



FIG Vision, Mission and Activities
- Promoting Sustainable Development-
 Luncheon Address at HKIS, 2 November 2006
 Univ.Prof. Dr. Holger Magel, FIG President
 Chair of UN-Habitat Professionals Forum
 Chair of Joint Board GIS



Shaping the Change
 ... Surveyors' contribution is essential for the development of a country ...
 Edmund Stoiber, Opening Ceremony of FIG 2006




FIG Today
 - A truly global federation with members from more than 110 countries

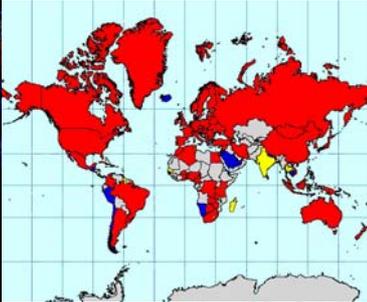



FIG Today

- 101 member associations (9 new in Munich including CIREA from China) from 85 countries
- 19 affiliate members
- 83 academic members from 52 countries
- 34 corporate members
- 14 correspondents



FIG is growing and activities are increasing

- Continuing relations with sister organisations (JBGIS, IAG, ISPRS, ICA, IHO and GSDI, IVSC, IFHP and ISM)
- Closer contacts with United Nations and its agencies (UN-Habitat, FAO and World Bank, also UNEP, UN-OOSA, DESA etc.)
- Increasing regional activities with regional organisations like AUS, FGF, ASEAN FLAG, CLGE and UN (WPLA, UNRCC-AP, UNRCC-A, ECA, ECE)



Detailed Functions
 The surveyor's professional tasks may involve one or more of the following activities which may occur either on, above or below the surface of the land or the sea and may be carried out in association with other professionals.

1. The determination of the size and shape of the earth and the measurement of all data needed to define the size, position, shape and contour of any part of the earth and monitoring any change therein.
2. The positioning of objects in space and time as well as the positioning and monitoring of physical features, structures and engineering works on, above or below the surface of the earth.
3. The development, testing and calibration of sensors, instruments and systems for the above-mentioned purposes and for other surveying purposes.
4. The acquisition and use of spatial information from close range, aerial and satellite imagery and the automation of these processes.
5. The determination of the position of the boundaries of public or private land, including national and international boundaries, and the association of these levels with the appropriate authorities.
6. The design, establishment and administration of geographic information systems (GIS) and the collection, storage, analysis, management, display and dissemination of data.
7. The analysis, interpretation and integration of spatial objects and phenomena in GIS, including the visualisation and communication of such data in maps, models and mobile digital devices.
8. The study of the natural and social environment, the measurement of land and marine resources and the use of such data in the planning of development in urban, rural and regional areas.
9. The planning, development and redevelopment of property, whether urban or rural and whether land or buildings.
10. The assessment of value and the management of property, whether urban or rural and whether land or buildings.
11. The planning, measurement and management of construction works, including the estimation of costs.

In the application of the foregoing activities surveyors take into account the relevant legal, economic, environmental and social aspects affecting each project.

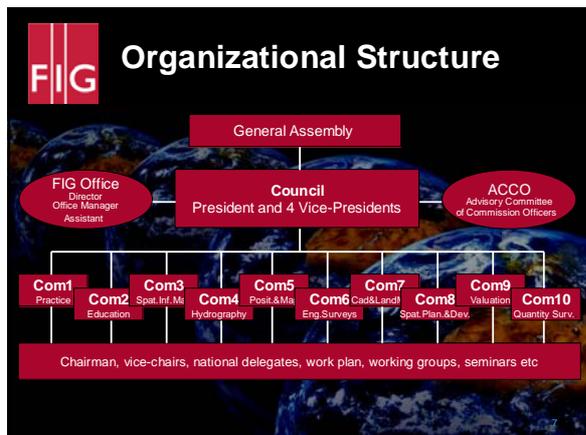


FIG New Administration Commissions 2007-2010

- **Comm. 1 – Professional Standards and Practice**
Chair: Yaacoub Saade, Lebanon
 - Philosophy of Surveying
 - Restructuring new Issues
 - Rules and Legislations

FIG New Administration Commissions

- **Comm. 2 – Professional Education**
Chair: Prof. Bela Markus, Hungary
 - Curriculum development
 - e-Learning
 - Educational management and marketing

FIG New Administration Commissions

- **Comm. 3 – Spatial Information Management**
Chair: Dr. Chryssy Potsiou, Greece
 - e-Government and e-Citizen
 - SDI infrastructure
 - Virtual earth applications
 - SDI implementations and cross cutting commissions

FIG New Administration Commissions

- **Comm. 4 – Hydrography**
Chair: Mr. Andrew Leyzack, Canada
 - Hydrographic Surveying in Practice
 - Standards and Guidelines
 - Capacity Building and Promoting the Economic Benefits of Hydrography
 - Administering Marine Spaces

FIG New Administration Commissions

- **Comm. 5 – Positioning and Measurement**
Chair: Prof. Rudolf Staiger, Germany
 - Standards, Quality Assurance and Calibration
 - Reference Frame in Practice
 - Integrated Positioning, Navigation and Mapping Systems
 - GNSS
 - Cost-effective GNSS
 - GNSS networks



FIG **New Administration Commissions**

- **Comm. 6 – Engineering Surveys**
Chair: Prof. Alojz Kopacik, Slovak Republic
 - Deformation Measurement and Analysis
 - Engineering Surveys for Industry and Research
 - Engineering Survey Data Bases and Facility Management
 - Engineering Surveys for Construction Works and Structural Engineering

Task forces

- Terrestrial Laser Scanners
- Optimal Use of Interferometric Synthetic Aperture Radar (InSAR)
- Crustal Deformation
- Monitoring and Analysis of Cyclic Deformations and Structural Vibrations
- Fibre Optic Sensors
- Terrestrial-Based RF Positioning Technologies

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FIG **New Administration Commissions**

- **Comm. 7 – Cadastre and Land Management**
Chair: Mr. András Oskó, Hungary
 - Development of pro poor land management and land administration
 - Creation sustainable land administration to support sustainable development
 - Application of innovative technology in land administration

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FIG **New Administration Commissions**

- **Comm. 8 – Spatial Planning and Development**
Chair: Mr. Simon Adcock, Australia
 - Strategy for Environmental Sustainable Development
 - Informal Settlements Issues in Spatial Development, Planning and Governance (Womanising)
 - Mega Cities
 - Disaster Management in a Global Village
 - Renewables and Recyclables
 - Coastal Settlements and Climate Change

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FIG **New Administration Commissions**

- **Comm. 9 – Valuation and the Management of Real Estate**
Chair: Prof. Kauko Viitanen, Finland
 - Compulsory Purchase and Compensations in Land Acquisition and Takings
 - Improving Slum Conditions through Innovative Financing
 - Diagnostic Tools and Prescriptive Practices for the Valuation Profession
 - Organizations of Valuers and Appraisers in Emerging Eastern European Markets
 - Geostatistics in Real Estate Market Analyses and Valuation

Task forces:

- Enhancing the adaptation of real estate valuation and management (real estate economics) to the university education of surveyors
- Organising seminar in valuation at WW in Hong Kong May 2007

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FIG **New Administration Commissions**

- **Comm. 10 – Construction Economics and Management**
Chair: Mr. Andrew Morley, United Kingdom
 - Construction Economics
 - Commercial Management
 - Project and Programme Management

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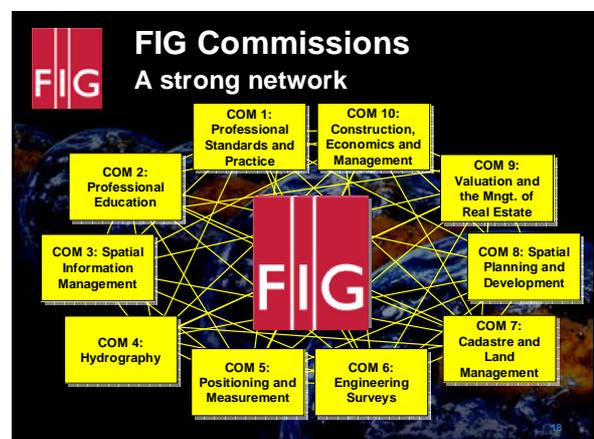


FIG Latest publications

- Freedom from Poverty
- Freedom from Fear
- Freedom to live in Human Dignity

Four FIG publications are displayed: 'Agua Calientes State', 'Proceedings', 'Marrakech Declaration', and 'Proceedings'.

FIG Latest publications

From to

FIG Statement on **DISASTER RISK MANAGEMENT** to be endorsed by General Assembly in Hong Kong 2007

FIG Latest publications

Three FIG publications are displayed: 'Enhancing the Representation of State-Represented Groups in FIG', 'Administering Marine Spaces: International Issues', and 'FIG Guide on the Development of a Vertical Reference Surface for Hydrography'.

FIG Mind the Gap

We have achieved so much ...

... we have so much more to do

FIG Change

What Changes are we facing?

- Global economy, financial and new business paradigms...
- Climatic risks and environmental disasters...
- Social patterns of poverty and migration...

FIG Challenges

What Challenges do they bring?

- Re-balancing economic aspirations across regions
- Leaving a liveable planet to our children
- Creating a peaceful and just world
- Engaging with mass information portals

FIG **Shaping**

What Shaping will lead to action?

- Energised Leadership
- Effective Policies and Organisations
- Ethical Cultures and Values
- Equitable Models for Cooperation
- Expert Knowledge to Share and Influence

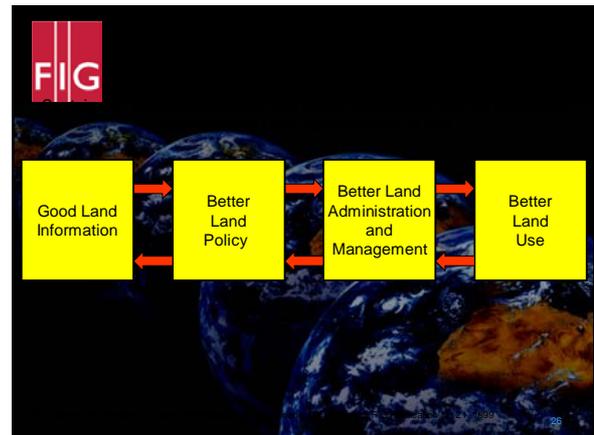


FIG **Surveyors contribute to ...**

Millennium Development Goals

- *Appropriate engagement and tool creation*

Design and implementation

- *accurate reference systems and creation of virtual infrastructures*

Upgrading

- *Settlements and slum*

eServices

- *eGovernment*
- *eLearning*

Relationship

- *Engagement with Urban-Rural*

FIG **Surveyors contribute to ...**

Resource control

- *Effective and affordable solutions*

Emergency planning and response

- *Climatic, natural and manmade disasters*

Awareness

- *Increasing knowledge of spatial solutions for other client-groups and customers*

Splitting the Paradox

- *Geoinformation acquisition and use of data from 'Mash Ups' to high quality data*

Meeting UN, Society and Customer needs and expectations

FIG **Summary of FIG Commissions 2002-2006**

- Standards are fundamental for data integration
- NSDI increase democracy though they are complex to justify in economic terms
- Harmonisation and modularisation in surveying education
- Promoting the contribution of hydrography to land management
- Inter disciplinary co-operation on global observation systems

FIG **Summary of FIG Commissions 2002-2006**

- Experience of working with new surveying technologies
- Innovative pro-poor and pro-gender land tools
- Informal settlements require access, upgrading and innovative finance
- Online transparency, availability and use of information
- Project Management, change management, sustainable procurement arrangements

FIG Surveyors should be ...

1. **Stabilisers** of public order
2. **Guardians** of rights and value of property and use
3. **Producers, administrators** and **distributors** of SDI
4. **Managers** of land, water and other natural resources
5. **Enablers, mediators** and **advisors** for urban and rural planning and development
6. **Hinges** in global, national and local early warning systems
7. **Active partners** in the development and use of innovative technology (GNSS)

Prof. Holger Magel
FIG President's speech
10th October 2006

FIG Achievements of the German Council(with T.N.!)

1. Increased Membership (more than 20 new members)
2. Stabilization of FIG's finance
3. Improvement in FIG internal communications
4. Increased Professionalism of FIG conferences
5. Improvement in FIG's public relations
6. Cooperation across the 'Geoinformation family'
7. Restructuring of FIG office and FIG Director's role

FIG FIG Council 2007-2010

New administration structure fully implemented 1.1.2007

The New President is Prof. Stig Enemark,DK

- 4 Vice Presidents:
 - Mr. Ken Allred, Canada (2007-2008)
 - Mr. Matt Higgins, Australia (2007-2010)
 - Dr. Dalal S. Alnaggar, Egypt (2007-2010)
 - Paul van der Molen, Netherlands (2007-2008)
- ACCO representative:
 - Dr. Chryssy Potsiou, Greece (2007-2008)

FIG Meeting with CIREA President Song Chunhua

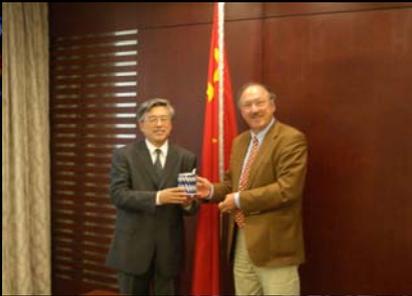


FIG Dinner with Viceminister Lu Xinshe in Beijing



FIG Good Bye and see You at

FIG Working Week 2007

Strategic Integration of SURVEYING SERVICES



13-17 May 2007