



## **FIG Commission 1 – Professional Standards and Practice Work Plan 2011–2014**

**Who we are:**

**Commission Chair** - Leonie Newnham; Australia

**Vice Chairs-**

**Administration & Communication** - Robyn McCutcheon, Australia

**WG 1.1-** Curtis Sumner, USA & Winnie Shiu, Hong Kong, SAR, China

**WG 1.2-** Brian J Coutts, New Zealand

**WG 1.3-** Stephen Djaba, Ghana

**WG 1.4-** Dr. Haim Srebro, Israel & Dr. Bill Robertson, New Zealand

**WG 1.5-** Joint Working Group with the Young Surveyors Network



## **Working Groups 2011–2014**

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

**WG 1.2 – Regulation approaches that provide secure tenure**

**WG 1.3 – Community of Practice on Professional Standards and Practice**

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

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



## Commission 2 Professional Education



- Commission Chair: Steve Frank (USA)
- Administrative Vice Chair: Gary Jeffress (USA)
- WG1 – Body of Knowledge / Curriculum
  - Chair: Bela Markus (Hungary)
  - Vice Chair: Irina Fartukova (Russia)
- WG2 – Learning and Teaching Methodology
  - Chair: Liza Groenendijk (Netherlands)
  - Vice Chair: Reinsfried Mansberger (Austria)



## Commission 2 Professional Education



- WG3 – Marketing and Recruitment
  - Chair: Chris MacAlister (Australia)
  - Vice Chair: Marina Vasilovich (Sweden)
- WG4 – Assessment / CQI
  - Chair: Tim Goodhead (UK)
  - Vice Chair: Gary Jeffress (USA)



Commission 3 – Spatial Information Management  
 Chair Prof Dr Yerach Doytsher, Israel  
**Work Plan 2011-2014**

**Vice Chair of Administration - Communications**

Dr. Sagi Dalyot, Israel

**Vice Chair of Administration - Events**

Mr. Gerasimos Apostolatos, Greece

**WG 3.1 – SIM Infrastructure**

Chair Prof Dr Hartmut Müller; Germany

**WG 3.2 – Technical Aspects of SIM**

Chair Prof Dr Charabalos Ioannidis, Greece

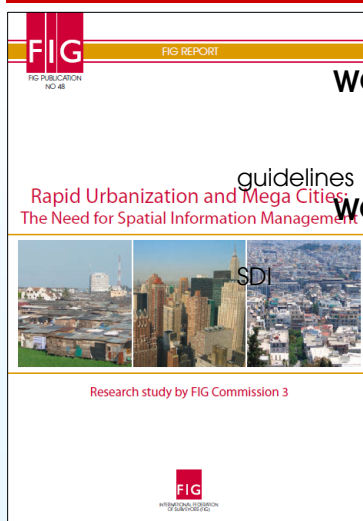
**WG 3.3 – 3D Cadastre (Joint WG with Com 7)**

Chair Prof Dr Peter van Oosterom, The Netherlands

Hartmut Müller, Marrakesh Working Week, May 2011



Commission 3 – Spatial Information Management  
 Chair Prof Dr Yerach Doytsher, Israel  
**Work Plan 2011-2014**



**WG 3.1 – SIM Infrastructure**

Focus on urban areas, IT based services for stakeholders, development of

**WG 3.2 – Technical Aspects of SIM**

Data collection, standardization, city

integration of spatial data bases



2<sup>nd</sup> International Workshop on 3D Cadastres  
 organized by FIG, EuroSDR and TU Delft  
 16-18 November 2011, Delft, The Netherlands

**WG 3.3 – 3D Cadastre (Com3/Com 7)**

Hartmut Müller, Marrakesh Working Week, May 2011



Commission 3 – Spatial Information Management  
 Chair Prof Dr Yerach Doytsher, Israel  
**Work Plan 2011-2014**

**Calender of Events**

May 2011	FIG Working Week Marrakesh, Morocco
Oct 2011	Annual Workshop Paris, France
May 2012	FIG Working Week Rome, Italy
Sep/Oct 2012	Annual Workshop TBD
Apr/May 2013	FIG Working Week, Abudja, Nigeria
Sep/Oct 2013	Annual Workshop TBD
May 2014	FIG Congress Kuala Lumpur, Malaysia
Sep/Oct 2014	Annual Workshop TBD

Hartmut Müller, Marrakesh Working Week, May 2011



Commission 3 – Spatial Information Management  
 Chair Prof Dr Yerach Doytsher, Israel  
**Work Plan 2011-2014**



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

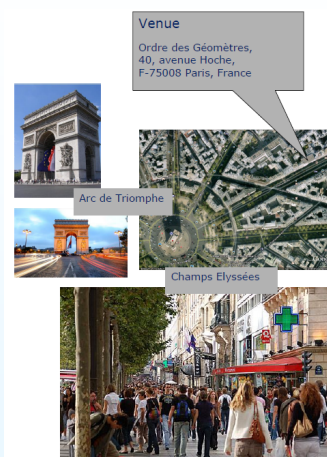
**FIG COMMISSION 3**  
 Spatial Information Management

**FIG Commission 3 Workshop**

**"The Empowerment of Local Authorities:  
 Spatial Information and Spatial Planning Tools"**

And Commission 3 Annual Meeting

**25-28 October 2011, Paris, France**



**Local Organizing Committee**

Chair Mr Rafic Khouri, Ordre des Géomètres-Experts

Hartmut Müller, Marrakesh Working Week, May 2011



REPORT TO GENERAL ASSEMBLY

## Commission 4 (Hydrography)

Dr. Michael Sutherland  
Trinidad and Tobago & Canada  
Chair, 2011-2014

## Commission 4 (Hydrography)

### Structure

- Vice Chair – Administration & Communication  
Mr. Gordon Johnston, MRICS (UK)
- WG 4.1 – Ellipsoidally Referenced Hydrographic Surveys  
Mr. Jerry Mills (USA)
- WG4.2 – Standards and Guidelines for Hydrography  
Mr. Andrew Leyzack, C.L.S. (Canada)
- WG4.3 –Multi-Sensor Systems for Hydrographic Applications,  
Prof. Dr. Volker Böder (Germany)
- Working Group 4.4 – Maritime and Marine Spatial Information Management  
Dr. Michael Sutherland, MRICS (Trinidad and Tobago and Canada)
- Working Group 4.5 – Hydrography in Africa  
Ms. Angela Etuonovbe (Nigeria)





## Commission 4 (Hydrography)

- **Output (Publications, Editorials, Reports and Articles)**
  - FIG Website and Publications
  - Articles in *Hydro International*, *The Hydrographic Review*, *Sea Technology*, and *Lighthouse*
  - Conferences and Workshops
- **Cooperation**
  - FIG
    - Commissions
    - Africa Task Force
    - Climate Change Task Force
    - Standards Network
    - National and International Boundaries



## Commission 4 (Hydrography)

- **Cooperation (continued)**
  - International Hydrographic Organization
    - Hydrographic Standards and other issues
    - International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (FIG-IHO-ICA)
  - International Maritime Organization (UN)
    - e-Navigation Initiative
  - International Federation of Hydrographic Societies (IFHS)

## FIG Commission 5 - Positioning and Measurement 2011-2014

The acquisition of accurate, precise and reliable survey data related to the position, size and shape of natural and artificial features of the earth and its environment.

Vice chair of admin: Rob Sarib, Australia

WG 5.1: Standards, Quality Assurance and Calibration (David Martin, France)


WG 5.2: Reference Frames (Graeme Blick, New Zealand)

WG 5.3: Geodetic and Positioning Infrastructure (Neil D Weston, USA)

WG 5.4: Kinematic Measurements (Volker Schwieger, Germany)

WG 5.5: Ubiquitous Positioning (Allison Kealy, Australia) (jointly with FIG Commission 6 and IAG)

WG 6.2.2. Study Group on Laser Scanning (lead by Com 6)




## FIG Commission 5 2011-14

The five "F";

- **F**ocus on modern technologies, technical development and assist surveyors through guidelines and recommendations
- **F**acilitate and follow technical development through collaboration with other commissions and other international organisations
- **F**oster and support research and development and stimulate new ideas.
- **F**ormulate and formalise collaboration with manufacturers on the improvement on instruments and associated software
- **F**IG Events – use these to present and promote the work of the Commission and its working groups

Continue the cooperation with other organisations. Especially with

- UN Office for Outer Space Affairs (UN OOSA); *in particular the ICG – International Committee on GNSS.*
- international professional organisations in surveying disciplines as International Association of Geodesy (IAG)





The University of  
**Nottingham**

UNITED KINGDOM · CHINA · MALAYSIA

## Commission 6 – Engineering Surveys

Prof Gethin Wyn Roberts  
Commission Chair

Craig Hancock  
Vice Chair for Administration  
and Communication

**Working Group 6.1** – Deformation Measurements and Analysis - *Prof. Dr. Wolfgang Niemeier (Germany)*

**Working Group 6.2** – Engineering Surveys for Construction Works and Structural Engineering – Joël van Cranenbroeck, (Belgium)

**Study group 6.2.1** Fibre Optic Sensors - Dr. Helmut Woschitz (Austria)

**Study Group 6.2.2** Laser Scanners - Dr Ivo Milev (Germany)

**Study Group 6.2.3** Ground Based Synthetic Aperture Radar - Prof Alessandro Capra (Italy)

**Study Group 6.2.4** Geotechnical Sensors - Dr. Marco di Mauro, (Switzerland)

**Study group 6.2.5** Railway Surveying Techniques - Mr. Carlo Bonanno (Italy)

**Working Group 6.3** – Machine Control and Guidance (MCG) - Prof. Dr.-Ing. Werner Stempfhuber (Germany)

**Working Group 5.5** – Ubiquitous Positioning Systems – Dr Allison Kealy (Australia)

Member of the Standards WG Alojz Kopacik





## **Commission 7 Cadastre and Land Management**

### **Work Plan 2011-2014**

Daniel Roberge  
May 2011

---

FIG Commission 7  
Work Plan 2011-2014



## **Commission 7 - Proposed priorities**

- promoting land rights infrastructures and good land governance to contribute to sustainable development
- developing a better preparedness and response to natural disaster and climate change
- developing a better cooperation between land surveyors aiming to improve the capacity and governance in land administration
- developing cadastral perspectives
- investigating direct involvement of citizens into e-land administration processes
- co-operating with international organizations in land tenure issues

---

FIG Commission 7  
Work Plan 2011-2014



## Commission 7 - Working Groups

- W.G.1 - Pro Poor Land Tools - C.Lemmen
- W.G. 2 – Land Administration, Natural Disasters and Climate Change - J. Zevenbergen & D. Mitchell
- W.G. 3 - Cadastral Perspectives – G. Schennach
  - Joint w.g.with Com. 3 – P. van Oosterom
- W.G. 4 - Land Management Reforms – R. Grover

---

FIG Commission 7  
Work Plan 2011-2014



## Commission 7 - Working Groups

- W.G.1 - Pro Poor Land Tools - C.Lemmen
- W.G. 2 – Land Administration, Natural Disasters and Climate Change - J. Zevenbergen & D. Mitchell
- W.G. 3 - Cadastral Perspectives – G. Schennach
  - Joint w.g.with Com. 3 – P. van Oosterom
- W.G. 4 - Land Management Reforms – R. Grover

---

FIG Commission 7  
Work Plan 2011-2014



## **Commission 7 - Next annual meeting**

Annual meeting and International  
Symposium Cadastre 2.0

- 25 Sept.- 1 Oct. 2011: Innsbruck, Austria  
– Annual meeting and International  
Symposium Cadastre 2.0
  
- <https://sites.google.com/site/figsymposium2011/>



REPORT TO GENERAL ASSEMBLY



## **Commission 9 (Valuation and Real Estate Management)**

Dr. Frances Plimmer  
United Kingdom  
Chair, 2011-2014



## **Commission 9 (Valuation and Real Estate)**

- **WG 9.1 Property Taxation;**
  - **SG 9.1.1 Tax Bases;**
  - **SG 9.1.2 Mass Appraisal Techniques;**
  - **SG 9.1.3 Best Practice in Emerging Economies.**
- **WG 9.2 Large Scale Land Acquisition;**
- **WG 9.3 Asset Management for Public Sector in Emerging Economies**

## FIG COMMISSION 10 - Construction Economics and Management

### FIG Commission 10 for 2011 – 2014 (Marrakech-Rome-Abuja-Kuala Lumpur)

Chair: Robert F. ŠINKNER  (CZECH REPUBLIC - CUSC)

(GEFOS – private company and VŠTE – University for technical and economical studies in C.B. – Faculty of Applied Sciences, Geodesy



### Good Balance – FIG Commission 10 Officers, 4 Working Groups:

#### ✓ Geographical:

W. + E. Europe / Africa / Asia / Australia / S. + N. America

#### ✓ Developed Countries / Developing Countries

#### ✓ Gender + Age:

Male / Female and Youths / Adults

#### ✓ Environmental : Academic / Government / Private



FIG Working Week Marrakech, G.A. – 18<sup>th</sup> May 2011

## FIG COMMISSION 10 - Construction Economics and Management

### FIG Commission 10 for 2011 – 2014 Terms of Reference:

- ✓ Construction economics including Quantity Surveying, Building Surveying, Cost Engineering and Management, Estimating and Tendering (Bidding)
- ✓ Commercial management including Procurement, Risk Management and Contract Law for construction and non construction activity
- ✓ Construction Law, Negotiation
- ✓ Best practices, Large size construction management support by surveyors
- ✓ Green Management, Green Contracts and Procurement
- ✓ FIG Foundation Projects from the economic point of view.
- ✓ Practical solutions of the big projects supported by the Corporate Members
- ✓ Projects supported by FIG Commissions 1 – 9, FIG Foundation, FIG Tasks Forces and FIG Young Surveyors from the economic and management point of view

### FIG Commission 10 for 2011 – 2014 Co-operation:

- ✓ All FIG Commissions and their projects from economic and management point of view
- ✓ UN Habitat, World Bank
- ✓ International Cost Engineering Council (ICEC) – existing MoU
- ✓ African Associations of Quantity Surveyors (AAQS) ... (MoU ... ?)
- ✓ Pacific Associations of Quantity Surveyors (PAQS) ... (MoU sug. July 2011)
- ✓ Council of European Construction Economists (CEEC)



FIG Working Week Marrakech, G.A. – 18<sup>th</sup> May 2011

**FIG Young Surveyors Network. Chair: Kate Fairlie**



**YSN Mission**

- Create **an international network** of young surveyors.
- Promote **international opportunities** for young surveyors.
- Contribute to improving the global image of surveying.

**YSN Goals (General)**

1. To represent young surveyor interests at FIG
2. To improve student and young surveyor knowledge of, attendance at and involvement in FIG
3. To support local, regional, national and international networks of young surveyors
4. To facilitate young surveyor involvement on the committees of regional and national surveying and geospatial bodies
5. To improve the recognition of surveying in communities internationally by establishing an international voluntary "Young Surveyors Without Borders", supported by the FIG

**FIG Young Surveyors Network. Chair: Kate Fairlie**

**ACTIVITIES**



- Short term: Formalise structure and networks
  - Representative for each continent; a list of national contacts
  - More formal links with other young organisations
  - Specific outputs: document and evaluate activities
  - **Need a more structured and accessible website**
  - **Other:**
    - **2011: Africa Young Surveyor Network**
    - **2012: Roma Young Surveyor Conference**
- Long term
  - Contribute to/build structures that provide international opportunities (internships, work experience, aid/assistance)

**Vice Chairs:** Cemal Ozgur Kivilcim, Chris McAlister

**Treasurer:** Jens-Andre Paffenholz

**Secretary:** Eva-Maria Unger

**Regional Representatives:** Daniel Helmricks (USA), Benedicta Ugwulebo (Nigeria, Africa), Kenny Chan (Hong Kong, Asia)

**National representatives:** Paola Ronzino & Andrea Massaro (Italy)