

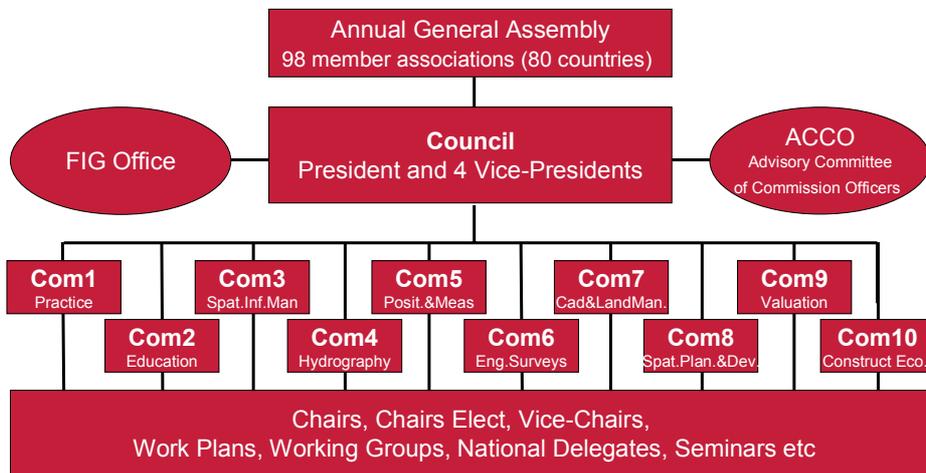
General Assembly Discussion on the Work of the Commissions

Discussion Outline

- **Introduction about process for current and future Commission Work Plans;**
- **For each Commission:**
 - **Current Hot Topics and Recent Achievements;**
 - **Issues on the Radar for 2011 to 2014;**
- **Feedback and Discussion with Member Associations;**
- **Next Steps for ongoing engagement with Member Associations.**



Organisational Structure



3

FIG General Assembly, Worrkign Week 2009, Eilat Israel.



Upcoming FIG Events



4

FIG General Assembly, Worrkign Week 2009, Eilat Israel.

Commission Work Plans

- **Work Plans of the Current Commission Chairs:**
 - For the Period 2007 to 2010;
 - Coming to their culmination at the Congress in Sydney, April 2010;
 - Drafting Technical Programme for Sydney at the Regional Conference in Vietnam in October 2009;
- **Work Plans of the New Commission Chairs:**
 - For the Period 2011 to 2014;
 - Starting to be developed from now;
 - Work Plan Drafting at the Regional Conference in Vietnam;
 - Drafts for Presentation and Discussion in Sydney;
 - Possible moderation during 2010 to mesh with the Work Plan of the New Council (not elected until Sydney);
 - Ratified at General Assembly during 2011 Working Week in Marrakech, Morocco;
- **Feedback and Involvement from Member Associations?**

Com 1 – Professional Practice

- **Standards Network (From Iain Greenway)**
 - Turning the Land Administration Domain Model (LADM) into an ISO Standard. –Well Underway (C 7)
 - Staying involved with ISO work on survey instruments.
 - active member (C5)
 - Deciding how to be involved with Valuation Standards (IVSC) – decision to be progressed by C9
- **Young Surveyor's Network**
 - Continue program of activities to develop working relationships between young surveyor's and FIG operations

- **Commission 1 in General**

- Changing role of surveyor's to meet the changing demands of society in the face of challenges such as climate change. This includes understanding the different demands and specific challenges of developing and developed countries.
- Navigating new work arrangements such as multi team approaches when dealing with disaster recovery and working with new infrastructure building approaches such as public/private partnerships.
- Innovative solutions and approaches to common practice issues.
- Building strong professional associations. Guidelines for establishing and strengthening associations building on the experiences of FIG member associations.

FIG publication: e-Learning (Editor: Liza Groenendijk,)

- 1. The concept of e-learning** - What is e-learning – definitions, Pedagogy – models, Knowledge management, Alignment of policy, strategy and operations
- 2. The Nature of e-learning** - Development of a knowledge base, e-Learning 2.0, Reusability, Metadata, Standards
- 3. E-learning technology and infrastructure** - Technology, Virtual library, Learning infrastructure, End-to-end model for e-learning
- 4. Effective e-learning** - Networking, organizational issues, Business models, Benefits
- 5. Role of e-learning in surveying** - Awareness building, Platform for collaboration, Sharing good practices, Creating a 'learning community', The growing importance of life-long-learning
- 6. FIG Policy on e-learning**
- 7. Conclusions**
- 8. APPENDIX – e-learning in Practice**

Issues for future expansion?

- Educational marketing and student recruitment
 - Excellent start in Vienna
- Education program accreditation
 - Guidelines and policies
- Surveying Body of Knowledge
 - What is the core/special knowledge that defines surveying as a profession

- Emphasize the need for coordination and regularization in spatial data collection and information sharing
- What needs to be done (necessary land tools) to facilitate the development of NSDIs
- Increase cooperation (public & private sectors and academics)
- SIM towards management of sustainable Urban Areas

Joint annual Workshops (UN ECE, ISPRS, etc):

1. Sounio 2007

2. Valencia 2008

3. Mainz 2009

4. WGs activities – **case studies on Mega Cities**

5. Expert Group Meeting, **Paris November 2009**

- case studies: Paris, Cairo, London, New York, Istanbul, Lagos?, Asia??
- **FIG publication** on SIM in support of Mega City management
- (by Sydney 2010)
- Workshop in September 2010 title: tbd

The Next Work Plan

- SIM in Risk Assessment / Disaster Management
- Tools and methods to improve knowledge sharing on SDIs and geospatial data bases in the developing countries
- Developing the necessary land tools for facilitating data collection, management and sharing
- Joint annual Workshops in Collaboration with ICA (Commission 2) and ISPRS (Commission 4)
- Increase inter-commission cooperation within FIG
- Increase cooperation among FIG Member Associations & Academic Members
- FIG publication

Highlights:

- Joint session with Commission 8 on Coastal Zone Management at WW2009.
- Publication from WG 4.3, Monitoring Sea Level Rise in the Caribbean in a special Marine Geomatics edition of "Geomatica" (Canadian Journal);
- Ongoing quarterly Commission newsletter in "Hydro International" magazine.
- Cooperation with the University of New Brunswick (UNB) and the Coastal and Ocean Information Network (COINAtlantic) on prototype marine cadastre.
- Cooperation is underway with Commissions 5 and 8 (lead commission) towards a Coastal Zone Development publication to be realised in-part from future joint sessions in Hanoi and Sydney;
- Increased support for and participation in the FIG/IHO/ICA International Advisory Board (IAB) on the Standards of Competence for Hydrographic Surveyors and Nautical Cartographers. Chair WG 4.2 appointed chair IAB.
- Dialogue between WG 4.1, Hydrographic Surveying in Practice and the International Federation of Hydrographic Societies (IHFS) on the revision and publication of a new edition of the IFHS Special Publication 3 (SP3), entitled A Career in Hydrographic Surveying.

Challenges:

- There have been occasions where our national delegate was excluded from the local organizing committee (LOC) for Working Weeks and thus created an obstacle for us in trying to coordinate technical program;
- Resources are stretched as most of our working group chairs are actively engaged in offshore surveying/consulting as well as other professional activities/committees.

Present and Future Hot Topics

- Continuously Operating Reference Stations (CORS) Networks - sharing experiences, methods for quality evaluation e.g international contracts;
- Global Navigation Satellite Systems (GNSS) - development and impact on Surveying;
- Standards in Surveying;
- Heighting with GNSS;
- Educational issue - how to ensure the education of geodesists/surveyors in the future (lack of students...)



Com 6 – Engineering Surveys

2008

- 13th International Symposium on Deformation Measurement, May 12-15, Lisbon (Portugal)
- INGEO – 4th International Conference on Engineering Surveying, Bratislava (Slovakia)
- 1st International Conference on Machine Control & Guidance, June 24-26, Zurich (Switzerland)
- Terrestrial Laser Scanning, November 6-7, Fulda (Germany)



Com 6 – Engineering Surveys

2009-2010

- GEOSIBERIA, April 22-24, 2009, Novosibirsk (Russia)
- 3D Optical Techniques ... , July 1-2, 2009, Vienna (Austria)
- Laserscanning2009 - ISPRS Workshop, FIG Commission 6, September 1-2, Paris (France)
- 10th International Course for Engineering Surveying, February 23-27, Munich (Germany)
- 2nd International Conference on Machine Control & Guidance, FIG Commission 5 and 6, March 9-11, Bonn, (Germany)
- 100 Years ISPRS Centenary Celebrations including ISPRS TC VII Symposium “100 Years ISPRS – Advancing Remote Sensing Science” 5-7 July 2010



Com 6 – Engineering Surveys

The Next Work Plan

- New WG on Machine Guidance and Control
- Revision of Working Groups 6.2 and 6.3
- More involvement with Member Representatives
- Continued good work of WG6.1
- New Chairman of WG6.4
- Maintained and increased involvement with other organisations eg ICE, IMS, ISPRS, IAG
- Continued Collaboration with Com 5
- Improved collaboration with Com 2



Com 7 – Cadastre and Land Management

Highlights

- Land administration, Cadastre, Cadastral systems, Land titling, land tenure, Land consolidation, etc;
- Working groups are all involved in the development of land administration to support sustainable development:
 - Cadastral domain model;
 - Innovative Technology (FLOSS);
 - Development of partnership.
- Successful workshops sponsored by international organizations in Quebec City and Verona.

FIG Com 7 – Cadastre and Land Management

Future Issues

- Promote land infrastructures as a major contribution to sustainable development;
- Promote good land governance;
- Develop a better response to disaster management;
- Develop cooperation and participation in our works with land surveyors from each part of the world;
- Next annual meeting : 12-16 October Kuala Lumpur, Malaysia

FIG Com 8 - Spatial Planning and Development

Communication

- Member Associations
 - Working Groups
- Strategic Partners
 - United Nations and World Bank
- Professional Opportunities
 - National and Global

Input to Next Work Plan

- Technical
 - Core = Urbanisation Spatial Planning Disaster Management
 - Coasts = Cross-Commission, Communities
 - Environmental = Dynamic Issues
- Challenges
 - External= Climate and Demographics
 - Internal = Working Groups, Profession

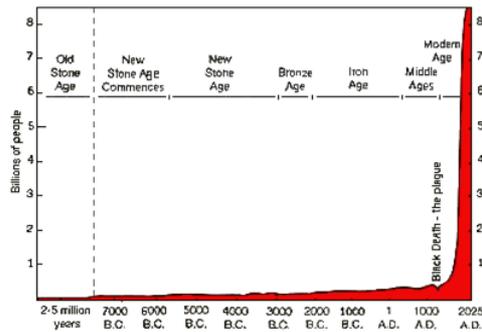
Most important topics 2008-09

- A joint seminar on Appraisal and Property Protection in Beijing on 18-19 October 2008
 - FIG Com 9 (and 8), CIREA, HKIS
- WG 9.1 – Compulsory Purchase and Compensations in Land Acquisition and Takings (Kauko Viitanen)
 - FIG Com 9, 8, 7, FAO, UN-HABITAT, WB etc.
 - 3 publications: 2 special issues journals and 1 book
 - Continuing to prepare 1-2 joint publications with FAO
- WG 9.2 – Improving Slum Conditions through Innovative Financing (Bengt Kjellson)
 - FIG Com 9, 8, 7, 3, 10, UN-HABITAT
 - Special event in Stockholm WW
 - Presentation the outcome in Urban Forum China November 2008
 - Outcome documented in FIG Publication No.44
- Most important, however, has been the active participation of FIG member organisations and their members!

For 2011-2014

- WG 9.1 and 9.2 might continue in some form
- Mortgage Backed Securities?
- Property taxation?
- Financial Crisis and Real Estate?
- Real Estate Management: need to increase activities

World Population



(Westman 2007)

'Project Management' as theme in Work Plan for 2007-10

- Building on very successful sessions in Munich in 2006
- Hong Kong and Stockholm
 - Well attended open forum sessions
 - Informed and lively discussion of good and bad examples of project management (also attended by non Com 10 delegates)
 - Similar session this week to begin distilling accumulated knowledge into a draft 'best practice' guide for discussion in Sydney;

'Commercial Management' Theme

- Informative presentations on many aspects of the management and administration of contracts.
- Addressing issues including procurement strategy, risk allocation and contractual dispute resolution processes and procedures.

A major challenge for the future of Com 10:

- Working with FIG colleagues across all disciplines of surveying to successfully procure and implement projects in the 'new order' business/ economic conditions that may be expected to come with recovery from the current global recession.

**Discussion
and
Feedback...**

- Ensure Support for any of your members already engaged as Commission Officers;
- Ensure you have active National Delegates, ideally for all Commissions;
 - If you cannot afford involvement in all Commissions pick a subset of most relevance to current issues in your country;
- The National Delegates and other active people from your Association should:
 - Attend Commission Meetings today and in Sydney;
 - Contribute to discussions and plans for the current and future work of the Commissions (in person, by email etc);
 - Submit papers for Hanoi and/or Sydney to contribute to the knowledge base and to better inform the future work of the Commissions;
 - Get involved in the new Working Groups for 2011 to 2014.