**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

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**FIG Today**

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

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**Shaping the Change**

... Surveyors' contribution is essential for the development of a country ...

Edmund Stoiber, Opening Ceremony of FIG 2006

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**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, FIG, ASEAN FLAG, CLGE and UN (WPLA, UNRCC-AP, UNRCC-A, ECA, ECE)

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**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

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**FIG**

Site Map:

- Home
- FIG Vision, Mission and Activities
- FIG Today
- FIG is growing and activities are increasing
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Organizational Structure

New Administration Commissions 2007-2010
• Comm. 1 – Professional Standards and Practice
  Chair: Yaacoub Saade, Lebanon
  – Philosophy of Surveying
  – Restructuring new issues
  – Rules and Legislations

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

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

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

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
New Administration Commissions

Comm. 6 – Engineering Surveys
Chair: Prof. Alojz Kopacik, Slovak Republic
- Deformation Measurements 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)
- Monitoring and Analysis of Cyclic Deformations and Structural Vibrations
- Fibre Optic Sensors
- Terrestrial-Based RF Positioning Technologies

New Administration Commissions

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

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 (Womenizing)
- Mega Cities
- Disaster Management in a Global Village
- Renewables and Recyclables
- Coastal Settlements and Climate Change

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 to real estate economics
  - Organising seminar in valuation at WRI in Hong Kong May 2007

New Administration Commissions

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

FIG Commissions

A strong network

COM 1: Professional Standards and Practice
COM 2: Professional Education
COM 3: Spatial Information Management
COM 4: Hydrography
COM 5: Positioning and Measurement
COM 6: Engineering Surveys
COM 7: Construction Economics and Management
COM 8: Valuation and the Management of Real Estate
COM 9: Spatial Planning and Development
COM 10: Cadastre and Land Management
**Latest publications**

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

**FIG Statement on DISASTER RISK MANAGEMENT**

To be endorsed by General Assembly in Hong Kong 2007

**Latest publications**

**Mind the Gap**

We have achieved so much …

… we have so much more to do

**Change**

**What Changes are we facing?**

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

**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
**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

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**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 slums

**eServices**
- eGovernment
- eLearning

**Relationship**
- Engagement with Urban-Rural

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**Summary of FIG Commissions 2002-2006**

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

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**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 clients 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**

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**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
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)

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 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)

Meeting with CIREA President Song Chunhua

Dinner with Viceminister Lu Xinshe in Beijing

Good Bye and see You at FIG Working Week 2007

Strategic Integration of SURVEYING SERVICES

13-17 May 2007