional FIG platform could help

## **Networks:**

- Established: Africa Regional Network (ARN)
- New: proposal under consideration by GC

# II Africa FIG Regional Network (ARN)



## Activities in 2015:

- Purpose
- Place
- Partnership
- People
- Next Steps

# Purpose

What we were asked by GA



**Requires Africa Member Associations to:**

- Consolidate what has been achieved,
- Continue momentum, and
- Engage at all levels of societal institutions

**Achieved by**

- Hosting and developing annual capacity development and engagement forums.....

# Place

## 2015 Lukenya, Nairobi, Kenya



### Activity:

- Workshop: 40 Registered
- Representation from West, East and Southern Africa
- Documented: Agenda for Action
- Partnerships: Hosted and Supported by the FIG Family.....

# Partnership- FIG Family



## Our Host

- **President Paul Wambua**
- **Institution of Surveyors Kenya (ISK)**



## - **Gasant Jacobs**

- **Regional Director Thompson Reuters**
- **(FIG Corporate, ARN 2015 sponsor)**



## - **Pamela Agbonika,**

**Africa Young Surveyors Network (FIG)**

# People

## Generational Diversity and Technology in the Land Professionals Sector



Deliberations; The future of work is already here...  
are you ready?

- **Diversity**- Inter generational
- **Big Data** - Technology

# Our Focus

*How do our African Continental Associations and Educators Assist professionals to build diverse and inclusive organisations?*

## Key Purpose

- **Aware** of inter generational diversity
- **Affects** our professional work place
- **Acknowledge** skills to handle Big Data, and
- **Accordingly**, measure the impact on society using the SDGs

**Workshop Output.....**

# Outcome: Agenda for Action Fact Sheets: Building Diverse & Inclusive Organisations

## Promoting Intergenerational Diversity

Communicate to promote understanding and mentorship	Embrace difference and new ways of learning	Facilitate flexibility in employment conditions
Inclusive approach to all generations	Promote ethics, professionalism, and management skills	Promote member awareness and use of 'Big Data'

## Winning the War for Talent

Identifying talent and skills needed for the future	Build a healthy work environment	Setting ethical standards and targets
Competence in leadership	Creating smart goals for talented staff	Encourage mentoring



## DEVELOP A CALL FOR ACTION

- Deliberate Policy Action**
  - For standards
  - Legislative issues
  - Civic education
  - For collaboration
  - Team work
  - Diversity and professionalism
  - Mutuality
  - Synergy
- Mandatory CPDs**
  - Virtual
  - Physical
- Proficiency in Tools and Concept**
  - Technology (cyd)
  - Competence
  - Riskier purpose
  - Regulation (Education)
  - Big Data Manag
  - Training - 45%
- Advocacy and**
  - Land transaction
  - Land Surveyor
  - No-go public
  - Communication
  - Updating pro
  - Building
  - Lobbying with
  - Information C
  - Creation of d
  - Improvement

## PROMOTING GENERATIONAL DIVERSITY IN THE LAND PROFESSIONS SECTOR

To promote performance of business / operation  
To promote perception of business / operation as innovative and attractive

- EMBRACE INTERGENERATIONAL DIFFERENCE WITHOUT JUDGEMENT**  
Learn about generation BB-VYZ, differences and learn how to understand/accommodate/communicate in an environment of generational diversity.
- COMMUNICATE TO PROMOTE UNDERSTANDING AND PROMOTE INTER-GENERATIONAL MENTORING**  
Member organisations to embrace and promote concept of inter-generational mentoring with the assistance of FIG-VSN to lead mentoring roll-out through member.
- EMBRACE NEW WAYS OF LEARNING BY INCLU**  
Member organisations should look at including lean podcasts, webinars, online courses, MOOCs and sit encourage engagement and principles of lifelong le
- PROMOTE THE AWARENESS AND USE OF 'BIG**  
Discover sources of 'big data' of importance for the users, formats etc. and develop SDTs and training co
- INCLUSIVE APPROACH TO ALL GENERATIONS**  
Include FIG-VSN members as professional and esse generation Y and Z, and engagement in activities to
- PROMOTE ETHICS, PROFESSIONALISM AND IN**  
Sharing tertiary course design and delivery template involvement of professional practitioners in course
- FACILITATE FLEXIBILITY IN EMPLOYMENT CO**  
Promote the accommodation of workplace expectat promote changing conditions of employment (redie

## INCORPORATING INTER-GENERATIONAL DIVERSITY AND USE OF TECHNOLOGY IN LAND SECTOR PROFESSIONAL SERVICES

- HELP**
  - Leadership, Management and Strategy
  - Professional Skills and Professional work culture
  - Respect for intergenerational diversity and equality and mentoring
  - Information (Big data), Communication (social media), Technology and Discussion
- TECHNOLOGY WORK-PLACE BRIDGE**
  - Utilisation
  - Technology advanced equipment and materials
  - Learning method
  - Learning/mentoring
  - Integrity of Principles and Methods
  - Maximising a High Quality outcome of activities
- IMPROVED ACTIONS**
  - Focus on Professional Ethics
  - Reinforcing regulatory action
  - Review of academic curriculum
  - Qualifying and accrediting
  - Sharing and co-creating
  - Adapting to Global Markets
  - Relevant research and practices



# Agenda for Action Implementation

- **Responsibilities**

- Member Associations to use this document to encourage their own individual Professionals to engage

- **Roles**

- YS Africa Mentoring activity
- Individuals to mentor recognising two-way learning, because
- Big Data and our work place is across four generations



# Lukenya Workshop - Thanks

- **Partnerships:**

- Thomson Reuters sponsor and participation for both Workshop and cover art work
- YSN/Africa who expect to formalise their Africa chapter

- **People:**

- Members attending and working groups/leads
- Institution Surveyors of Kenya,



# ARN next steps

**1.Nairobi Workshop 2015** (*upload*)

**2.Workshop 2016**

- Young Surveyors Network
- Federation of French Speaking Surveyors (FGF)
- FIG Commission 8
- Ghana Institution of Surveyors

And

- Member associations....our bedrock for implementation and operationalisation

***ARN Roundtable Tuesday @ 12.45pm***

# III Upcoming Regional Proposal

- Region: Pacific Island Countries and Territories (PICTs)
- Early lead: Pacific Geospatial & Surveying Council (PGSC) outreach to UN GGIM/AP

## Aims to enable:

- A framework to provide sustainable resource base to support geospatial and survey activities
- Consideration to broaden to other FIG disciplines
- A self reliant community that has a culture of learning, innovation, collaboration and gender equality activities
- Discussion through out the Working Week

# Keeping in Touch

- [www.fig.net/organisation/networks](http://www.fig.net/organisation/networks)
  - Email alerts
    - Chair: Dr D Dumashie
    - [ddd@dumashie.co.uk](mailto:ddd@dumashie.co.uk)



# Task Force on Real Estate Market Study

Pekka Halme

FIG 39th General Assembly

Christchurch, New Zealand

May 2, 2016



# The Task Force

- Established at the GA of the FIG WW2015 in Sofia.
- Focus on the ECE region
- Carry out a study on the real property markets concerning countries in an economic transition process

Pekka Halme, Chair, Finland

Orhan Ercan, Turkey

Sonila Jazaj, Albania

Dennis Lindén, Sweden

Vasily Nilipovskiy, Russia

Steven Nystrom, USA

Helge Onsrud, Norway

Chryssy Potsiou, Greece

Ionut Savoiu, Romania

Winrich Voss, Germany



# The Task Force Activities

- First meeting in Cape Sounio, Greece, September 1, 2015.
- Desk studies
- Technical Session 06H, Thursday, May 5, 11:00 – 12:30
- Seminar September 19-20, 2016, Athens, Greece



# Focus and Themes

- Government guarantees to register information; Security of ownership/tenure
- Property taxation, appropriate valuation
- Land-Use restrictions, Permitting procedures
- Legislation, relevant recent legislative and administrative reforms and involved governmental agencies for regulation
- Existing registers/databases, information services
- e-gov, m-gov, transparency
- Processes, efficiency of services, customer friendliness of procedures
- Players/actors, investigation of the investors' needs
- Time, fees and costs required
- Sustainable financing mechanisms, access to credit and mortgages
- Prerequisites for Sustainable Growth; conversion of unused or underused resources into productive capital
- Affordable housing
- Education, training, professional capacity development.

The TF will prioritize to focus on some aspects before the others.



# Work Plan (1)

1. TF meetings and other means of keeping contact
  - One or two meetings every year.
  - Session for the FIG WW in New Zealand, May 2016.
  - Session in the FIG WW in Finland, May-June 2017.
  - Two focused seminars:
    - Greece, September 19-20, 2016.
    - Turkey in 2017
  
2. Methodology or framework and target countries
  - A desk study concentrating on existing reports and materials.
    - Based on the above a list of general questions (topics) will be prepared.



# Work Plan (2)

3. Collecting additional information from target countries
  - In the seminars, through the expert network, or through field studies.
  
4. Elaboration of the results
  - By the Task Force and discussed in the seminars.
  
5. Drafting the report
  - The report itself will be prepared by the end of the year 2017.

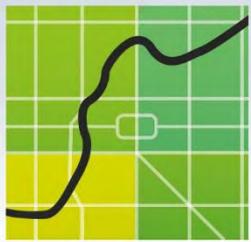


# Outcome

- Final Report on the situation in the target countries or the ECE Region will be presented in the FIG Congress in Istanbul in 2018.
- The report has a value in itself for the countries in question.
- The report should also give a non-region-specific view on the problems and challenges, and provide tools to deal with them for the governments and professionals on a more global scale.



Thank You for Your Attention



# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

Organised by



Platinum Partners



Diamond Partner





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## Report FIG Task Force on Corporate Members

Monday, 2 May 2016

John Hohol, Co-Chair



Platinum Partners:



Diamond Partner





## Focus

***to increase in number of FIG Corporate Members while providing better communication with FIG Council and interaction between the wider FIG organization and ultimately member associations***



## Aim of Task Force

- Solicit input of current FIG Corporate Members to explore how they can participate more fully in the FIG Community
- Discuss with them what is important in their relationship in FIG
- Explore comprehensive benefit package for FIG Corporate Members
- Increase the number of FIG Corporate Members



# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## Activities

- Met with 4 FIG Corporate Members at 2015 Intergeo, Stuttgart
- Met with 11 potential members at Intergeo
- Internet survey sent to each FIG Corporate Member soliciting input
- Internet survey sent to potential members
- Recommendations



## Internet Survey of FIG Corporate Members

### 5 QUESTIONS:

- Which FIG Corporate Member benefits do you use?
- What benefit(s) would you like to have as an FIG Corporate Member?
- What role does/should FIG perform in the global surveying community?
- Do you attend and participate in FIG Working Weeks/Congresses?
- Are you interested in participating in a task force of FIG Corporate Members?



## Internet Survey of Potential Corporate Members

### 5 QUESTIONS:

- Have you heard of FIG (International Federation of Surveyors)?
- If you heard of FIG do you what it is and what it does?
- Have you been contacted about becoming an FIG Corporate Member?
- Would you like to receive more information about FIG and discuss becoming an FIG partner as an FIG Corporate Member?



## Recommendations

1)

Establish an FIG Corporate Member Advisory Board composed of key executive-level (CEO, President, Vice President) members that will work directly under the auspices of the FIG Council to communicate and provide assistance and input under the direction of the council



# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## Recommendations

2)

Review Corporate Member benefits



## Recommendations

3)

Encourage corporate members to use the FIG logo on their websites, literature, and advertisements to publicize partnership with FIG while also increasing visibility of FIG



## Recommendations

4)

Encourage corporate members and technical commissions to engage with each other



## Recommendations

5)

Ask corporate members to contact their corporate partners to encourage them to become FIG Corporate Members



## Recommendations

6)

Invite FIG Platinum Corporate Members to attend the FIG Director Generals Forum and Presidents' Meeting



# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## Recommendations

7)

Solicit support from FIG Member Associations to find and attract potential Corporate Members



## Recommendations

8)

That continued efforts be made to solicit feedback from current FIG Corporate Members- at FIG events (during FIG Corporate Member meetings, individually with Corporate Member representatives and at events (ex: Intergeo) where Corporate Members are present



## Recommendations

9)

Meet and discuss the opportunities and benefits of becoming an FIG Corporate Member with exhibitors at FIG events- Regional Conferences, Working Weeks and Congresses



## Recommendations

10)

Invite other FIG Corporate Members to participate in Task Force



# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## Task Force Members

- John Hohol, co-Chair
- Bryn Fosburgh, co-Chair (Vice President, Trimble Navigation)
- Kengo Okada (CEO, Ripro Corporation)
- Bhupinder Singh (Senior Vice President, Bentley Software)



# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

**FIG Corporate Member Meeting**  
**Wednesday**  
**4 May**  
**14:00 – 15:30**  
**Silk Room 4**  
**Addington Raceway**  
**Level 2**



Platinum Partners:



Diamond Partner



**FIG Task Force on**

**FIG Commission Structure**

**report to General Assembly 2016**

Mikael Lilje, Chair of the Task Force



# Based on two proposals

**Proposal from Geosuisse** submitted 2014  
regarding how commission chairs elect are elected

**Proposal regarding Structural Improvements**  
submitted 2015 by

- Danish Association of Chartered Surveyors (Denmark)
- Finnish Association of Geodetic and Land Surveyors MIL (Finland)
- Norges Jordskifte kandidatforening, faglig gruppe av Tekna ([NJKF](#)) (Norway)
- Swedish professionals for the built environment

# Task Force Members

- Mikael Lilje, Chair of Task Force
- Brian Coutts
- Stephen Djaba
- Henning Elmstrøm
- Kate Fairlie
- Brent Jones
- Jürg Kaufmann
- Robert Sarib
- Winnie Shiu
- Rudolf Staiger
- Karl-Friedrich Thöne/Hansjörg Kutterer



# The Task Force will ...

- evaluate the current Commission structure and content (includes Task Forces, Networks)
- review the process regarding Chairs-Elect for Commissions.
- present a FIRST proposal at the FIG WW in 2016 for discussion and feedback.  
(Open meeting during lunch on Wednesday, (12.45 – 14.00, Concourse Room))

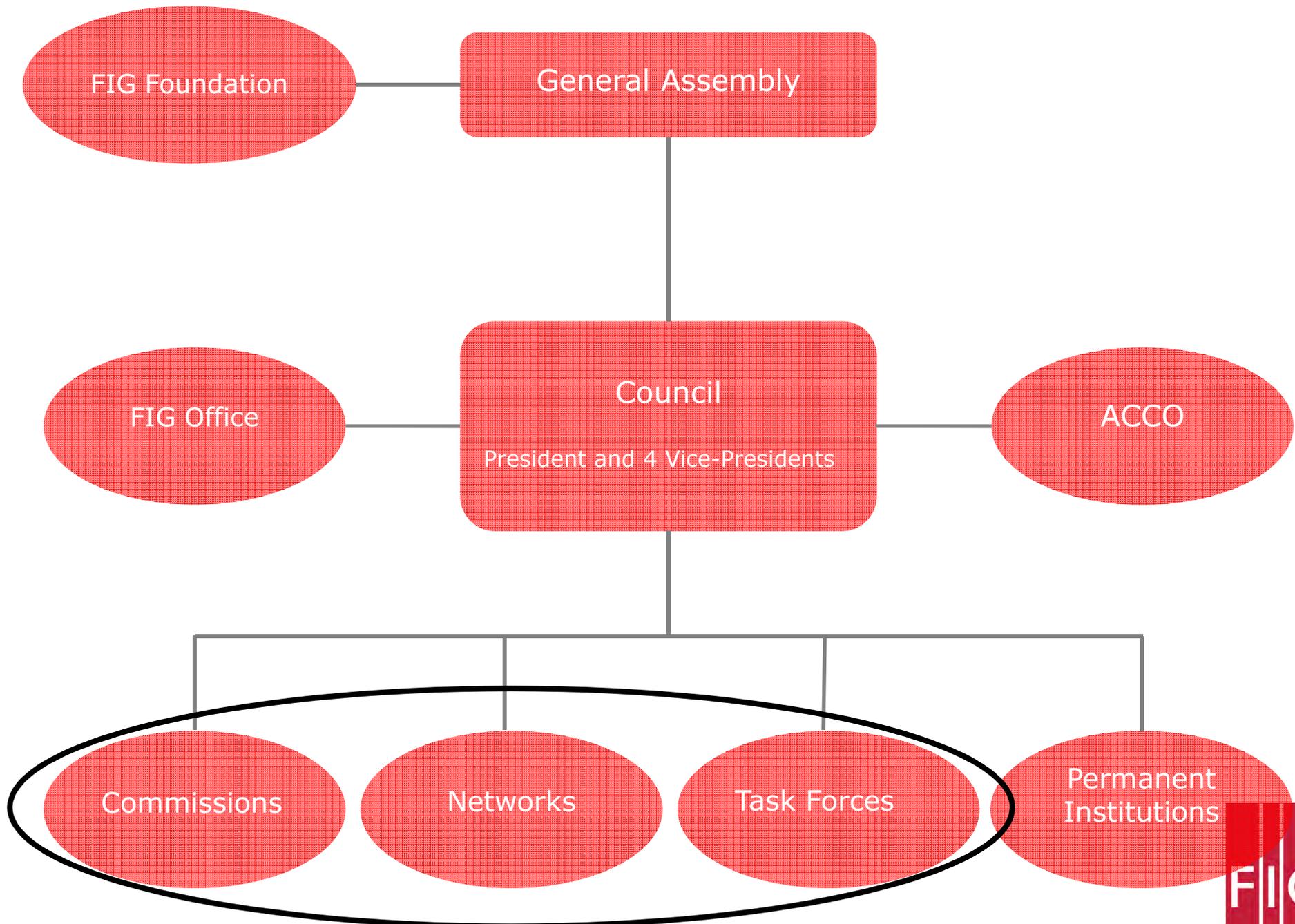
# The Task Force has not...

.. evaluated the entire FIG internal structure. We have though included Networks and Task Forces but excluded ACCO, Council and Office.

... proposed changes to the definition of the Functions of the Surveyor

... reviewed any official strategies or documents





# **The Task Force will today...**

... present a FIRST PROPOSAL to be discussed during FWW 2016

... and seek feedback from members !



# The Task Force suggests the following changes to the structure for FIG

Consolidate the number of commissions to FOUR.

- *Spatial Information, Data Management and Systems*
- *Cadastral*
- *Positioning, Measurement and Reference Systems*
- *Spatial Planning, Land and Marine Management*

Implement FOUR FIG Networks;

- *Education, Professional Development and Ethics*
- *Standards*
- *Young Surveyors*
- *Regional Capacity Development*

Improve the use of professional Task Forces within FIG



- Drivers for change
- Review of current structure

# Main drivers for Change ... 1

- Societal, economic, environmental and technological changes over time. FIG must progress alongside the profession.
- Addressing Global issues, emerging issues related to gender equity for women's access to land and education
  - Poverty, sustainable land development
  - Climate change
  - Urbanisation
- Current commission structure more or less the same since decades.

# Main drivers for Change ... 2

To manage these social, economic and technological advances, changes and challenges;

- FIG needs to be more efficient and effective
- FIG must be proactive in identifying mega trends
- FIG should challenge these mega trends
- FIG need to be aware of its role in the international stage

# Summary of the review of FIG Commission structure (1 of 2)

Area of challenge	Problem	Recommendation
Commission	<ul style="list-style-type: none"> <li>- Lack of interaction between Commissions</li> <li>- Varying size of Commissions</li> <li>- Achievement levels of Commissions.</li> </ul>	<ul style="list-style-type: none"> <li>- Streamline Commissions</li> <li>- Create more flexible Task Force structure</li> <li>- Election changes, determined by Commissions</li> <li>- ACCO rep to come from VP instead of Commissions?</li> </ul>
Communication	<ul style="list-style-type: none"> <li>- Social media</li> <li>- Overlap/communication with other fields/organisations</li> </ul>	<ul style="list-style-type: none"> <li>- Develop communication strategy for FIG</li> <li>- Review databases (resources)</li> </ul>

# Summary of the review of FIG Commission structure (2 of 2)

Area of challenge	Problem	Recommendation
Member Associations	<ul style="list-style-type: none"><li>- Justifying membership</li><li>- Promoting visibility of surveying (declining membership)</li></ul>	<ul style="list-style-type: none"><li>- Identify value adds in additions to meetings</li></ul>
Private sector	<ul style="list-style-type: none"><li>- Struggle to see value in FIG</li></ul>	<ul style="list-style-type: none"><li>- Strategy to directly address private sector</li><li>- Closer ties between private sector and Commissions</li><li>- Single cooperate sponsor payment, rather than per event</li></ul>

Is the current structure with more or less the same 10 commissions since many years prepared to meet the future challenges?

Our conclusion is that if we would like to change the structure, now is a good opportunity!

# Mapping between current and "new" Commissions

4 new Commissions	<i>Positioning, Measurements and Reference Systems</i>	<i>Spatial Information, Data Management and Systems</i>	<i>Cadastral</i>	<i>Spatial Planning, Land and Marine Management</i>
Current Commissions	<ul style="list-style-type: none"> <li>Com 4</li> <li>Com 5</li> <li>Com 6</li> <li>Com 10</li> </ul>	<ul style="list-style-type: none"> <li>Com 3</li> <li>Com 10</li> </ul>	<ul style="list-style-type: none"> <li>Com 4</li> <li>Com 7</li> </ul>	<ul style="list-style-type: none"> <li>Com 4</li> <li>Com 8</li> <li>Com 9</li> <li>Com 10</li> </ul>

# FIG Networks

Currently;

- FIG Regional Capacity Development Networks
- FIG Young Surveyors Networks
- FIG Standards Network

Current FIG Commission 1 (Professional Standards and Practice) and FIG Commission 2 (Professional Education) deals with the surveyor profession in general. We suggest that we merge them as well as call the Network instead with participants from all Commissions



# FIG Networks

4 new Commissions	<i>Positioning, Measurements and Reference Systems</i>	<i>Spatial Information, Data Management and Systems</i>	<i>Cadastral</i>	<i>Spatial Planning, Land and Marine Management</i>
FIG Networks	Education, Professional Development and Ethics			
	Standards			
	Young Surveyors			
	Regional Capacity Development Network			



# FIG Task Forces

Are to deal with contemporary and interesting issues established by the Council at the request of the ACCO. They exist during a limited time. Greater emphasis on Task Forces will enable cross-Commission work

Task Forces could take care of emerging issues of the societies, e.g.:

- Energy transition
- Climate change
- Land grabbing
- Rapid urbanisation
- Poverty reduction
- Regional development



# Pros regarding a change now

- Reset in terms of activity, subject/content
- Fewer active chairs to find, simpler recruitment
- More likely to create a critical mass of active people
- Better allocation of funding
- Clarity over network and commissions hierarchy/structure

# Cons regarding a change now

- Fewer commissions may lose the diversity
- More work may fall on the shoulders of Commission Chairs
- Could mean less people are engaged and active
- Commissions give a home to members and this may lose some regular attendees
- Doesn't address role of FIG with e.g. UN-GGIM etc.

# **Selection process for Commission Chairs**



# Selection process for Commission Chairs

Suggestion from the task force;

Exiting Commission officers should be involved in the assessment of the candidate. The Commission can suggest a candidate but the member organisation must always nominate the candidate. The Commission (and Member organisations) should always evaluate the candidate.

If more than one candidate exist, a Chair Selection Review Team may be established (ACCO, Council representative, Commission chair).

Discussions!

We have presented a proposal, now we are seeking for your feedback !

Basically, are we on the right track ?



- What are the strengths and weaknesses of this proposal?
- Is there a need for a wider review of the FIG structure?
- Do we have enough of a basis to proceed (with minor changes to our proposal)?

# Summary

4 new Commissions	<p><i>Positioning, Measurements and Reference Systems</i></p>	<p><i>Spatial Information, Data Management and Systems</i></p>	<p><i>Cadastral</i></p>	<p><i>Spatial Planning, Land and Marine Management</i></p>
FIG Networks	<p>Education, Professional Development and Ethics</p> <p>Standards</p> <p>Young Surveyors</p> <p>Regional Capacity Development Network</p>			
<p>Task Forces could take care of emerging issues of the societies, e.g. Energy transition, Climate change, Land grabbing, Rapid urbanisation, Poverty reduction and Regional development</p>				
Chair-elect	<p>Chair Selection Review Team that is made up of the ACCO-rep, one or two Vice Presidents and possibly existing Commission officers</p>			

# What will happen this week?

- Proposal presented at first General Assembly (today!)
- Open meeting during lunch on Wednesday (12.45 – 14.00, Concourse Room)
- Presentation on second General Assembly on the progress during the week.



# ***FIG Definition of the Functions of the Surveyor***

A surveyor is a professional person with the academic qualifications and technical expertise to conduct one, or more, of the following activities;

- to determine, measure and represent land, three-dimensional objects, point-fields and trajectories;
- to assemble and interpret land and geographically related information,
- to use that information for the planning and efficient administration of the land, the sea and any structures thereon; and,
- to conduct research into the above practices and to develop them.

## **List of 11 Detailed Functions**



# Mapping between “new” Commissions and defn of the functions of a surveyor

Please note that the mapping is wrong in the document

4 new Commissions	<i>Positioning, Measurements and Reference Systems</i>	<i>Spatial Information, Data Management and Systems</i>	<i>Cadastral</i>	<i>Spatial Planning, Land and Marine Management</i>
FIG Defn of Functions of a Surveyor (11 bullet points)	1 2 3	3 4 6 7 8	5 7 8	7 8 9 10 11

- Can you identify where you, your survey profession, your organisation fit in the proposed structure? How does the proposed structural change impact you?
- Will the proposed structural change adversely impact our international role / function / profile / relationships ?
- Are Commissions important? For what purpose? For whom?
- Has the “need or why” for Commission structural change been clearly identified? Do we agree on the drivers for change?
- Do you agree on the proposed balance between Commissions – Networks – Task Forces?
- Are Commissions prepared for the future that is beyond the four-year in-built structure we have?





# FIG Working Week 2016

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Recovery

from disaster

## Options at 1st General Assembly 2 May 2016

1	discussion paper (including minor edits) agreed	voting in GA 2017 Finland	call for nominations sept 17 (new structure)
2	Proposal with variation	voting in GA 2017 Finland	call for nominations sept 17 (new structure)
3	review continues until Istanbul 2018	voting for structure in Istanbul 2018	call for nominations sept 2016 for current structure for the next term 2019-22, and in 19/20 call for nominations for chairs elects within the existing/new structure.
4	review stopped/close the task force	current structure continues	call for nominations for 10 commission chairs elects in September 2016



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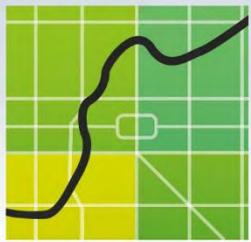


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International Federation of Surveyors  
Fédération Internationale des Géomètres  
International Vereinigung der Vermessungsingenieure

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# **Finance Report**

**Rudolf Staiger, Vice President**

**FIG General Assembly  
2 May 2016, Christchurch, New Zealand**



## This presentation

- Overall financial situation in 2015
  - Adopt audited accounts (16 A)
- Member Association subscriptions 2017 and 2018 (17)
- Budgets for 2016-19 (16 C)



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## Overall situation and trends



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## FIG Financial overview





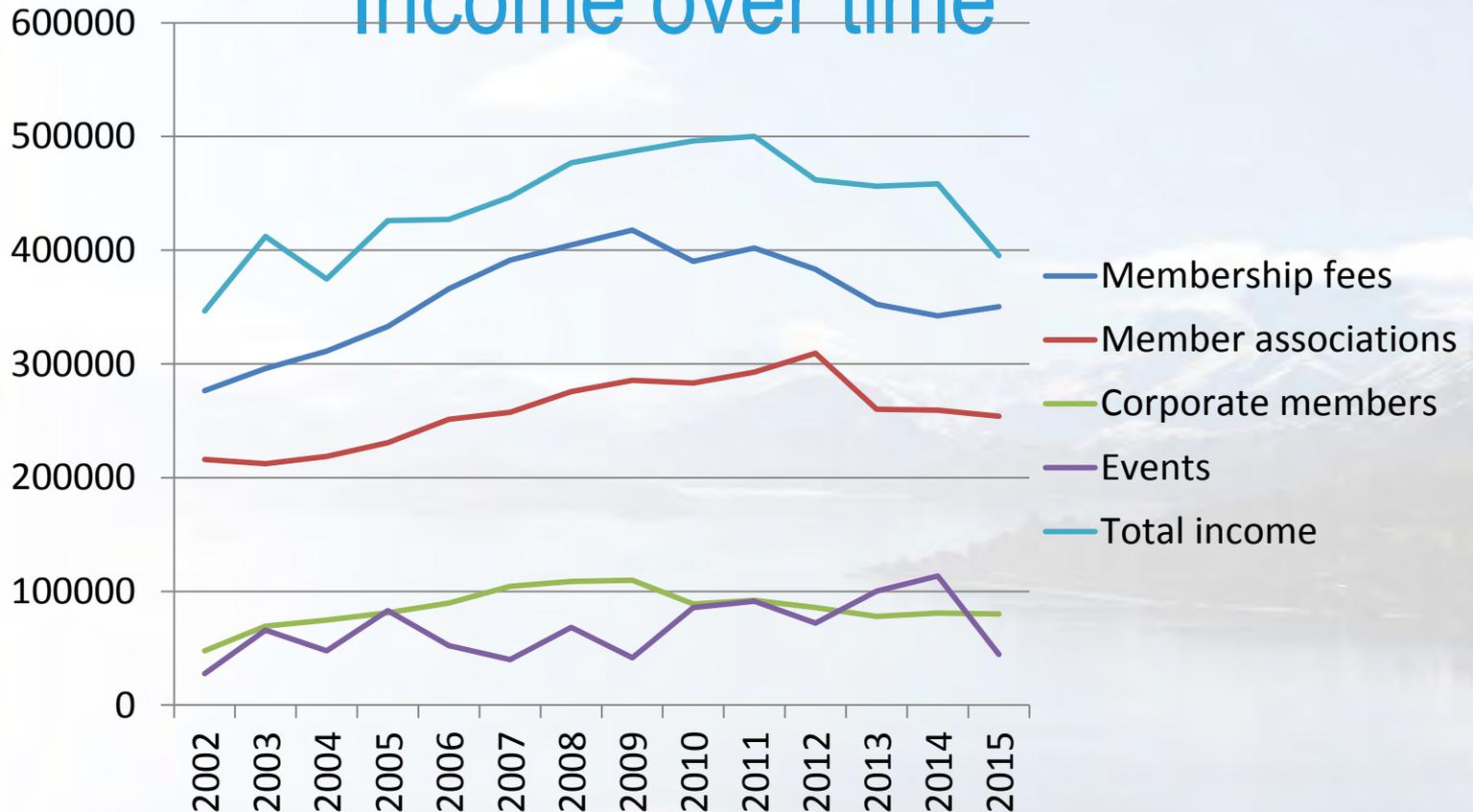
# FIG Working Week 2016

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## Income over time





## Financial performance 2015 (1)

- Subscription income slightly higher than in 2014
  - Lower income from Member Associations (€17,000)
  - Corporate members – stable
  - Less write offs but still high figure (€25,611)
- Income from conference as expected
  - All conference income registered in normal income
- Admin costs lower than budget - tight control



## Financial performance 2015 (2)

- Low interest in general
- Savings in administration
- Large IT development activities and costs
  - Activities postponed from previous years – now in progress
  - Used €20,000 of the IT reserve – down to €30,000



## IT activities implemented:

- New web site – graphics ,IT platform, functionality
- Changes in Conference Systems
- New membership database
- Conference app
- Next steps



## 2015 accounts

- Auditors' opinion – true and fair view
- Surplus ordinary activities (Key measure 1) **€10,799** (budget **€-1000**)
- Overall surplus **€-24,481** (budget **-23,000**)
- Overall surplus incl IT reserve **€-4,481**
- Subscription arrears (2014:€135,987) **€124,139.41**
- **Motion: that the GA adopts the audited accounts for 2015**



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## Subscriptions – agenda item 17



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## Subscriptions

- Maximum level from 2010 – 5,500 members
- Minimum level from 2010 – the greater of 20 members and €50
- Council response on 2017 subscription: no change
- 2018 fee level no change
- (2019 budget includes increase in subscription level)



## Proposed 2017 and 2018 subscription fees

2017	4.48 € per member up to a maximum of 5,500 members.	20 members or 50 € (whichever is greater)	5,500 members (24,640 €)
+	Member associations from countries listed by the World Bank as low-income economies or lower-middle-income economies shall pay 2.24 € per member up to a maximum of 5,500 members.		
2018			



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**Motion: that the GA approves the  
member association subscription rates  
for 2017 and 2018**



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## FIG budget 2015-2018

Annex C to GA finance paper



## Key measures decided by GA

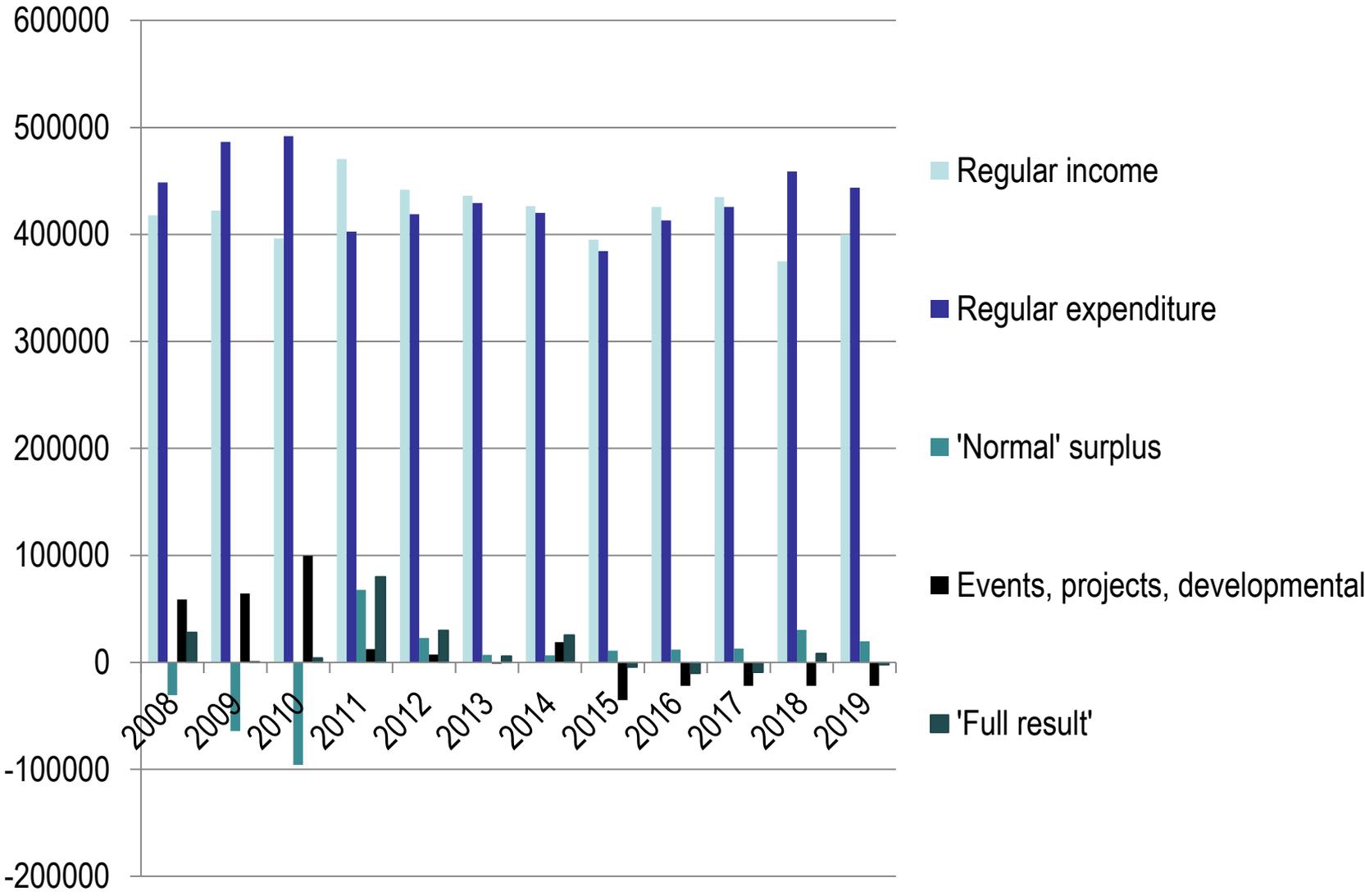
- Regular income exceeds expenditure each year
- An overall surplus is returned over the 4-year period
- General reserve is 90-100% of regular annual expenditure [using 4-year averaging of expenditure]



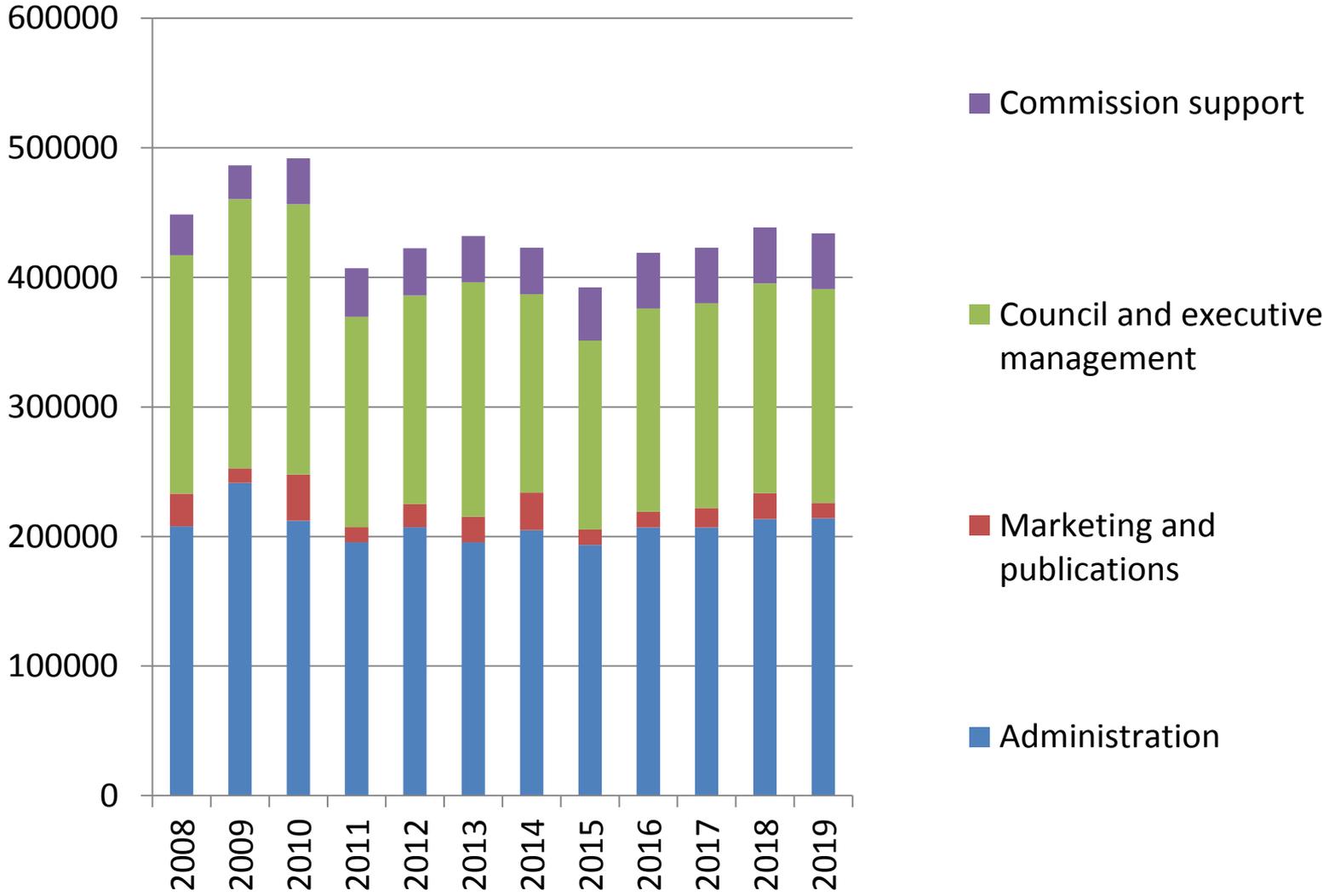
## Key issues 2016-19

- Membership assumed stable (MA, AF and AC)
- Target: more corporate membership (partly in budget)
- If income does not increase activities and expenditure must decline (other income?)
- Continued savings in expenditure (but already savings)
- Collection of subscription arrears
- Hopefully decrease in write-offs

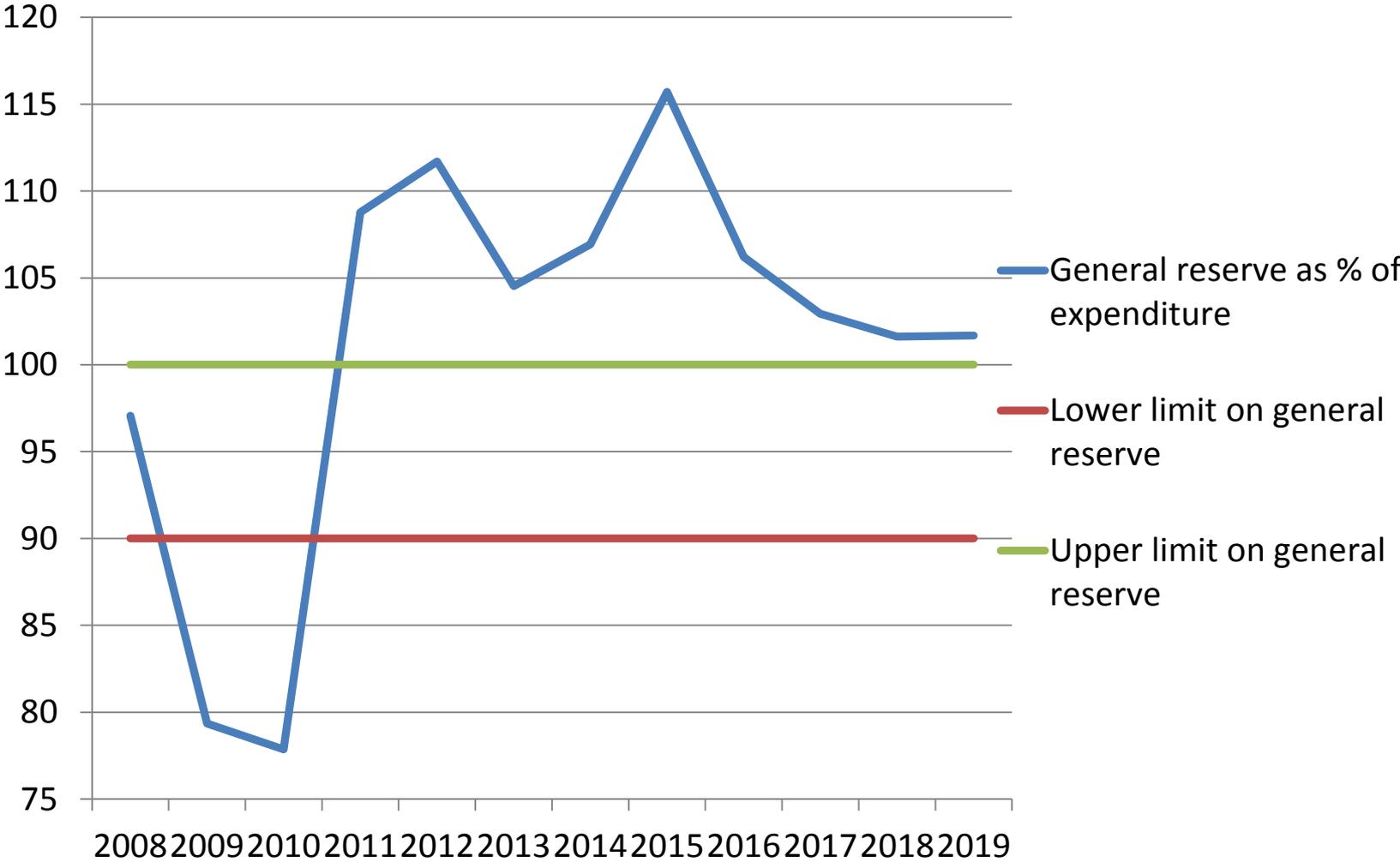
# Budget Overview



# Expenditure Analysis



# General Reserve





# Mikael Lilje Sweden

**FIG Vice President  
Candidate 2017-2020**

Nominated by the  
Swedish Professionals for  
the Built Environment

# Who am I?

- Head of the Department of Geodetic infrastructure at Lantmäteriet (the Swedish mapping, cadastral and land registration authority)
- Active history within FIG since 1998!
- Active in other international organizations as Nordic Geodetic Committee, EuroSDR, EuroGeographics and UN GGIM.
- **Friendly, Approachable, Well known, a “doer”.**
- Extensive knowledge and practical experience with **Commissions’ field of interest, aware of emerging issues**, and also the workings of ACCO and the Office.
- Father to Emma (14) and Jacob (10)



# Looking back on my FIG achievements

- Currently chair Task Force on Commission structure.
- One of the main drivers of FIG Commission 5 since 1998.
- Secretary, co-chair WG, chair WG, Chair of the Commission.
- Personal focus on geodetic reference frames (e.g. SIRGAS, APREF, AFREF, EUREF)
- Another personal focus has been the co-operation with sister organisations and UN agencies as UNOOSA – ICG.

# Technical Seminar on Reference Frame in Practice

4-5 May, 2012, Rome, Italy  
21 – 22 June 2013, Manila, Philippines  
18-20 September 2013, Fiji  
27-28 July, 2015, Singapore  
1-2 May, 2016, Christchurch, New Zealand



# International Collaboration

With **United Nations agencies**

- UN Office for Outer Space Affairs (UN OOSA);  
*in particular the ICG – International Committee on GNSS*
- UN Global Geospatial Information Management (UN GGIM);  
*in particular UN GGIM AP Working Group 1 (Geodetic Reference Framework for Sustainable Development)*

With **international professional organisations** in surveying disciplines as:

- International Association of Geodesy (IAG);
- International Society for Photogrammetry and Remote Sensing (ISPRS) and
- The Institution of Navigation (ION)

# Lets look forward! What do I want to focus on?

- Still very motivated!
- Strongest support from my employer and member organisation.
- We need to make sure that our goals are achievable, we need to have clear objectives and we need to ensure that we use our resources wisely to obtain maximum results.

# Lets look forward! What do I want to focus on?

- I want to ensure and enhance the global profile of FIG! FIG is today recognized as a significant international organization to UN based groups such as UN-GGIM, UN-Habitat and UN-OOSA.
- I want to increase the role FIG plays with other technical or similar international associations such as e.g. the International Association of Geodesy. FIG plays a vital role in the professional development of ALL surveyors and their networks.

# What do I want to focus on within FIG?

- We need to be available at the 'grass root' and operational level for the surveyor, especially in the emerging countries of the world.
- FIG need to facilitate the sharing of knowledge, the education and promotion of the surveying discipline.
- The FIG-logo or badge must be more visual to our members, surveyors and the spatial industry.

# What do I want to focus on within FIG?

- I am of the opinion that FIG can improve its relationship with our Corporate Members so as to motivate them to continue the provision of e.g. financial and technical support, which will ultimately benefit FIG and themselves.
- **We should consider ourselves as a team!**

**Enjoy the Working Week and looking forward discussing further with you!**



**Mikael Lilje**

**Vice President candidate 2017-2020**



**Dr. Orhan ERCAN**  
Candidate



# My Profile Perspective

Vice

**FIG** Presidential  
Election





# My visionary commitments As a Vice-President Candidate

- ✓ Competition for a challenging position
- ✓ Awareness for responsibilities and obligations
- ✓ Readiness for being the FIG Vice-President





# Turkish Citizen Married & 2 children



# My

Personal

The importance of FIG in my life has two essential meanings:

- First from **Professional Point** of view which is very well known for all of us...
- Second from **my Private Life** point of view;

**FIGEN** (my wife's first name)

**SO, ALL MY LIFE PASSES WITH FIG ;-)**

# Profile





# My

Educational

**PhD:** Yıldız Technical University,  
Istanbul / Turkey, **1997**

**Photogrammetry Postgraduate:** ITC / the  
Netherlands, 1988 - 1989

**MSc:** Yıldız Technical University,  
Istanbul / Turkey, 1988

**BSc :** Karadeniz Technical University,  
Trabzon / Turkey, **1983**

# Profile





# My Professional Profile

- **Bureaucrat** of the Turkish Government (General Directorate of Land Registry and Cadastre) for more than 25 years,
  - Realization of diverse cadastre and land administration works
  - Practical involvement in numerous geodetic and surveying infrastructure projects; namely, CORS-TR, NSDI, Land Information System, PPP etc.
- **Academician** and part-time lecturer at the university,
- **Private sector engagements** after retirement (from 2007) based on multiple national and international surveying and regional planning projects
- **Chair** of the International Relations Commission of the Turkish Chamber of Survey and Cadastre Engineers (**HKMO**)





My

Professional  
FIG

Profile

- Congress Director FIG2018
- National Delegate, Turkey
- Member of Task Force on Real Estate Market Studies, 2015-2018
- Member of Commission 7 as a Country Representative, 2012 up to present
- Member of FIG Working Group 5.4, 2003-2004
- Participant to WWs and Congresses, session chair, presenter etc.



# My Institutional Profile

- Collaboration and cooperation
- Creative and innovative engagements
- Teamwork and integration
- Worldwide contacts and connections
- Network of decision makers and experts





My

Thematic

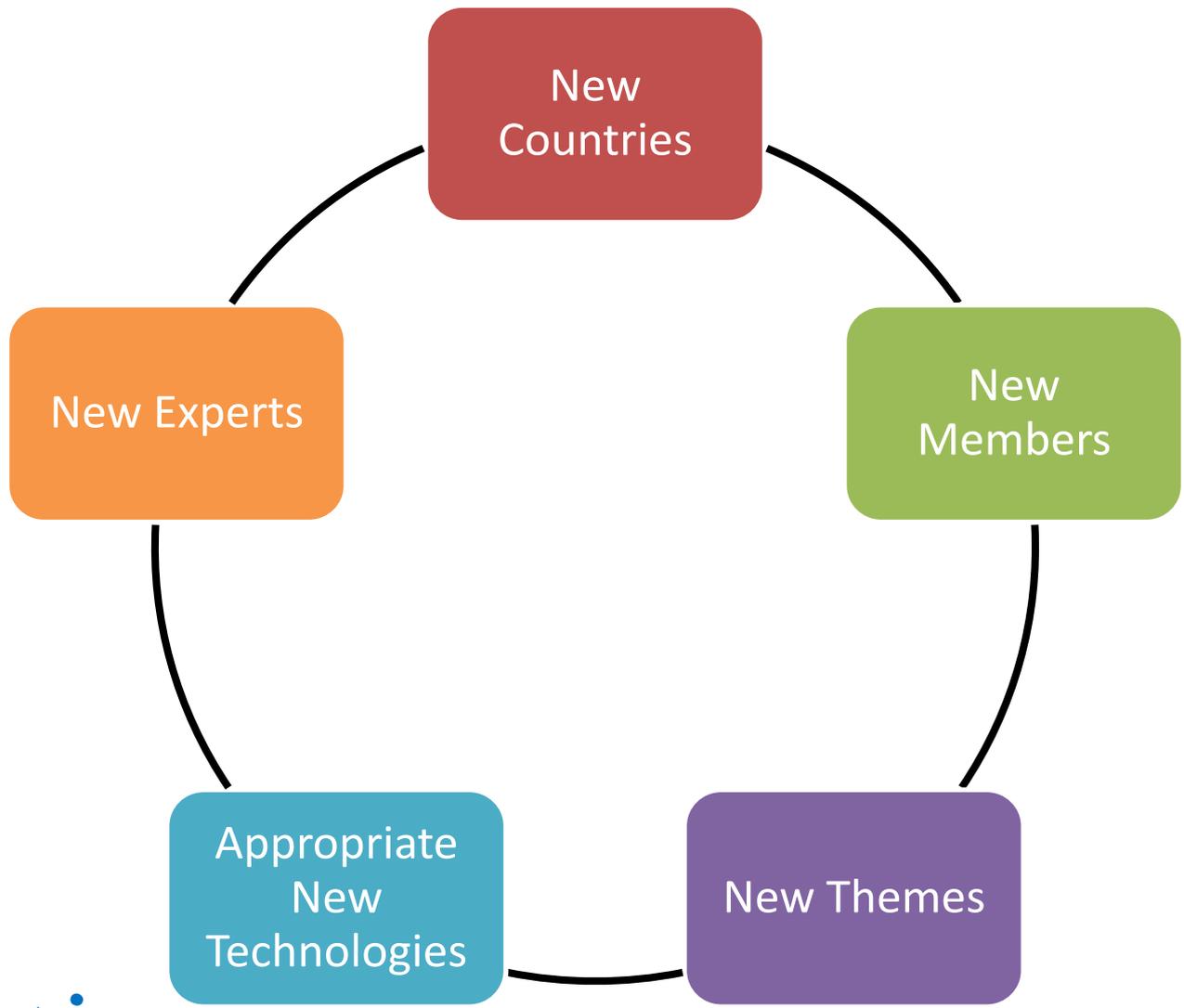
- Urban-rural continuum
- Integration of developed and developing economies
- Including marginal and informal sections
- Intensive Collaboration with experts of new member countries
- Development of appropriate technologies

Perspective





My  
Professional  
Perspective



My

- North- African, Middle-Eastern, Middle-Asian memberships

Institutional

- Quality and quantity management in the FIG membership

- Efficient and effective commitments in the FIG activities

Perspective



Factually, my eagerness for progressive achievements as the Vice President of the FIG primarily confines on globalization of FIG activities. **I am geared towards widening the world of the FIG by translating visionary intentions to missionary actions of the FIG.**

After all; I am personally convinced and that **I am ready to mobilize all my skills and capabilities for the benefit of the FIG and allow myself to promise for further progressive and innovative achievements of the FIG activities in enlarged geographies.**





Lastly

I'd like to take this opportunity to express my respects to the vice presidents **Dr. Phengfei CHENG, China** and **Mr. Bruno RAZZA, Italy** for their hard work and their immense contribution to FIG.

With my best luck wishes to all other candidates....  
and *cordial greetings to voters.*

**Thank you for listening to me**



**HIGHLIGHTS OF PRESIDENTS MEETING IN CHRISTCHURCH 6 MAY**

<b>FIG Working Week 2016</b>	<b>FIG</b>	<b>Survey Profession's Perspective (Focus areas of MA)</b>	<b>YSN</b>
<ul style="list-style-type: none"> <li>• Well organized event (esp. plenary sessions, YSN)</li> <li>• Hard and good work of FIG office and LOC</li> <li>• Engaging the private sectors</li> <li>• Venue of the WW was a challenge and the bus transportation did not work optimally</li> <li>• Good to have such kind of meeting to improve work</li> <li>• Need minutes after the presidents meeting</li> <li>• Need agenda and discussion during the president meeting</li> <li>• Visa problem for Ghana, Nigeria, Kenya</li> <li>• Some sessions have no-shows and inconsistency</li> <li>• Geomatics is only small part</li> <li>• good networking possibilities</li> <li>• Important that member associations send representatives to the WW's</li> </ul>	<ul style="list-style-type: none"> <li>• Some members believe that it is good to discuss and change the structure of FIG; some think that it should be carefully thought through - FIG may lose members.</li> <li>• FIG should work more closely with their members</li> <li>• Have participants photos on FIG website, know each other and have a good network</li> <li>• Task force on strengthening the role of surveyors</li> <li>• A journal for surveyors is important</li> <li>• Hoping for a regional event in Latin America</li> <li>• Encourage all members to engage in ILMS</li> <li>• Photo of members</li> <li>• Advocacy of FIG on international level, the FIG work in UN and WB is important. FIG President opening speech is important. President's speech and FIG reports to be on FIG web site.</li> </ul>	<ul style="list-style-type: none"> <li>• Big competition and low price</li> <li>• Fight against bad laws and try to issue new laws benefitting the profession</li> <li>• Find new ways to approaching members, branching out association and promoting the profession</li> <li>• Some are starting to build a licensed system. But some countries are working on removing the licenses</li> <li>• A need to work on how to keep the specific work of a surveyor</li> <li>• Surveyors lose part of their work to other professional groups because of lack of surveyors</li> <li>• Survey profession need global perspective</li> <li>• Many countries are in lack of surveyors especially young surveyors</li> <li>• Need standard of surveyor profession in EU</li> <li>• Several countries are facing financial problems and the associations are losing members.</li> <li>• Refugees</li> <li>• Digitalisation of data</li> <li>• The international cooperation between the association has great value</li> </ul>	<ul style="list-style-type: none"> <li>• YSN is highly appreciated</li> <li>• Most of MA are very supportive of YSN</li> <li>• Lack of young surveyors</li> <li>• Worried about the perspective of YSN for the high unemployment rate and financial crisis</li> <li>• YSN are the future and should be more considered (salary and profession prospective)</li> <li>• YSN is very strong</li> <li>• YSN is a focus area</li> <li>• YSN 5 years training course</li> <li>• Cooperate with YSN</li> <li>• Some have tried to promote the surveying education in untraditional ways, such as pixi book (Germany), Video (Japan), Untraditional advertisements (Denmark) high school approach (Switzerland, Ghana)</li> </ul>



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# FIG Working Week 2016

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## Commission Report - Overview

- Purpose
- Clarity
- Action
- Outreach



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## Purpose - Engine

- Our commissions are the engine of FIG operating under the FIG current Work Plan
- The work of our Commission Chairs
  - **Program:** covered all key topics and focus work on the Commission working groups
  - **Presentations:** covered up-to date topics and problems, which you often meet in your practice and share outcomes drawing from projects and research (both classical and new-age technologies and methods)
- Inspirational and thought provoking and often welcoming New attendees
- **During 3 days there were 72 Technical sessions** (+ Network/ Members/ Task Force/DG/ Special mtgs/ Platinum Corporate seminars)



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## Commission 6 - More than 80 participants to a session



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## Clarity

### Challenges

- No- shows: Authors did not show-up to present
- Themes: Are increasingly challenged by the need to address topics from a broad spectrum especially Comm 1 and 2

### Working to overcome:

- Submitted papers are on the web
- FIG continues to utilize a rigorous process to secure commitment from authors
- Cross commission working

And,

- **Chairs Annual meetings discuss:**
  - The Commissions' matters arising
  - the outcomes from the Commissions work 2015/2016
  - the forthcoming symposiums and workshops 2016/2017



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• **And, our WW 2016...**



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**The technical sessions: covered up-to date topics to explore new advances, share problems and explore solutions,**



Images from Commission 4 and 10



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**Action: Each presentation was followed by discussions and exchange of information contributing to further development of the presented work.**

For example, Commission:

- **1 on Professional matters-** explore common baseline for professional and technician education standards in more detail (modeled on FIG/IHO)
- **2 on professional education-** distance and online education continue to be crucial particular for continuous professional development.
- **3 on spatial data infrastructure-** reports significant results coming from the latest research about how we collect, compare, control and manage data. Specifically the working groups will identify systems that facilitate the transition from the considerable amount of data to be selected and controlled to the availability of useful, accurate and of quality spatial information.
- **4 on Hydrographic Surveying-** Reinforced the contributions to the sustained management of our Sea's and Oceans AND harnessing the data collected for science and the data collected for Hydrography.



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## .....Action

, For example, Commission:

- **5 on positioning and measurement** - Interest for kinematic reference frames is growing AND the often quote gap.. The need for surveyors e.g in Terrestrial laser scanning
- **6 on engineering surveys** - in their engineering projects; disaster prevention and recovery, early-alarm systems, autonomous machines remain high on the agenda
- **7 on cadaster and land management** launch of Fit For Purpose guidelines (Enemark, McLaren, Lemmen) Preparations for LADM Edition II in co-operation with the FIG Standards Network pilot for platform for emergencies and disasters in Colombia [www.pointshare.org](http://www.pointshare.org)
- **8 on spatial planning** – Exploring spatial planning includes land, water and other natural resources
- **10 on Construction** – Overwhelming interest on BIM



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## Clarity & Action &.....

### Visibility:

- Ms Margareta Wahlstrom the Key Note challenge!
- **Comm 7** articulated that surveyors are key players in disaster management and play an important role as to be seen from various presentations from all over the world.  
***“However the visibility among civil society and in the public is not yet given”.***
- **Comm 1** - The profession needs **proactive promotion to the next generation** and to society to demonstrate our diversity and also to welcome diversity in gender equity,
- This requires modern, relevant branding; individual members are producing high quality accessible promotional material; and there is no need to reinvent wheels.



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from disaster

## Outreach: Cross FIG Working

- **Comm 4** Follow up on promoting the importance of the Blue Economy for sustainable development, a one day workshop on Blue Economy during the Ocean Business conference in April 2017 inviting other commissions.
- **Comm 8** working with Africa Regional Network November 2016
- **Comm 9** is coordinating on a Joint Comm 7 & 9 Workshop in Columbia.
- **Comm 10** is a subject matter that draws interest across all discipline exploring with YSN a Pre-FIG WW seminar on BIM at Helsinki in May 2017
  
- And, our other technical commissions **3,5,6,7**



# FIG Working Week 2016

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## Outreach: International & Partner working

- **FAO:** Voluntary Guidelines on the Responsible Governance of Tenure (VGGTs): **Comm2/ Academic Members** present at the FIG Academic Members Forum formed a working group to explore the VGGT from a surveying (and land professional) perspective. The outcome of this exploratory research during the FIG Working Week in Helsinki 2017
- **UN GLTN** Workshop in Athens in September 2016 attended by **Comm 9**
- International Coalition on Ethical Standards **Comm 1** continue to encourage additional member Associations to join.



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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## It is Work and Play!



Thank you for your  
attention

D. Dumashie FRICS  
VP FIG



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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

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# FIG Working Week 2016

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THE FIG FOUNDATION

## Update FIG Foundation

Friday, 6 May 2016

John Hohol, President



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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

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from disaster

Thank you for your donation to the Foundation  
during the FIG Working Week!

Your Registration Fee



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# FIG Working Week 2016

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## Participating in the FIG Foundation Dinner



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# FIG Working Week 2016

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from disaster

## Participating in the FIG Young Surveyors Charity Run/Walk

69 participants  
+ 1 child  
+ 1 dog



The FIG Young Surveyors Network contributed 2000+ euros from the 3<sup>rd</sup> FIG Young Surveyors Conference and CharityRun/Walk in support of the FIG Foundation and MapAction



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# FIG Working Week 2016

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Recovery

from disaster

And those who have also generously given a donation through the additional donation option



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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

Awofeko Abiodun	Nigeria	5
Brock John	Australia	50
Camilleri Randolph	Malta	20
Dabiri Thomas	Nigeria	10
de Zeeuw Kees	Netherlands	25
Dijkstra Paula	Netherlands	25
Gertrude Njar	Nigeria	20
Jibril Ibrahim Usman	Nigeria	100
Leiknes Arve	Norway	50
McKenna John	United States	10
Nilipovskiy Vasily	Russian Federation	20
Smejkal David	Czech Republic	25
Doytsher Yerach	Israel	100
Foster Robert W.	United States	100
Hohol John	United States	100
Kaufmann Juerg	Switzerland	25
Lemmen Christiaan	Netherlands	25
van der Molen Paul	Netherlands	175
Abu Bakar Rabieahtul	Malaysia	10
Unger Eva-Maria	Austria	50
Dalmasso Alessandro	Italy	10
Dijkstra Paula	Netherlands	5
Hohol John	United States	25
Juulsager Torben	Denmark	10
Stuedler Daniel	Switzerland	40

from disaster

24 generous donators = 1035 euros



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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster



## FIG Foundation Board of Directors

John Hohol (USA), President

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Charter FIG Foundation Partner



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# Regional Capacity Development Network

Dr Diane Dumashie  
Chair

**FIG General Assembly, Christchurch, New Zealand  
6<sup>th</sup> May 2016**



Regional Capacity Network [www.fig.net/organisation/](http://www.fig.net/organisation/) network



# Africa Regional Network 2015 Workshop: Nairobi, Kenya

**Challenges and Opportunities  
in Facing the SDG's:**

**Generational Diversity and Technology in  
the Land Professionals Sector**



Hosted and Supported by  
the FIG Family.....



# ARN next steps



- **Nairobi Workshop 2015 , Kenya**  
Listened and received comments,
- document to be finalised and
- *Uploaded and accessible to all.*
- YSN/Africa will formalise their Africa chapter and roll- out their Mentoring program
  
- **Workshop 2016, West Africa**  
preparations with partners underway



# Regional Proposal- Pacific Island Countries and Territories

- Progress with PICTs Region
- Council approved in principle & work plan finalised in May
- Early lead: Pacific Geospatial & Surveying Council (PGSC) outreach to UN GGIM/AP

## Aims to enable:

- A framework to provide sustainable resource base to support geospatial and survey activities
- Consideration to broaden to other FIG disciplines
- A self reliant community that has a culture of learning, innovation, collaboration and gender equality activities

# FIG SIDS Workshop and Declaration

- 34 participants including from PICs, Caribbean, Zanzibar.

## Clear message

- Need for capacity building, knowledge sharing and partnerships.

### FIG Christchurch Declaration:

#### *Responding to Climate Change and Tenure Insecurity in Small Island Developing States: The Role of Land Professionals*

We the participants of the FIG Small Island Developing States workshop held in Christchurch from April 30 to May 4, acknowledge the inherent diversity between SIDS countries in governance, rate of urbanisation, population density, geomorphology, exposure to natural hazards, and land tenure arrangements. We are also cognizant that SIDS share many common characteristics of small population, their dispersed nature and physical isolation from markets, high levels of exposure to the impacts of climate change and natural hazards, and severe limitations in capacity. We recall the SAMOA Pathway declared SIDS remains a special case for sustainable development in view of their unique and particular vulnerabilities.

We reaffirm the significance of the 2030 Agenda for Sustainable Development and the associated goals, targets and indicators in efforts to reduce poverty, protect human rights, promote gender equality, and protect natural resources.

We recall the 2010 FIG Sydney Agenda for Action, the 2013 FIG Suva Statement on Spatially Responsible Governance that, together with the 2015 United Nations Resolution on Global Geodetic Reference Frame, established a clear framework for developing capacity in land governance within Small Island Developing States (SIDS), and the roles and responsibilities for land professionals and practitioners.

We acknowledge the unprecedented global momentum to improve security of land and natural resources tenure and reaffirm the importance of the Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests (VGGTs), the Continuum of Land Rights and the Global Land Tool Network's suite of pro-poor and gender-responsive land tools.

We, hereby issue this FIG Christchurch Declaration on Responding to Climate Change and Tenure Insecurity in Small Island Developing States: The Role of Land Professionals, and resolve to:

#### Address climate change, natural disaster and urbanisation challenges and vulnerabilities through:

- Advocating for the adoption in national policy and legal frameworks relevant international instruments, including the *Sendai Framework*, the *United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP)*, the *Convention on the Elimination of all Forms of Discrimination Against Women (CEDAW)*.
- Advocating for land policy and legal frameworks informed by the VGGTs that recognise, respect and safeguard all legal and legitimate tenure rights, provide access to justice to resolve land disputes, are pro-poor and gender-responsive, and provide for effective and participation by all.

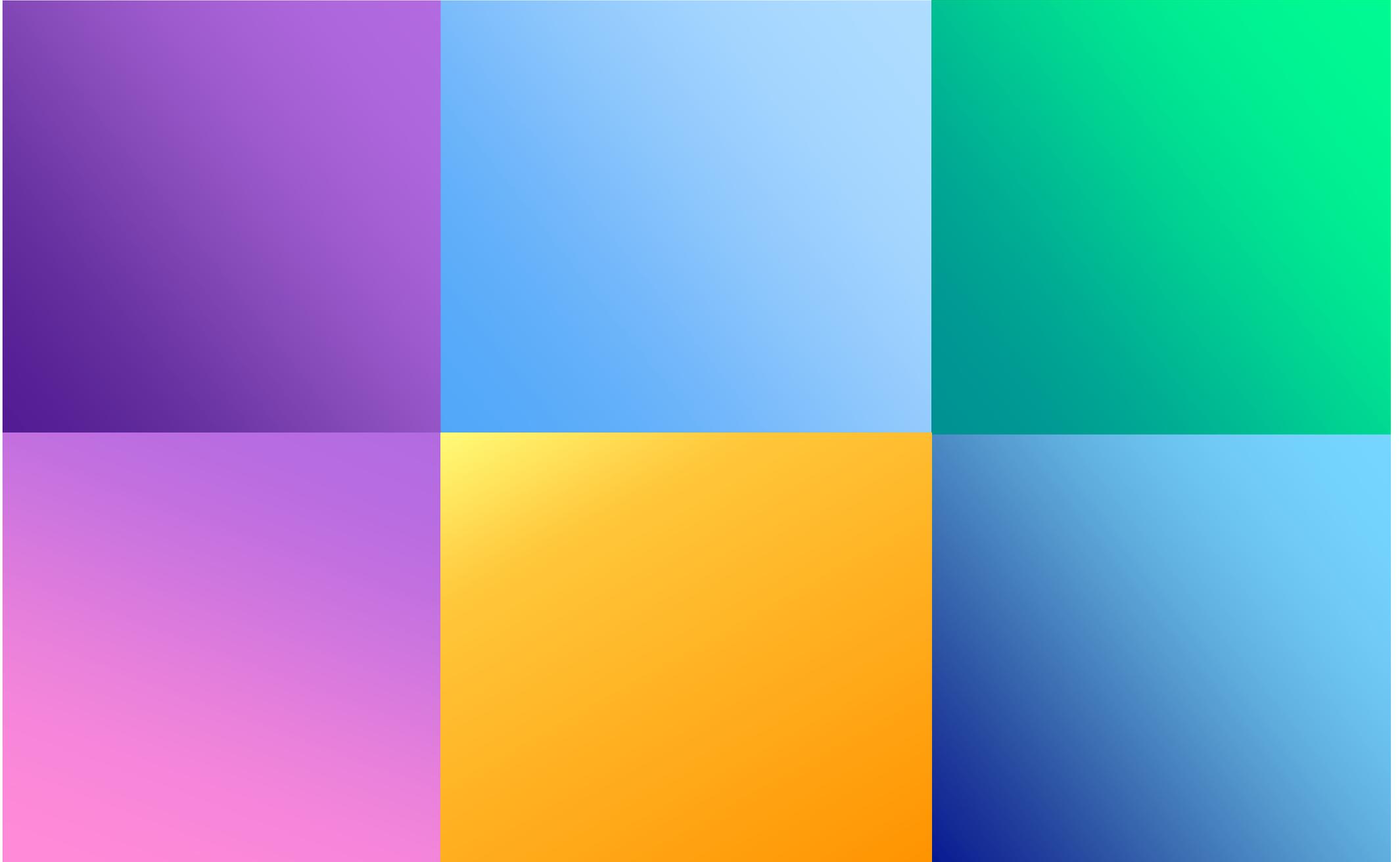
# Thank you for your attention

- Chair: Dr D Dumashie
- [www.fig.net/organisation/networks](http://www.fig.net/organisation/networks)





# FIG YOUNG SURVEYORS NETWORK





#surveyorbyday  
superhero bynight



FIG Young Surveyors Network  
Charity Run ❤️





#SurveyorsByDaySuperheroesByNight





[#SurveyorsByDaySuperheroesByNight](#)



#SurveyorsByDaySuperheroesByNight





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## Update FIG Task Force on Corporate Members

Friday, 6 May 2016

John Hohol, Co-Chair



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# FIG Working Week 2016

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from disaster



## Discussed Task Force at FIG Corporate Member Meeting



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# FIG Working Week 2016

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from disaster



FIG Platinum Sponsors  
invited as Observers to  
FIG Directors General Forum and Presidents Meeting



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# FIG Working Week 2016

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from disaster



Facilitate increased involvement between  
FIG Corporate Members and FIG Commissions



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# FIG Working Week 2016

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FIG Platinum Corporate Members provide input on future venues for FIG Working Weeks and Congresses



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# FIG Working Week 2016

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## Establish FIG Corporate Member Advisory Board

composed of key executive-level (CEO, President, Vice President) members  
working directly under the auspices of the FIG Council  
to communicate and provide assistance and input under the direction of the council



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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster



## Expand participants on Task Force



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# **FIG Scientific Journal**

**Task Force session on Wednesday, 4 May**

**Conclusions/Recommendations**

# Participants

**In an alphabetic order:**

- **Yerach Doytscher, Israel**
- **Christiaan Lemmen, the Netherlands**
- **Mohsen Kalantari, Australia**
- **Alojz Kopacik, Slovakia**
- **Paul van der Molen, the Netherlands**
- **Michael Olsen, United States**
- **Volker Schwieger, Germany**

# A new FIG Journal

- ❑ FIG covers too many topics to be included in one journal
- ❑ A scientific (FIG) journal which is not focusing on a specific topic might prevent potential readers to use it
- ❑ The Impact Factor of a journal is dependent on its number of readers (number of citations of its papers)
- ❑ A regular journal with 2-3-4 issues a year requires at least ~ 30-50 accepted papers per year
- ❑ Based on the current number of submitted (and accepted) papers in the full-peer-review channel to our annual events – this is not a reachable target

# Recommended Solution

The interim solution presented on Monday at the previous GA looks as the best and (probably) the final solution.

**“Reaching an agreement with several existing journals to publish special issues from time to time within their framework according to pre-defined principles”**

# Operational actions (1)

- ❑ **Appoint an editorial board of 4-5 members (covering all topic within FIG activities)**
- ❑ **A call for reviewers (20-25) should be issues by the office**
- ❑ **The list of members of the scientific committee (editors + reviewers) should be published (annually or per event)**
- ❑ **Before an event the editorial board should agree with specific journals on publishing special issue/s composing good papers of the event**

## Operational actions (2)

- ❑ The attendees of an annual event should be informed in advance as to the journals that will publish special issues
- ❑ The review process should be stricter (our estimation: probably only 40-50% of the current accepted papers could be accepted for a journal)
- ❑ The two current channels for submitting papers for the annual event will remain unchanged
- ❑ Papers for the full-peer-review channel should be evaluated for the journals

# Operational actions (3)

- ❑ **Only good high level papers should be accepted; the review should be handled on a journal reviewing level (not on a tight schedule - as was the case so far)**
- ❑ **The Task Force is authorized to continue its work:**
  - ➔ **Recommend the structure of the editorial staff**
  - ➔ **Recommend the structure of the review process (including detailed guidelines)**
  - ➔ **Be in touch with several journals in order to reach pre-defined agreements**

# Potential Journals (initial list)

- Survey Review
- Land Use Policy
- Journal of Applied Geodesy
- Journal of Surveying Engineering (ASCE)
- Computers, Environment and Urban Systems
- Nordic Journal of Surveying and Real Estate Research
- Survey and Land Information Sciences
- ..... (others)

# Initial Recommendations

- ❑ **The Task Force will continue its activity, analyse all the implications, and submit recommendations within 6-12 months to the council**
- ❑ **Based on the council's comments, the Task Force will prepare a final report to be presented at the GA in Helsinki in 2017**



# FIG Working Week 2016

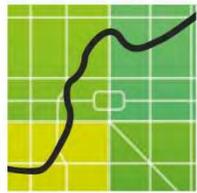
CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## Task Force on Commission Structure

- Review of the activities during the week  
(Chair Mikael Lilje)



# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## Four Options Presented at General Assembly Monday 2 May

1	discussion paper (including minor edits) agreed	voting in GA 2017 Finland	call for nominations sept 17 (new structure)
2	Proposal with variation	voting in GA 2017 Finland	call for nominations sept 17 (new structure)
3	review continues until Istanbul 2018	voting for structure in Istanbul 2018	call for nominations sept 2016 for current structure for the next term 2019-22, and in 19/20 call for nominations for chairs elects within the existing/new structure.
4	review stopped/close the task force	current structure continues	call for nominations for 10 commission chairs elects in September 2016



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# FIG Working Week 2016

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Recovery

from disaster

## After discussions: two possible options

1	discussion paper (including minor edits) agreed	voting in GA 2017 Finland	call for nominations sept 17 (new structure)
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# FIG Working Week 2016

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Recovery

from disaster

## Next Steps

Forward direction: Engagement with two options

In both timelines for request for chairs elects nominations will be September 2017



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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## Option 2

May to December 2016:

- Review fully comments heard at Working Week 2016
  - Invite MA additional proposals
  - Opportunities for Regional Discussion
  - Your responsibility to engage
  - Proposal ready by end of 2016
- 
- Target: proposal finalised for Vote in 2017



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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

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If Not.....



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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2–6 MAY 2016

Recovery

from disaster

## Option 3

- If proposal is not ready then extend consultation to:  
Option 3 May 2016 to December 2017
- As noted before AND continue:
  - engagement at WW Finland
  - consultation throughout 2017
- Target: proposal finalised for Vote in 2018 in Istanbul



# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster



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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster



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**FIG Task Force on**

**FIG Commission Structure**

**Report to Second General Assembly**

Mikael Lilje, Chair of the Task Force



# During the week...

Individual discussions as well as discussions at

- First General Assembly
- ACCO-meeting
- Open Meeting (Wednesday)
- Member Association Forum

The task force would like to thank for all the valuable contributions during the week.



# Noted during the week...

- A review has been welcomed.
- The proposal as is has not been accepted even though it has been noted that the proposal includes some good thoughts.
- The proposal has though created good discussions on the FIG Commission structure
- The suggested Selection Review Team as proposed is accepted.

## **Also during the week...**

- The task force has had a meeting during the week to summarize comments heard and where we are in the process.
- Our recommendations were then presented to the Council for consideration and decision.



# FIG Working Week 2016

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Recovery

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## Task Force on Commission Structure

- Review of the activities during the week  
(Chair Mikael Lilje)



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CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

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# FIG Working Week 2016

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# Corporate Members Meeting



# Working Week Christchurch

AV



Visa Process



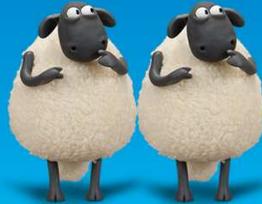
Use of Space



Wireless



Conference App



Food



# Working Week Christchurch

Sessions



Plenary Speakers



Organization

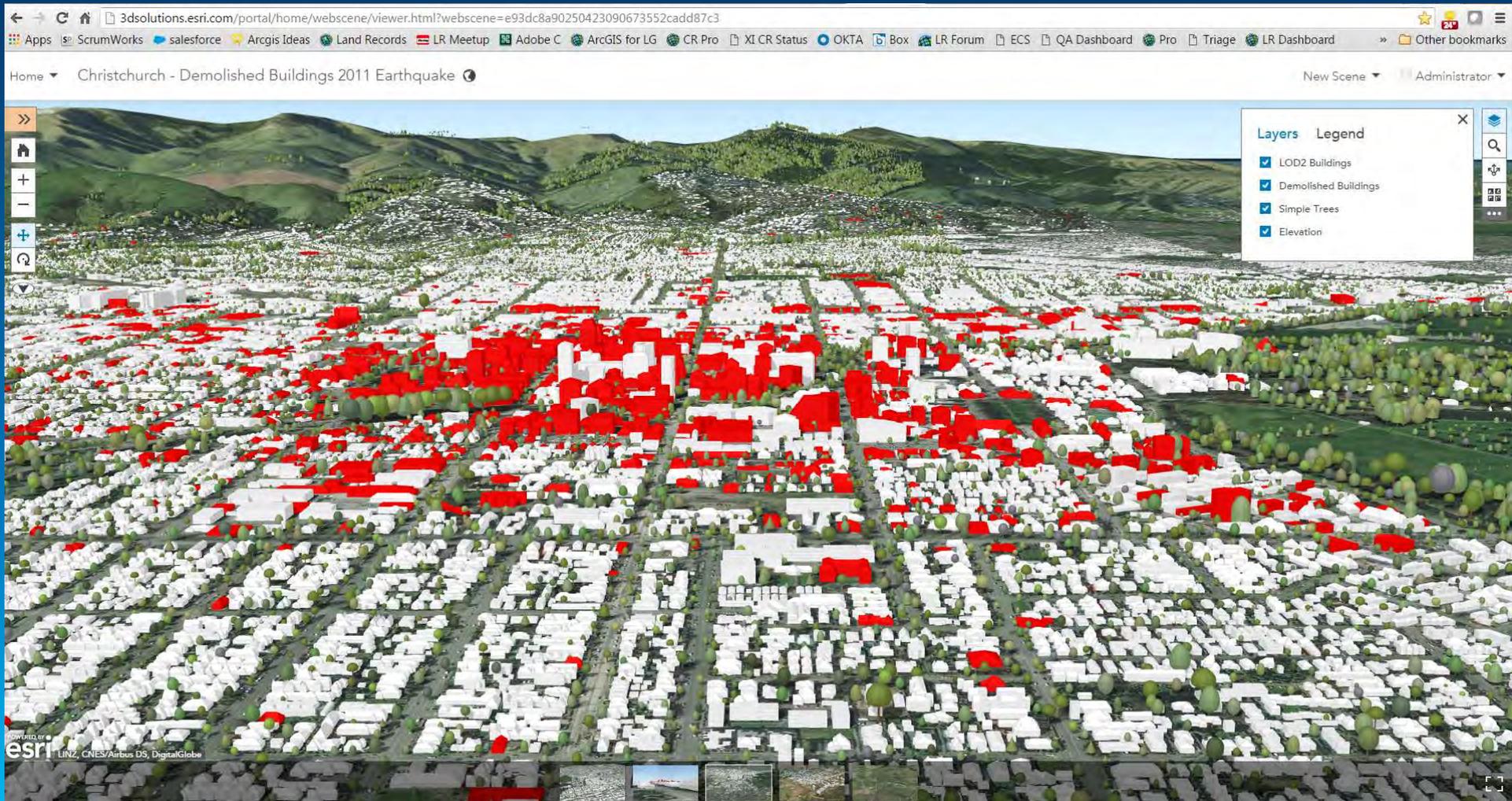


Local Organizing Committee

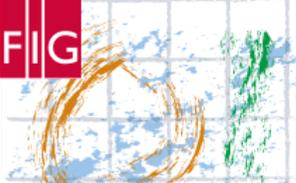


# Christchurch gets a little pass.....

3D - Data kindly provided by CERA and AAM Ltd



# Reports



**FIG WORKING WEEK 2017**  
Surveying the world of tomorrow –  
From digitalisation to augmented reality  
May 29 - June 2 **Helsinki Finland**



**FIG 2018  
Istanbul**

*Let's Meet in Istanbul*



# Pre-Conference Seminars

## Small Islands Symposium

## Reference Frames

### SIDS WORKSHOP

Responding to Climate Change and Security of Tenure in Small Island Developing States:  
The Role of Land Professionals

### FIG COMMISSION 5 TECHNICAL SEMINAR ON REFERENCE FRAMES IN PRACTICE

- REFERENCE FRAMES, DATUM UNIFICATION AND KINEMATICS



# Corporate Members Task Force

Platinum Conference Sponsors



Platinum Corporate Members



Corporate Members – 24 (+2)



**Tell us who we should be recruiting.**

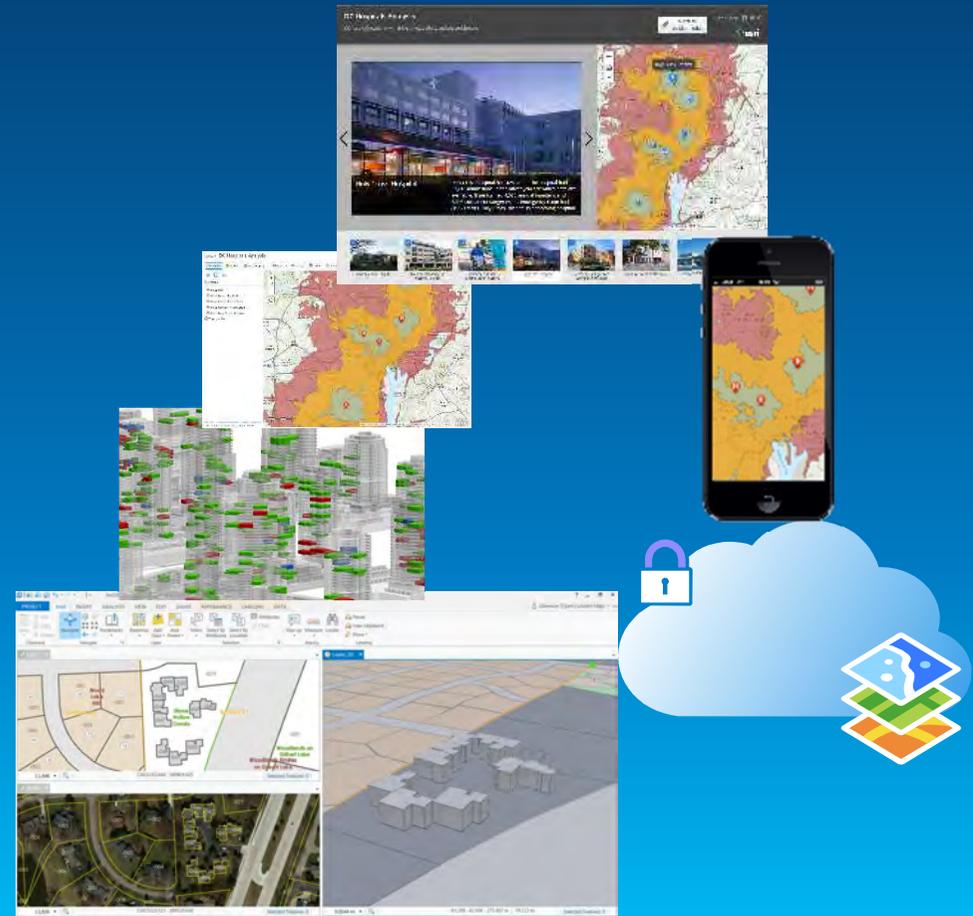
# Technology Briefing for DG's

Trends

Common Challenges

What's Working

What's Not





# Young Surveyors Network

Eva-Maria Unger

Paula Dijkstra

Melissa O'Brien



**Kia Ora  
New Zealand!**





## Corporate Members





CONGRESS & GENERAL ASSEMBLY OF THE  
INTERNATIONAL FEDERATION OF SURVEYORS  
FIG2018  
6-11 MAY 2018, İSTANBUL

## **OVERVIEW**

- **Domestic Promotional Activities**
- **International Promotional Activities**
- **FIG2018 Web Site**
- **Project Plan**
- **Theme and Motto**
- **Congress Venue**

# TRANSPORTATION

**THY will be our official airlines  
for FIG2018**



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Ref: B.02.2.THY.0.10.01.01/  
Subject: FIG CONGRESS 2018

**İSTANBUL**  
06/14 2016

Orhan Ercan  
Congress Director  
International Federation Of Surveyors  
Kalvebod Brygge 31-33  
Copenhagen / DENMARK

On behalf of Turkish Airlines, the national flag carrier of Turkey and member of Star Alliance, we are delighted to offer our full support to FIG CONGRESS 2018 for which İSTANBUL is candidate to host in 2018.

Should İSTANBUL be granted to host "FIG CONGRESS 2018", Turkish Airlines will offer discounted air fares up to %20 on Business Class and up to %15 on Economy and Comfort Class as the event official airline and its global expertise in all aspect of airlines operation and services to all participants attending the event. Some complimentary tickets for the Executive Managers and Board of Director Members may also be offered.

Turkish Airlines serves to 285 destinations, including 236 international and 49 domestic lines through over 311 aircrafts and possesses a strong network in Europe, Russia, Central Asia, Far East Asia, Middle East, Africa, North and South America.

Turkish Airlines was awarded the "Best Airline in Europe", as per the results of Skytrax 2015 classifications for the fifth year in a row.

Turkish Airlines would like to welcome FIG CONGRESS 2018 in İSTANBUL in 2018. If you have any questions please do not hesitate to contact us.

We look forward to welcoming your prestigious event and delegates to İSTANBUL and working in close cooperation with you to make your event a most successful one.

TURKISH AIRLINES INC.

  
Nesrin GÜLELY  
Group & Conventions Manager

  
Fuat FIRAT  
Sales Director

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A STAR ALLIANCE MEMBER 



**THY will offer full support to  
FIG2018 Congress**



# TURKISH CONVENTIONS

FLY TO MEET

## EUROPE

WALSBERG	BUCHAREST	GOETTERBURG	MALAGA	PORPO	TALLINN
AMSTERDAM	BUDAPEST	GRATZ	MANCHESTER	PRISTINA	TELAVIV
ASTANA	CATANZA	HAMBURG	MASSELLA	RIJA	THESALONIKI
ATHENS	CHIRMALLE	HANNOVER	MILAN	ROGAL	TIRANA
BADEN-WEIN	COLOGNE	HILSHOF	MUNICH	ROSTOV	TOULOUSE
BARU	CONSTANTA	PARAG-FRANKFURT	MUSKA	SARAJEVO	TURIN
BARCELONA	COPENHAGEN	KAZAN	MOSCOW	SARAJEVO	UKR
BAR	ONEPROPETROVSK	KHMERSON	MUNICH	SALZBURG	VALENCIA
BASLE	DONETSK	KYIV	MUNSTER	SANTAGO DE	VARNA
BATLIM	DUBLIN	KODICE	MUNICHHEVIM	COMPOSTELA	VICENZA
BELGRADE	DUBROVNIK	LEDZOA	NAPLES	SARAJEVO	VILNIUS
BERLIN	DUISBURG	LEIPZIG	NICE	SARAJEVO	VIENNA
BILBAO	EDMUND	LISBON	NOVOSEBESK	SMYRNOI	WARSAW
BILUND	ERATER NEMIRG	LIJELJANA	PARISBERG	SOCHI	ZAGREB
BIRMINGHAM	FRANKFURT	LIJEDON	QINDSA	SOPIA	ZAGREB
BOLOGNA	FREIBURGHAFEN	LIJEDON	QINDSA	ST. PETERSBURG	ZAGREB
BORDO	GENEVA	LIJEDON	QINDSA	STAVROPOL	ZURICH
BREITEN	GENEVA	LYON	PARIS	STAVROPOL	
BRUSSELS	GENEVA	HAMBURG	PODGORICA	STUTTGART	

## ASIA

ABU DHABI	KATHMANDU
ADDIS	KERMANSHAH
AHIZ	KHARAK
AKINC	KUALA LUMPUR
AL-DUSSER	KUWAIT
ALGERIA	LAKHORE
ALMATY	MADRID
ANKARA	MALE
ASHGABAT	MANILA
ASTANA	MASHHAD
BAGHDAD	MAZAR-I-SHARIF
BAHRAIN	MOSCOW
BANGKOK	MUMBAI
BATAVIA	MUSCAT
BEIJING	NAGASAKI
BERLIN	NEW DELHI
BIRJEN	OSAKA
BOGOTA	QING
DAMMADUS	RIYADH
DAMMADUS	SANAA
DHAKA	SEOUL
DOHA	SHANGHAI
DUBAI	SHARJAH
DUSHANBE	SINGAPORE
EGRE	SULAYMANIYAH
GUANGZHOU	TAIPEI
HANOI	TAGBIRI
HONG KONG	TAMPEI
IRRAWADDI	TASHKENT
JAKARTA	TEHRAN
JEDDAH	TEL AVIV
KARU	TOKYO
KARACHI	ULANBATOR
	YANGU

## TURKEY

ADANA	ISTANBUL
ADYARAN	IZMIR
AGRI	KAHRAMANMARAS
AMASYA	KASTAMONU
ANTALYA	KAYSER
BATHAN	KOCNELI
BENGOL	KONYA
BODRUM	KUTAHYA
BURSA	MALATYA
CHANKIRALE	MARDIN
CORLU	MUS
DALAMAN	NEVSEHIR
DENIZLI	ORDU-GRESUM
DYADIM	SAMSON
EDIRNE	SEIR
ELAZIG	SIVRIS
ERZURUM	SIVRIS
ESKISEHIR	SANLIURFA
GAZIANTEP	SIRAN
HAKKARIE	TONAT
HATAY	TRABZON
IGDIR	USAK
ISPARTA	VAN

## AMERICA

ATLANTA
BOGOTA
BOSTON
BUDNOS WRES
CHICAGO
HONOLULU
LOS ANGELES
MIA
MONTREAL
NEW YORK
PRINCE
SAN FRANCISCO
SÃO PAULO
TORONTO
WASHINGTON

## AFRICA

ABIDJAN	BATH	DUBAI	INDRAJARD	INDAANDIA	TRIPOLI
ADEN	BENHAZI	DOJALA	IRISSA	IRISSA	TUNIS
ACCRA	CAIRO	DURBAN	JEDDO	JEDDO	YAKINDI
ADDIS ABABA	CASABLANCA	DUTTE	LEWELI	LEWELI	
ALGERIA	CONSTANTINE	JOHANNESBURG	MAUNTEUS	MAUNTEUS	
ANTANANARIVO	COTONOU	KANO	MADAGASKAR	MADAGASKAR	
ASHARA	DAKAR	KHARTOUM	MOGADISHU	MOGADISHU	
BAHRAJ	DUR DE SALAH	KHARTOUM	MOGADISHU	MOGADISHU	

WIDEN YOUR WORLD





General Assembly and Congress of The  
International Federation of Surveyors (FIG)  
6-11 May 2018, ISTANBUL

## DOMESTIC PROMOTIONAL ACTIVITIES!

### With Public;

- Meeting with Director Generals/Deputies of Public Organizations and Department heads of Universities *February 2015*
- Interministries Board of Mapping Affairs *April 2015*
- World Cadaster Summit *April 2015*
- 15th Surveying Scientific and Technical Congress *March 2015*
- Visits to public institutions *Januray 2015 to present*

### With Universities;

- Selçuk University Meeting *March 2015*
- Karadeniz Technical University Meeting *April 2015*
- Kayseri University **Young Surveyors Day** *May 2015*
- Summer Training Camp *September 2015*
- İstanbul Technical University *November 2015*
- Yıldız Technical University *November 2015*
- Bülent Ecevit University *March 2016*
- Kocaeli University *March 2016*



this time  
istanbul



## Organizational;

Local Organizing Committee Established

- *February 2015*

## Congress Company Selected (PCO)

- *April 2015*

## National Advisory Board meetings

- *December 2015*
- *February 2016*

## Meeting with Private Sector

- *June 2015*

## Published;

- Mapping Magazine FIG Special Edition was published  
*January 2015*

# General Assembly and Congress of The International Federation of Surveyors (FIG) 6-11 May 2018, ISTANBUL





General Assembly and Congress of The  
International Federation of Surveyors (FIG)  
6-11 May 2018, ISTANBUL

## MEETINGS AND INTERNATIONAL PROMOTIONAL ACTIVITIES!

### Meetings With FIG;

- Meeting & Istanbul Site Visit *September 2014*
- Kick-off meeting in Athens *January 2015*
- Meeting at FIG2015 Working Week *May 2015*
- Meeting in Stuttgart *September 2015*
- Meeting in Denmark *January 2016*

*Work plan, budget, splits of responsibilities, congress venue, motto,  
objective of Istanbul declaration, social activities etc..*



this time  
istanbul



General Assembly and Congress of The  
International Federation of Surveyors (**FIG**)  
**6-11 May 2018, ISTANBUL**

## International Promotion;

- Meeting with Arab Union of Surveyors (Rabat)
- Meeting with UMG (Rabat&Paris)
- Meeting with ONIGT (Rabat)
- Meeting with CLGE (Moscow, Istanbul and Tirana)
- Meeting with DVW (Intergeo – Stuttgart)
- Meeting with Danish Association of Chartered Surveyors (Ddl)
- Meeting with French Surveying Association (Paris)
- Attended to FIG&ISPRS Joint Workshop in Nepal



this time  
istanbul



# General Assembly and Congress of The International Federation of Surveyors (FIG) 6-11 May 2018, ISTANBUL

## LAUNCHED.....

**FIG** International Federation of Surveyors  
Fédération internationale des géomètres  
Internationale Vereinigung der Vermessungsingenieure

Home News Organization Members Resources Partners Foundation Events About FIG Highlights

Location of GPS Atmospheric Sounding for Climate Studies in the Australian Region

FIG represents the interests of surveyors worldwide. FIG is a United Nations and World Bank recognized non-governmental organization of national member associations and covers the widest range of professional fields within the global surveying community. It provides an international forum for discussion and development aiming to promote professional practice and standards. Learn more...

**Most Recent News**

**2016 FIG Foundation PhD Scholarships and Academic Research Grants**  
The FIG Foundation provides a scholarship to PhD students and research grant. Applicants should submit their application before 1 March 2017...

**Formalizing the Informal: Challenges and Opportunities of Informal Settlements in South-East Europe**  
This publication is prepared by UNICEF and FIG. FIG President Chrysiy Petalou is lead author. The publication examines the causes...

**InterGeo 2015 - FIG was present with a stand**  
Again this year FIG created many visitors...

**FIG Platinum Partners**  
Trimble  
esri  
Bentley  
Leica Geosystems

**FIG Young Surveyors**  
...is an international network of young surveyors. Want to join? Click here to become active.

**Major FIG Conferences**  
FIG World Congress  
Christchurch, New Zealand  
2-8 May 2018  
www.fig.net/fig2018  
CALL FOR PAPERS

**FIG WORKING WEEK 2017**  
29 May - 4 June  
Helsinki Finland

**FIG Congress 2018**  
6-11 May 2018, Istanbul, Turkey

**Library**  
FIG Publication No. 65  
FIG Publication No. 64

[www.fig.net/FIG2018](http://www.fig.net/FIG2018)

### WELCOME ADDRESS

By DR. ORHAN ERCAN FIG2018 Co-Congress Director



Dear Colleagues and Friends,

The Turkish Chamber of Survey and Cadaster Engineers (CSCE) is proudly honored to host the XXVI FIG International Congress & General Assembly in Istanbul, Turkey, which will be held between 06 and 11 May 2018. We are certain that Istanbul will exceed in meeting all requirements and expectations for a memorable and successful Congress. As known, this geographical area has not hosted any FIG Congress & General Assembly before



5 time  
istanbul





## THEME AND MOTTO

General Assembly and Congress of The  
International Federation of Surveyors (FIG)  
6-11 May 2018, ISTANBUL

- ❑ Announced in HKMO website to gather public suggestions
- ❑ Theme and Motto will be finalized together with FIG soon

The screenshot shows the website of the TMMOB Harita ve Kadastro Mühendisleri Odası (HKMO). The main header includes the organization's name and the FIG 2018 Istanbul logo. The navigation menu lists various sections like Haberler, Basın Açıklamaları, and Yönetim. The main content area displays several news articles, with the most recent one titled "FIG 2018 SLOGAN ÖNERİLERİ HK." highlighted in yellow. The right sidebar contains a calendar for May 2018 and a list of upcoming events.



this time  
Istanbul

# CONGRESS VENUES

A



Lütfü Kırdar  
Congress Center  
(ICEC)

B



Haliç Congress  
Center



Haliç Congress Center

Attraction

7 min by car

ICEC

Downtown

BEYOĞLU

Üsküdar

Haliç

İllichivsk - Derince

Zorlu Center

Rainbow Plaza

Kız Kulesi

Eyüp Sultan Camii

Sütlüce

Kariye Müzesi

Fethiye Camii

Galata

Dolmabahçe Sarayı

BEŞİKTAŞ

Yıldıztabya Alibeyköy Cd

Hasdal-Okm

Piyalepaşa Blv

Barbaros Blv

Palanga Cd

Muallim Naci Cd

İllichivsk - Derince

Kuleli Cd

Ordu Cd

ey Cd

Eyüp Sultan Blv

Cırağan Cd

Paşa Limanı Cd

Adnan Menderes Blv

Feriz Paşa Cd

Mattuk Blv

Fatih

# A / ICEC Lütfü Kırdar Congress Center



- **City Center** Location
- **2** Separate Building
- **27** Rooms
- **3.000** m2 Exhibition Area
- **Anadolu Room** / **1900** Pax.





Oteller Bölgesi

ICC  
ISTANBUL İSKERİ MÜZE  
CONGRESS CENTER

ICEC

Hilton

Divan Otel

Hyatt Otel

Ceylan intercontinental Otel

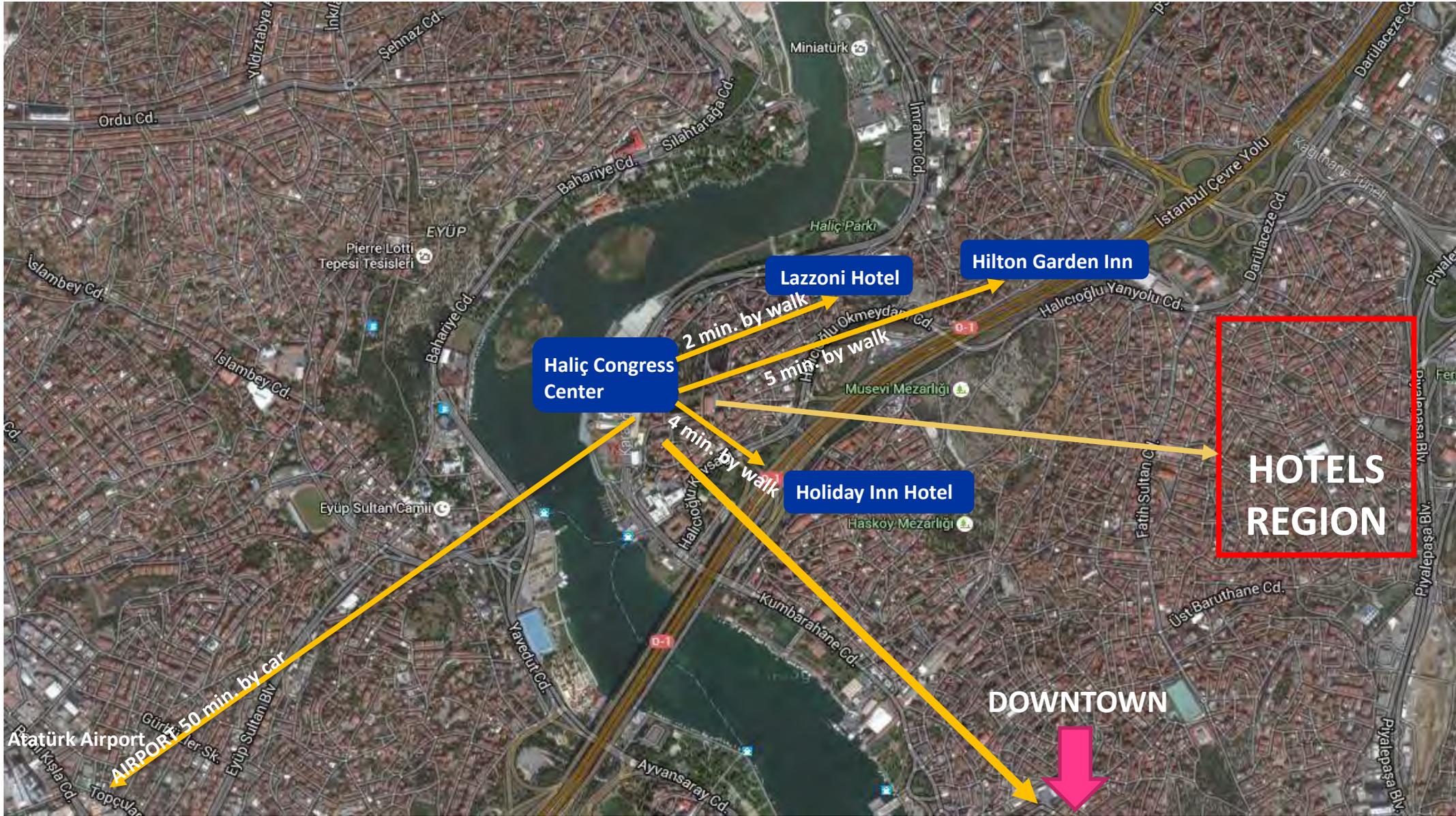
Ritz Carlton

# B / Haliç Congress Center



- **Golden Horn** Location
- **3 Separate** Building
- **21** Rooms
- **3.000** m2 Exhibition Area
- **Haliç Room / 3008** Pax





Halic Congress Center

Lazzoni Hotel

Hilton Garden Inn

Holiday Inn Hotel

HOTELS REGION

DOWNTOWN

Atatürk Airport

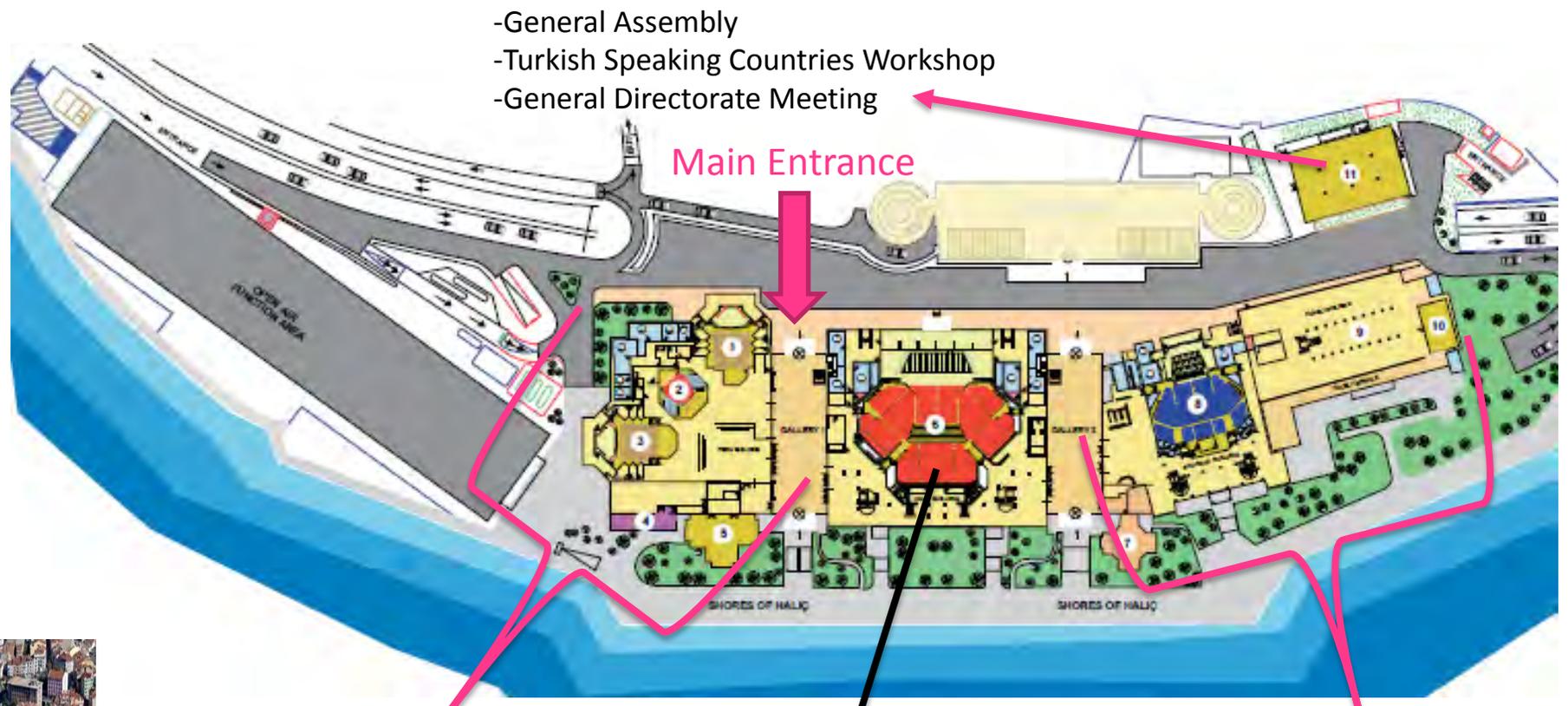
AIRPORT 50 min. by car

2 min. by walk

5 min. by walk

4 min. by walk

# B / Haliç Congress Center



- General Assembly
- Turkish Speaking Countries Workshop
- General Directorate Meeting

Main Entrance

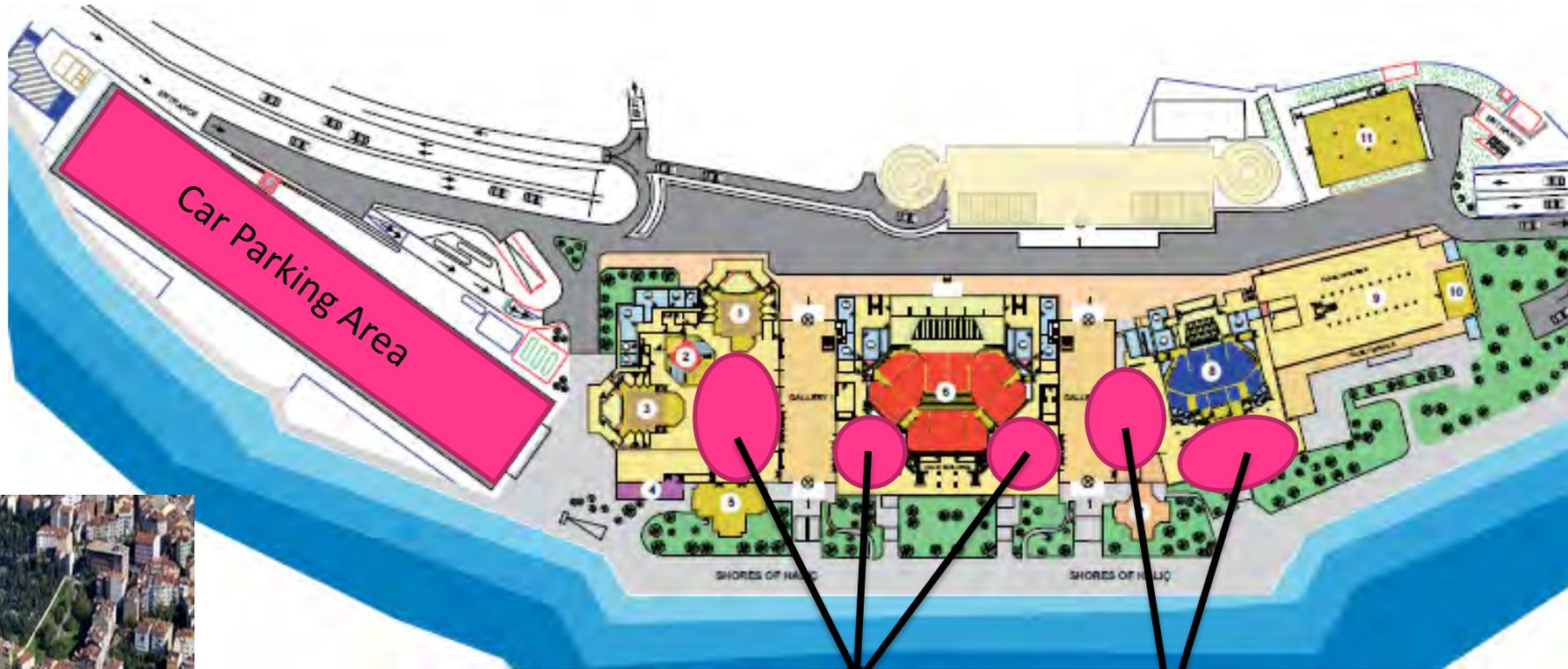
- Technical Sessions
- Commission Annual Meetings

- Opening Ceremony
- Young Surveyors Summit

- Technical Sessions
- FIG2018 Offices
- Commissions Annual Meetings
- Commissions Meeting Rooms



# B / Haliç Congress Center



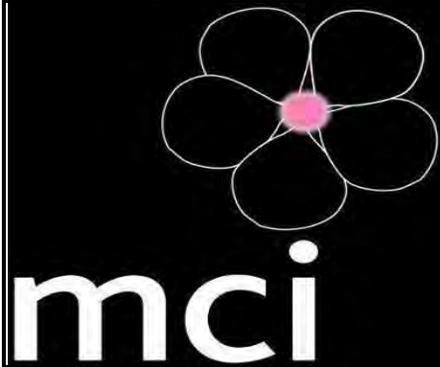
Exhibition Area  
3000 m2 Gross

Lunch & Coffee Breaks Area





## CONGRESS VENUES MATRIX



**Lüffi Kırdar Congress Center**



**Haliç Congress Center**

### GENERAL INFORMATION

<b>LOCATION</b>	In the city center	Near the city center
<b>PUBLIC TRANSPORTATION</b>	Near Metro & Public Transportation 30-45 Minutes from Atatürk airport You can easily reach with Metro from airport	Near Metro & Public Transportation 30-45 Minutes from Atatürk airport You can easily reach with Metro from airport
<b>ACCOMODATION AREA</b>	Near one of the main accommodation area Talimane There will be over 50 Hotel from 5 to 2 stars	There is a few accommodation alternatives There will be 5 Hotel from 5 to 4 stars
<b>ATRACTION AREA</b>	In the heart of Istanbul Walking distance for Taksim	7 minutes by cap to Taksim Miniaturk art park is near Near the Golden Horn, Haliç
<b>TECHNICAL INFORMATION</b>		
<b>AUDOTORIUM CAPACITY</b>	1900 Pax	3008 Pax
<b>TOTAL ROOM NUMBERS</b>	27 Rooms, 2 separate building	21 Rooms, 3 separate building
<b>EXHIBITION AREA</b>	2000 m2 Net	2000 m2 Net
<b>TECHNICAL FACILITIES</b>	High tech technology They have their own technical company	High tech technology They have their own technical company
<b>CATERING FACILITIES</b>	Borsa catering is here / expensive	They have their own catering services
<b>INTERNET INFRASTRUCTURE</b>	High speed internet access	High speed internet access

## PLANNED ACTIVITIES IN 2016

- THEME AND MOTTO
- CONGRESS VENUE
- SOCIAL AND TECHNICAL TOURS
- CATERING



# THANK YOU FOR LISTENING TO ME

DR. ORHAN ERCAN  
FIG2018 CO-CONGRESS DIRECTOR



## FIG 2018 CONGRESS MOTTO PROPOSALS

- Refresh yourself in land Management,
- Refresh yourself with Challenges & Innovation in Land Administration,
- Refresh yourself with new technics,
- Refresh yourself with Challenges & Innovation
- Explore the future of surveying !
- Set the surveying vision for future !
- Save the future of surveying!
- Set the surveying vision, save the future of surveying !
- Refresh the surveying vision, save the future of surveying !

Change, Development, Where?

While World Globalizing, Globalizing The Earth

While World Changing, Shaping The Earth

Shaping/Drawing The Future of Surveying Sector

Re-Design The Future of Surveying

Designing/Shaping/Drawing The Future of Surveying At The Point Where The Continents Meet

New Achievements, Openings and Strategies

Creating New Achievements, Openings and Strategies.

Create/Make up A Spatial World & Earth for Global Freedom, Equality and Democracy

Seamless spatial society

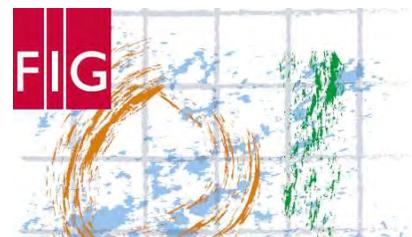
Connected Land Administration, global success

Connected Surveying: Throughout the Earth

Let's Get Connected

Innovative Land Administration

Land use in ancient times, land administration in modern world



# FIG Working Week 2017

## May 29 – June 2

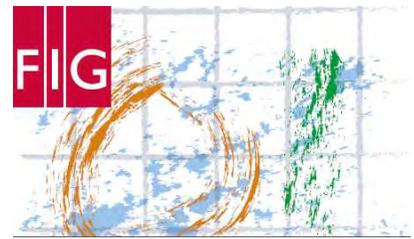
### Helsinki, Finland

Pekka Halme

Local Organising Committee

Christchurch

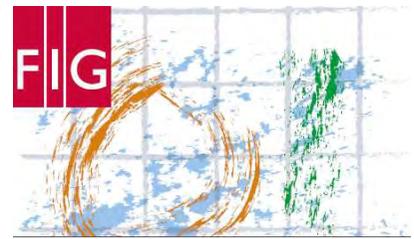
May 6, 2016



# Helsinki

- Founded 1550
- Population
  - Helsinki 625 000
  - Capital Region 1,2 Million
- Location
  - $60^{\circ} 10' 15''$  N,  $24^{\circ} 56' 15''$  E

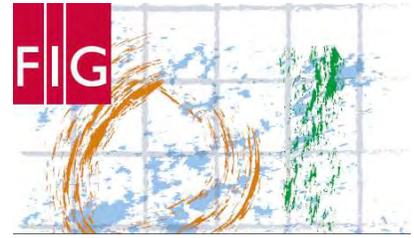




# What we have so far...

- LOC representing the MIL, MAKLI and the National Land Survey since late 2014
- Lease agreement with the Convention Centre Messukeskus and Dinner Venues
- Agreement with a DMC
- Welcome Reception sponsored by the City of Helsinki
- Information about the Working Week, Helsinki, Finland, and getting there will be available at the WW website <http://www.fig.net/fig2017/>

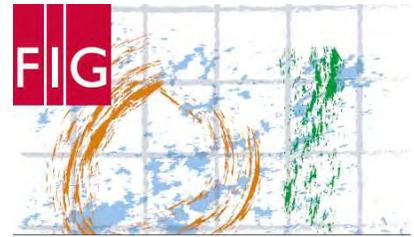




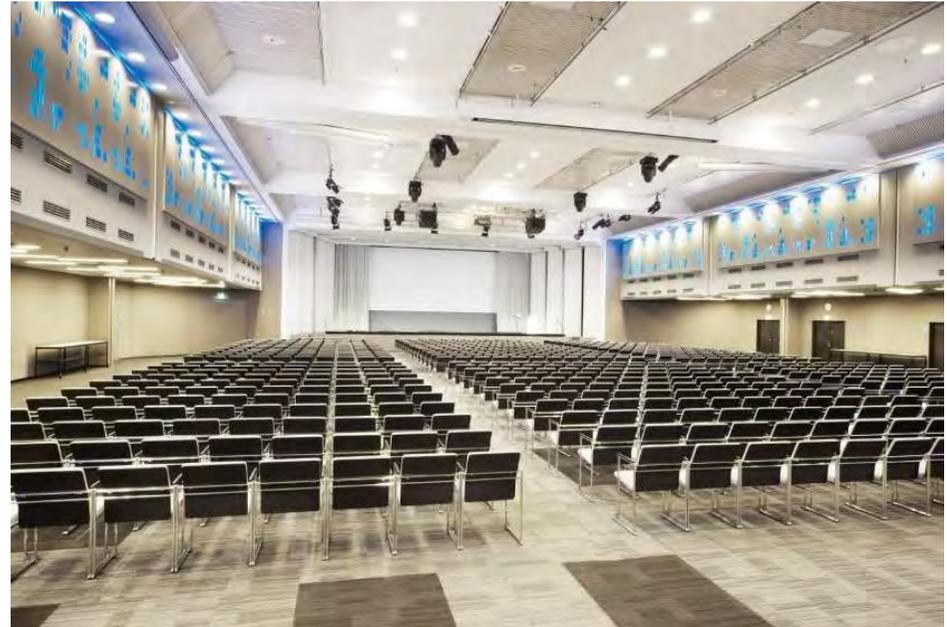
# Messukeskus - the Venue

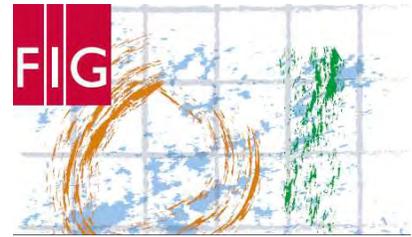
- Messukeskus Helsinki, Expo and Convention Centre
  - Total area 113,700 m<sup>2</sup>, gross exhibition area 57,700 m<sup>2</sup>
  - 40 meeting rooms, 13 conference rooms in the halls
  - Largest auditorium 4,373 seats
  - A four-star hotel with 244 rooms
  - Situated 4 km from the city centre, 16 km from the airport
  - Easy access to and from the city centre by local trains (5 min)





# Messukeskus Interior

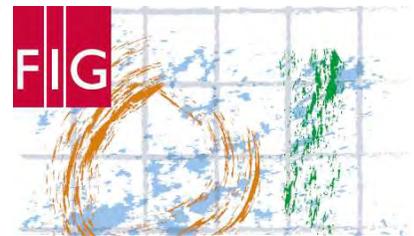




# Accommodation

- Congress hotel next to the venue
- Block reservation in various hotels within 3 km distance
  - 800 rooms
- Moving around easy by train, bus and tram

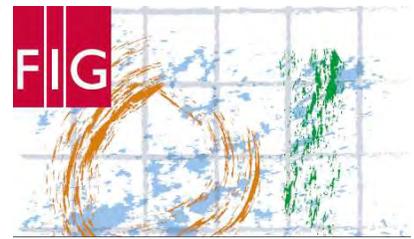




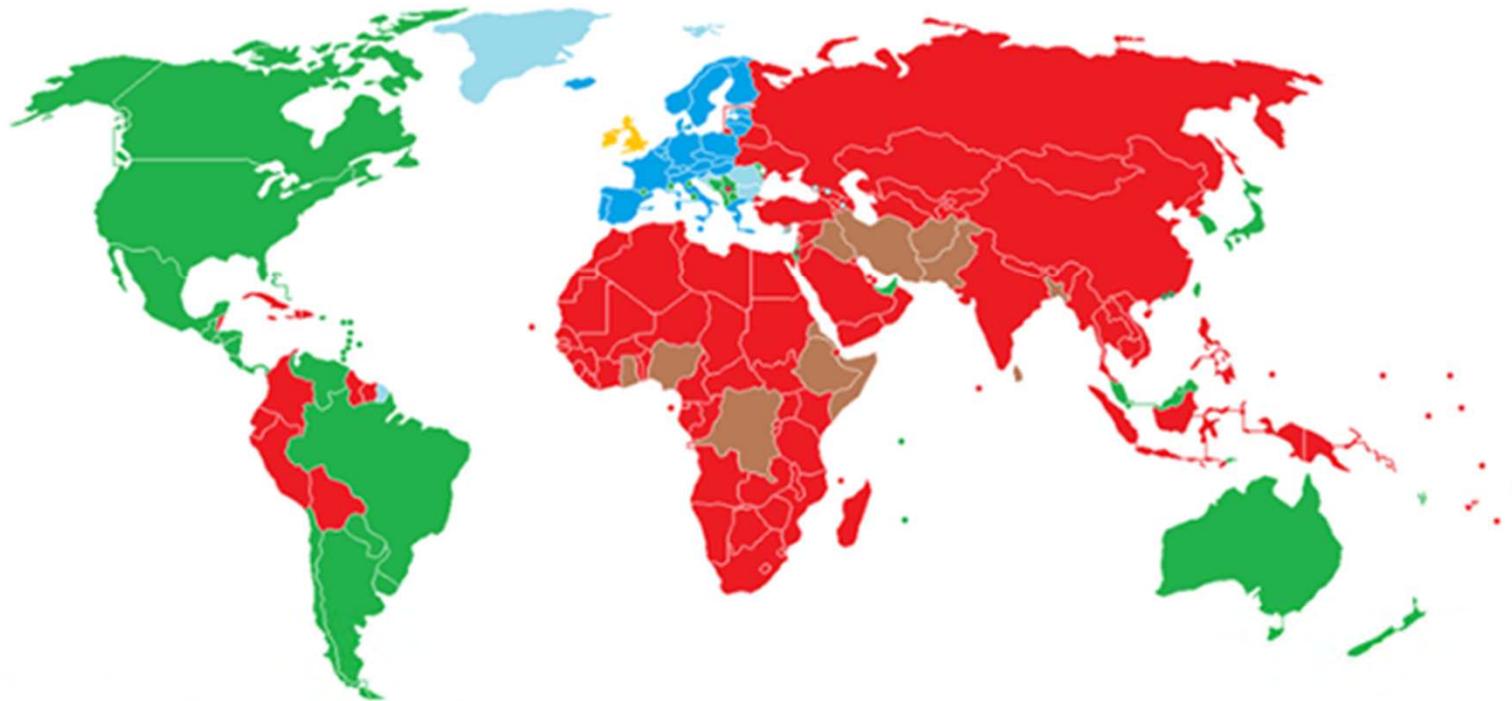
# Finland

- Population: 5,5 Million (18,0/km<sup>2</sup>)
- Area: 338 000 km<sup>2</sup>
- Currency: Euro
- Official languages: Finnish, Swedish
  - English widely spoken

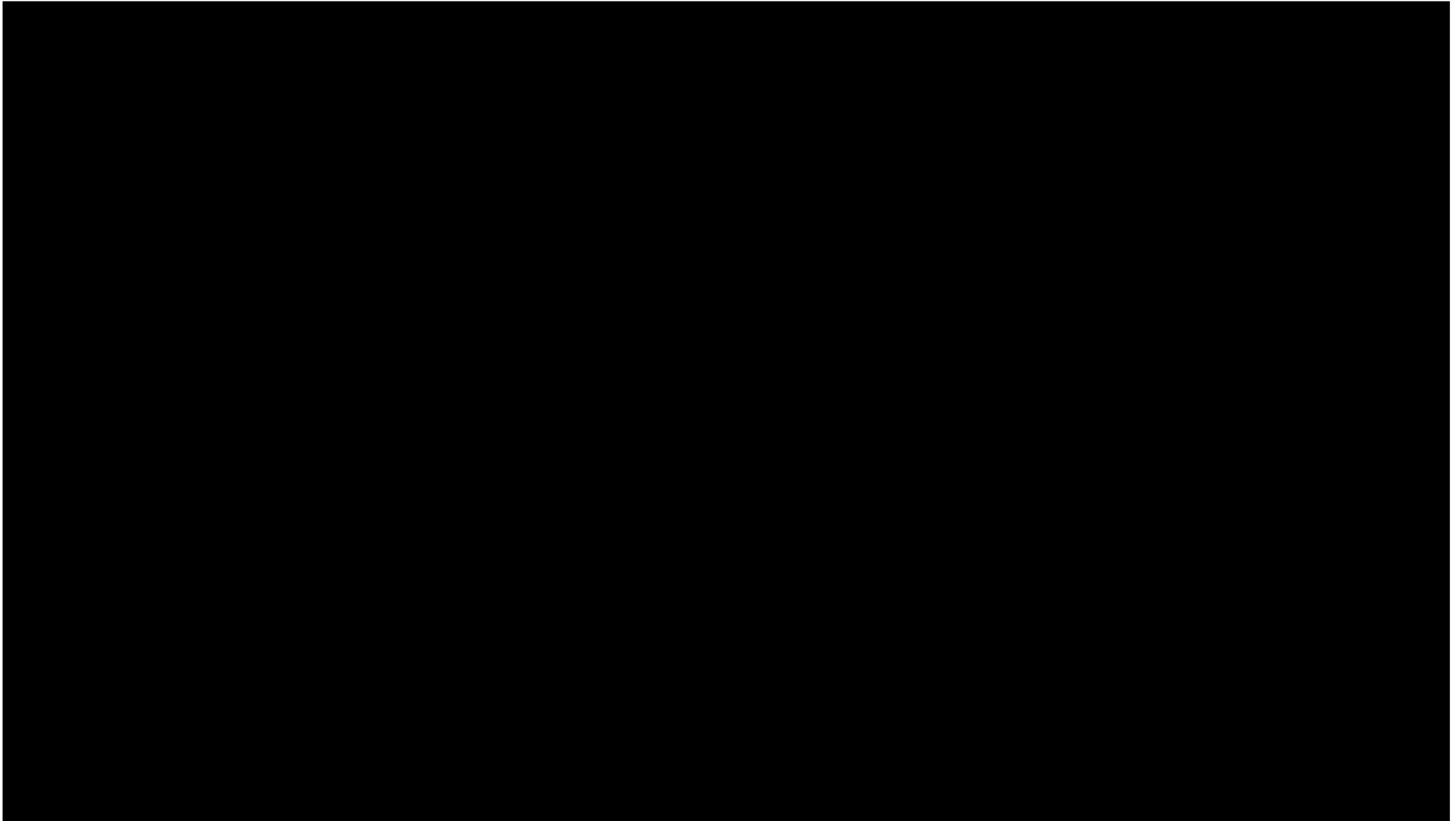


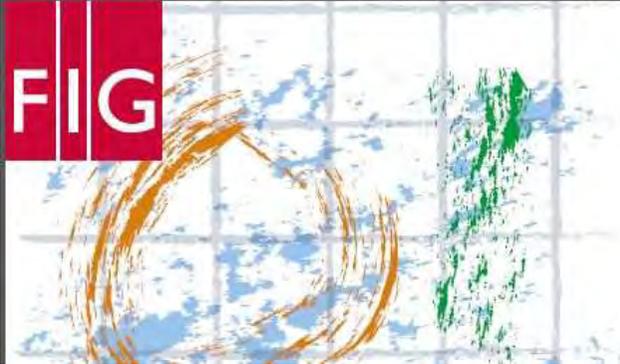


# Visa



- Light blue: Schengen member states
- Yellow: Other EU members outside Schengen Area but bound by same visa policy and special territories of the EU and Schengen member states
- Green: Members of the EU with an independent visa policy
- Dark green: Visa-free access to the Schengen states for 90 days in any 180 day period, although some Annex II nationals can enjoy longer visa-free access in some circumstances (EC 539/2001 Annex II)
- Red: Visa required to enter the Schengen states (EC 539/2001 Annex I)
- Brown: Visa required for transit via the Schengen states (EC 810/2009 Annex IV)
- Grey: Visa status unknown

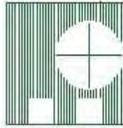




# FIG WORKING WEEK 2017

Surveying the world of tomorrow –  
From digitalisation to augmented reality

May 29 - June 2 **Helsinki Finland**



Tervetuloa!  
Welcome!



# Closing Remarks

***Prof Chryssy A Potsiou***

*FIG President*

*Thanks to Commission chairs, chair of DGF, Chrit Lemmen, Robin McLaren, Louise, John Hohol*



# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

Organised by



Platinum Partners



Diamond Partner





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## *Facts and Statistics*

- *3<sup>rd</sup> FIG YSs Conference : 100 YS*
- *Charity run: 80 participants*
- *History Symposium : 20 participants*
- *Small Island Developing States, 30*
- *Seminar on Reference Frames – Com5 - 70*
- *STDM Workshop - UN-Habitat/GLTN with YS – 35*
- *Council and ACCO meetings*
- *FIG WW 2016, 2-6 May 700*





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## Facts and Statistics ...

- *3 honorary Presidents*
- *~700 participants*
- *~ 70 countries*
- *Large representation from:*
  - *Australia,*
  - *China,*
  - *New Zealand and*
  - *Nigeria*
- *30 exhibitors*



Platinum Partners:



Diamond Partner





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## Facts and Statistics...

- Papers Presented 250
- Peer review papers
- Technical Sessions 86
- Here of Special sessions 23





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## ***It is always about people: Lianne Dalziel, Mayor***

- *Humanity has lived with natural disasters for centuries but their impact was not felt to the same extent in the past as is experienced now*
- *The more the population, the more the development, the greater the loss!*
- ***Good co-ordination starts with good co-ordinates....good land administration, good insurance and compensation, better recovery***
- *Data integrated in SDI is the key to organised recovery for disasters*



***NMAs should be in the position to generate, maintain and provide quality geospatial information and services across all phases of the emergency cycle: H. Murakami, Japan***



Platinum Partners:



Diamond Partner





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## *How to get politicians to follow your advice: Margareta Wahlström, UNISDR*

- *Influence?*
- *The crucial role of surveyors in disaster mitigation, preparedness, response and recovery needs marketing*
- *FIG and its members have a role to play here.*





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## *What about Land Surveyors without Borders? Keith Bell, WB*

- *FIG has developed a close relationship with UN Agencies, the World Bank and other important international institutions*
- *It is important that FIG build on these relationships.*
- *Urbanization is further exaggerated by migration  
This new urbanization is characteristic of our era;  
and a great challenge*
- *Can FIG lead national professional bodies to put Surveyors, land administrators and geospatial specialists on the pro bono humanitarian map?*





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## *We need movements, no expensive organisations with hierarchy: Sam Johnson, the Student Volunteer Army*

*FIG has developed a new generation of Global Surveyors, working at the local level, that are aware of the global issues and contribute solutions to the global agenda:*

*“Young legs” combined with “grey hair” will make the difference*



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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

## ***FFP Land Administration, it is achievable: Chrit Lemmen***

- *The involvement of a network of grassroots surveyors from the communities can be developed*
- *High resolution cloudfree imagery is available by the end of this year*
- *Standards are available*
- *the Open Geospatial Consortium wants to operationalize them helped by the geospatial industry*
- *FIG will work with Member Associations to support the implementation of the VGGT and the continuum of land rights at the country level*
- *FIG will continue to work with UN GGIM to further develop the use of geo spatial data in the context of land governance. Land Administration is high in the GGIM agenda*



Platinum Partners:



Diamond Partner





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

## ***cadastre must be more resilient: Mark Dyer, DGF host*** from disaster

- *precise engineering, civil works, infrastructure, energy and communications, transportation and structures both drive and benefit from reliable spatial information*
- *our land administration systems, natural hazard planning, resource management, land use planning*

*What is important?*

- *spatial data in a common reference frame*
- *Capacity building and better communication on “how to use” our valuable assets, our knowledge and information*
- *learn to go from global – regional – local and vice versa*

***Future challenges :***

***Migration, Monitoring Autonomous Cars,***

***Utility Mapping, Monitoring Sustainable Development Goals***



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# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster



Platinum Partners:



Diamond Partner





# FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

**SEE YOU IN HELSINKI**



Platinum Partners:



Diamond Partner

