Building the Capacity

The FIG Agenda and Achievements 2007-2010

Prof. Stig Enemark



FACING THE CHALLENGES – BUILDING THE CAPACITY FIG CONGRESS, SYDNEY, AUSTRALIA, 11-16 APRIL 2010

The FIG Agenda

"Building the Capacity"

through

"Flying high and Keeping the feet on the ground"



The theme "Building the Capacity" relates to flying high and also keeping our feet on the ground. I suggest we give priority to the fol-









- Promoting and Enhancing the Role of FIG
 Professional Development, providing the international forum for development and innovation in all aspects of the surveying discipline.
- discipline.

 Capacity Building, including a Task Force on Organizational and Institutional Development (slobal Development, including increased cooperation with the UN agencies, and our sister organisations. Linking, strengthening the links between the global agenda and the surveying grass most.
- Continuing and Enhancing the Dialogue with the Member Associations
 Promoting the benefits of being a member
- Increasing the member base Ongoing development and implementation of the information and communication policy

3. Promoting FIG as a Truly Global

- Organisation

 Encousaging global representation in council and commission officers

 Encousaging global distribution of and representation at the FIG conference, seminass etc.

 Interaction with regional organisations and activities and respecting cultural diversity



- Responding to the Millennium Goals
 Task Force to develop a FIG Policy in cooperation with the UN agencies and especially the World Bank.
 High level FIG/WB conference in 2008 to promote the FIG global profile in this area

- Revising the Conference Structure
 Even years: Major conference such as congress or major Working Week
 Odd years: Working Week and regional conferences in partnership with the UN organisations
- Council initiated expert symposia on topical issues e.g. linked to National events
 FIG Office to ensure administrative, organisational and financial sustainability

6. Empowering ACCO and the Commission Activities

- Activities

 ACCO as a dynamic forum for policy making and professional development

 Enhancing the profile of the technical programme at the conferences

 Establishing an FIG virtual journal with peer
- Stabilishing air riv witual journal with per reviewed papers
 Preparing a starting pack with guidelines for vice-chairs and the chairs elect
 Establishing task forces to deal with inter-commission activities and policy implementations.

implementation









The FIG Agenda

Flying High

Global partnership with the UN-agencies incl. the World Bank in support of the global agenda such as the MDGs

Keeping the feet on the ground

Professional and institutional development at regional, national, and local level in support of the needs of our member associations and individual surveyors.





Current FIG Policies

Is the role of the Surveyors changing?

FIG Policies - the big swing

From Measurement

Surveyors will still be high level experts within measurement science, but due to technology development the role is changing into managing the measurements

To Management

Surveyors will increasingly contribute to building sustainable societies as experts in managing land and properties

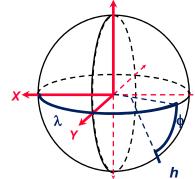
The Land Professionals

Positioning infrastructures

Versus traditional Geodetic Datum

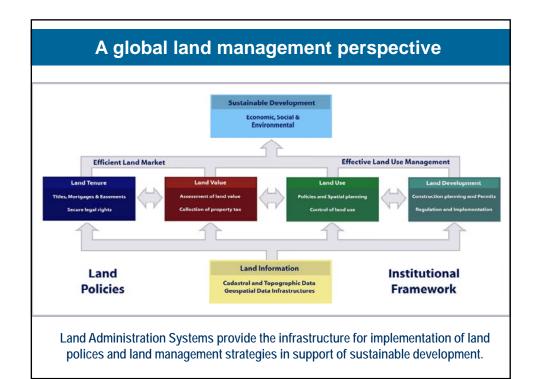
Enables description of position as latitude, longitude and height and underpins all geo-spatial data;

- · Characteristics:
 - Coverage initially local but has evolved to national and continental;
 - Measurement initially ground based, labor intensive, now more efficient using GNSS;
 - Data management initially very analogue but now a key part and often integrated in Spatial data Infrastructures (SDI)



Positioning infrastructures are the only truly global infrastructure underscoring capture and management of spatial data world wide

Source: Matt Higgins, Washington, 2009



Professional Development

 Global forum for professional discussions and interactions through conferences, symposia, commission working groups,

Institutional Development

 Capacity building through Institutional support for educational and professional and institutional development at national level

Global Development

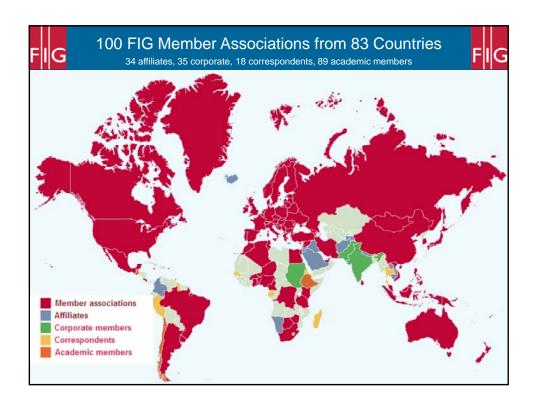
- Cooperation with the UN agencies, FAO, UN-HABITAT and World Bank, and sister organisations through Joint Board of Geospatial Information Societies.

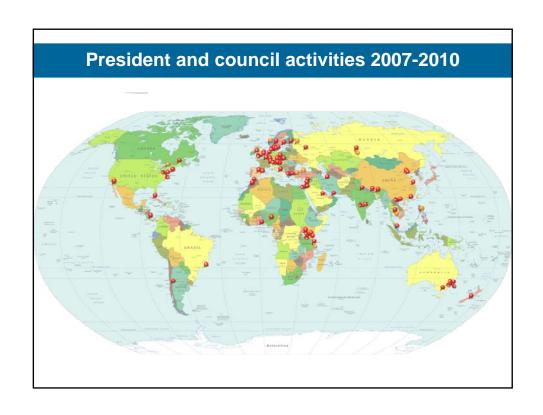
Information and Communication

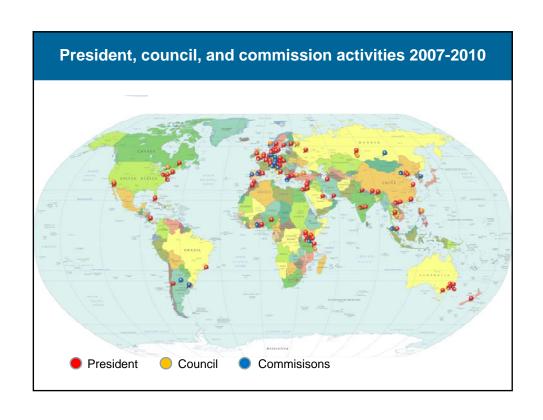
- Website, annual review, publications

FIG Office

- Administration, finances, services







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FIG Conferences 2007

FIG Working Week, Hong Kong

- Highly successful conference
- Well focused and managed by the Hong Kong hosts
- Setting the scene for the four year term of officee



FIG Regional Conference, San Juan, Costa Rica

- Vey successful conference
- Clear focus on the key regional issues
- Publication on Pro-poor Coastal Zone Management contributing to the regional and global agenda

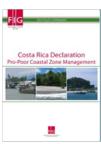




FIG Working Week Stockholm, Sweden

- Highly successful conference
- Integrate seminar on improving slum conditions through innovative financing
- Strengthening co-operations with UN-Habitat
- Publication contributing to the global agenda







- FIG Working Week, Eilat, Israel
 - Highly successful conference
 - Well focused and managed by the Israeli hosts
 - Strengthening the FIG brand in the global surveying community





- Highly successful conference
- Clear focus on the key regional issues
- Strengthening co-operations with FAO
- Publication on Land Acquisition contributing to the regional and global agenda





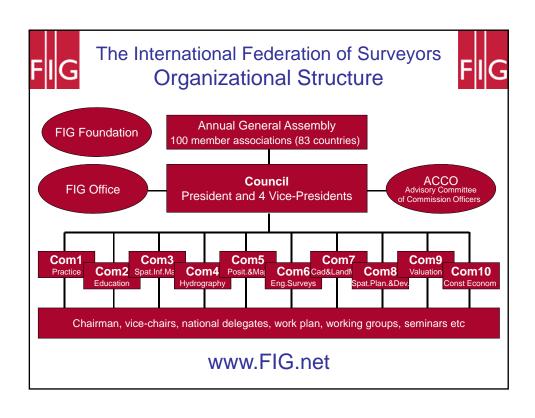
Professional Development – the Commissions

The heart and engine of FIG

- Providing the technical programme for the FIG conferences
- · Highly successful work plans
- Annual meetings and workshops
- Commission newsletters and high level publications on key professional issues
- Allows in principle everyone to participate in the FIG activities
- National delegates ensure interaction with the wider FIG membership
- A powerful concept for professional development









Commission 6, Engineering Surveys

WG 6.1 Deformation Measurement and Analysis

WG 6.2 Engineering Surveys for Industry and Research

WG 6.3 Engineering Survey Data Bases and Facility Management

WG 6.4 Engineering Surveys for Construction Works and Structural Engineering

WG 6.5 Terrestrial Laser Scanners

Commission 7, Cadastre and Land Management

WG 7.1 Development of Pro-Poor Land management and Administration

WG 3.2 Land Administration to Support Sustainable Development WG 3.3 Application of Innovative Technology in Land Administration

Commission 8, Spatial Planning and Development

WG 8.1 Planning Strategy for Urban Development and Regeneration

WG 8.2 Informal Settlements Issues in Spatial Development, Planning and Governance

WG 8.3 Re-engineering Mega Cities

WG 8.4 Urban Planning in Coastal Regions

Commission 9, Valuation and the Management of Real Estate

WG 9.1 Compulsory Purchase and Compensations in Land Acquisition and Takings

WG 9.2 Improving Slum Conditions through Innovative Financing

WG 9.3 Diagnostic Tools and Prescriptive Practices for The Valuation Profession

WG 9.4 Review of Valuation Methods and Standards Worldwide WG 9.5 GIS-analyses in Real Estate Market Analyses and Valuation

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Commission 10, Construction Economics and Management

WG 10.1 Construction Economic

WG 10.2 Commercial Management

WG 10.3 Project and Programme Management











Commission 1 – regional development

Regional development
 Focus on the regional recognition

for capacity development

Young generation

Promoting the young surveyors perspective

National authorities

promoting public private partnership



Commission 2 – building the capacity

 Annual meetings and seminars

Enhancing the commission work plan and working groups through annual meetings and seminars

Publication

on e-Learning in Surveying Education
Feeding into the council agenda of building the capacity



Commission 3 – SDI for Mega Cities

 Annual meetings and seminars

Enhancing the commission work plan and working groups through annual meetings and seminars

Publication

Addressing the global agenda on urban growth, informal development,. and the role of SDI for mega cities.

Project with UN-Habitat

Informal development

- case study on Albania and Greece

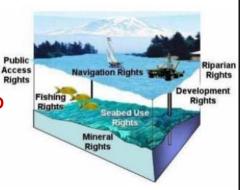


Commission 4 – administering marine spaces

• Focus on coastal zone management

Successful working group on administering marine spaces

 Strong interaction with IHO promoting common curricula and international guidelines for national certification of hydrographers



- Publications (to follow)
 - Economic benefits of hydrography; Guidelines for port hydrography

Commission 5 – global positioning infrastructures

- Strong commission network
 - Highly successful conference programmes to enhance the commission work plan
- Strong interaction with IAG
- Strong cooperation with UN-OOSA
- Publication

on Cost Effective GNSS Positioning Techniques Contributing to the global agenda



Commission 6 – positioning accuracy

 Strong commission network Active working groups

Development through seminars and workshops



Lake Baikal, June 2009

Strong interaction with ISPRS

Terrestrial laser scanning and image processing

Machine control and guidance

New topic precise positioning guidance for e.g. agricultural machinery



Lisbon. May 2008

Commission 7 – secure land tenure

Strong commission network

Annual meetings and international seminars Focus on land administration for sustainable development

Project with UN-HABITAT

Building a pro-poor cadastral domain The Social Tenure Domain Model

Project with FAO

Open source software in support of **Land Administration**

Publications

STDM - Social Tenure Domain Model FLOSS - Open Source Software



Commission 8 – sustainable places

People and places

Focus on sustainability and planning for the people

Project with UN-HABITAT

Women's access to land and Gender evaluation criteria

- Africa Task force chair
- SIDS seminar Coordinator
- Publication: on The Road to Sustainable Places
 To follow: Issues in Coastal Development (joint with Com 4)





FIIG

Commission 9 - land acquisiton

Successful seminars

Compulsory purchase and compensation Valuation and management of real estate

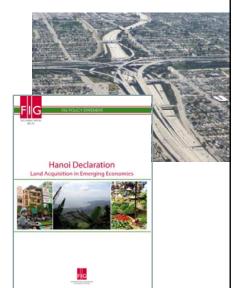
Contributing to the seminar on Improving Slum Conditions through Innovative Financing in cooperation with UN-HABITAT

Publications

Hanoi Declaration

To follow:

Compulsory purchase and compensation



Commission 10 – project management

 Focus on project management

Developing project management as a mainstream issue within FIG



Innovations within construction economics

International cooperation

Pacific Association of Quantity Surveyors and signed agreement between six regional and national organisations of quantity surveyors.

The Commissions – ongoing innovation

- There are many other achievements by Commissions not listed above. They are in the form of workshops at FIG events, specialist events and liaisons with international partners and sister associations;
- Ensure appointment of national delegates to participate in the work of the commissions.
- Work Plans of the new Commission Chairs for 2011 - 2014 are being developed now and discussed here in Sydney.
- Now is the time to have input and get involved.





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Global Development

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Information and Communication

- Website, annual review, publications

FIG Office

- Administration, finances, services

Institutional Development - highlights

Capacity Building

A broad concept – including societal. Institutional and individual level.

Addressed through FIG activities at all levels, council, task forces, commissions. Providing guidance for government, members associations and individual surveyors on capacity development.

Peer Review

Has been introduced at FIG Working weeks since Stockholm 2008. Formalised process for quality enhancement and recognition in academia.

A proper balance between peer reviewed and professional papers must ensured. Around 100 peer reviewed paper in Sydney out of around1000.

Peer reviewed papers will appear at a special section of the FIG web site that will function like an on-line journal.



Thanks to Chryssy, Rudolf - and the Office

Institutional Development – more highlights

Africa Task Force

Enabling the surveying profession in Sub Saharan Africa to better deal with social responsibility in terms of contributing to the MDGs

Regional Co-operation

FIG is supportive to regional structures like CLGE, FGF, AUS, ASEAN Flag etc..they hold a lot of potential.

Director General's Forum

Has been very well received as an opportunity of interaction between the CEOs and professional practice. Improving Affiliate Membership of FIG

Young Surveyors

This new initiative has been very successful and highly appreciated. The engagement and encouragement of the young surveyors must be sustained and improved. The interaction benefits both the young surveyors and the Federation as a whole.





FIG Achievements

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Do Surveyors have a role to play in the global agenda?

Yes!

Simply, no development will take place without having a spatial dimension

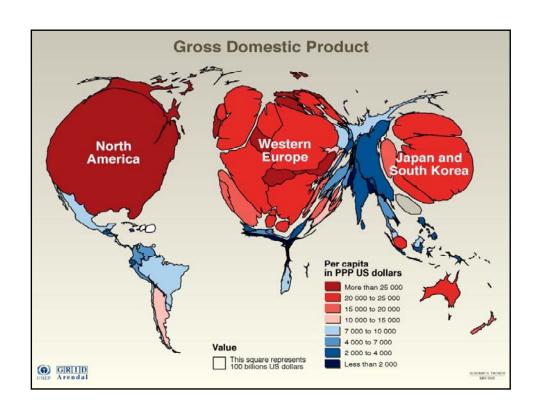
And no development will happen without the footprint of the surveyor

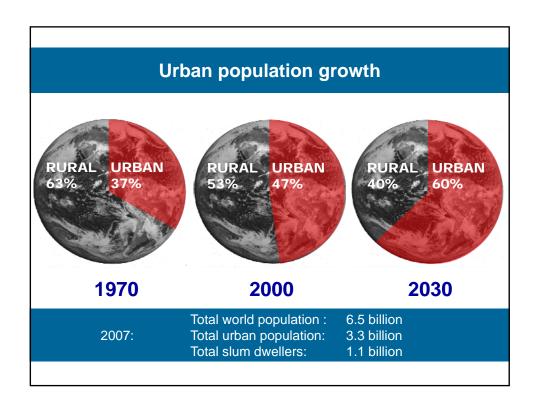
The Global Agenda The Millennium Development Goals

- Goal 1: Eradicate extreme poverty and hunger
- Goal 2: Achieve universal primary education
- Goal 3: Promote gender equality and empower women
- Goal 4: Reduce child mortality
- Goal 5: Improve maternal health
- Goal 6: Combat HIV/AIDS, malaria and other diseases
- Goal 7: Ensure environmental sustainability

Goal 8: Develop a Global Partnership for Development

The framework includes 18 targets and 48 indicators enabling the ongoing monitoring of annual progress









Partnership with FAO

MoU signed 2007

Cooperation in a range of areas:

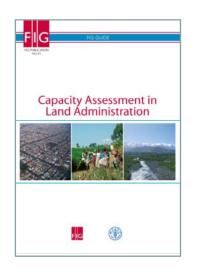
Land acquisition, expropriation and compensation

Management of state lands

Capacity building in land administration

Open source platforms in land administration

Voluntary Guidelines on Tenure of Land and other Natural resources



Partnership with the UN-HABITAT

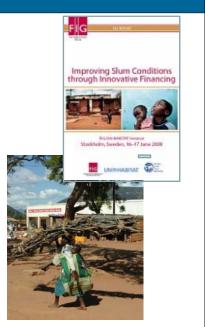
MoU signed 2002

Strong partnership (from 2007) within the Global land Tool Network (GLTN) on developing pro-poor land tools. Member of the GLTN International Advisory Board

Project on **Informal Development in Europe** (Chryssy Potsiou) Case study on Albania and Greece

Project on **Gender Evaluation Criteria** (Diane Dumashie)

Project on the **Social Tenure Domain Model** in support of the GLTN agenda on continuum of land rights.



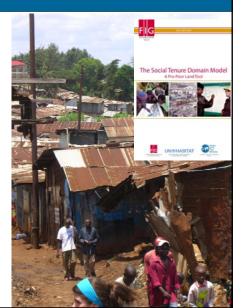
...Partnership with UN-Habitat

Traditional cadastral systems do not provide for security of tenure in informal settlements.

A more flexible system is needed for identifying the various kind of social tenure existing in informal settlements.

Such systems must be based on a global standard and must be manageable by the local community itself:

The Social Tenure Domain Model.



Partnership with the World Bank

MoU signed May 2007

Strong partnership on Land Governance in support of the MDGs

Joint FIG-WB Conference March 2009 on Land Governance in support of the MGDs. More than 200 invited experts from throughout the world - a major achievement

Joint publication and declaration contribution to the global agenda and the global recognition of the surveying profession

Partnership on the global agenda ahead – the contribution of Land Governance to the mega challenges of climate change, disasters, rapid urbanisation, etc.



Facing the new challenges

- Climate change
- Food shortage
- Energy scarcity
- Urban growth
- Environmental degradation
- Natural disasters
- Global financial crisis

All these challenges relate to governance and management of land The surveyors – the land professionals - play a key role

Global partnership drives development for achieving the MDGs

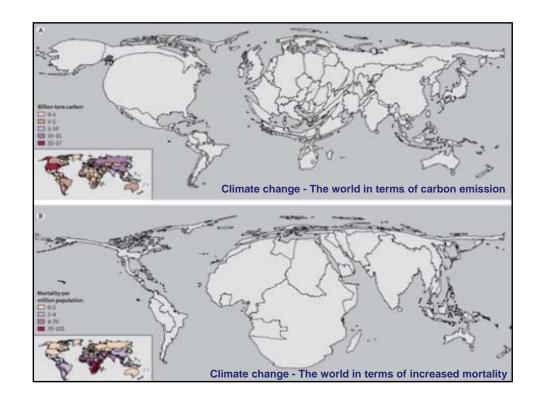
Global recognition

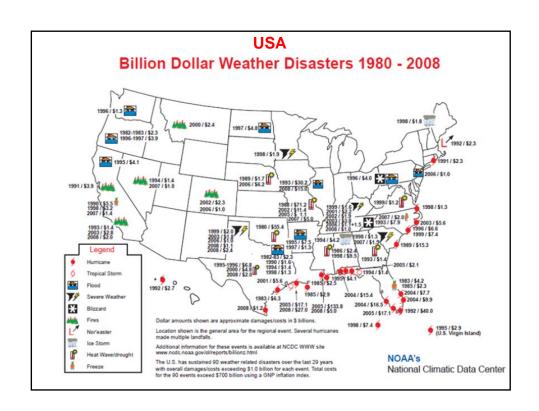


national recognition

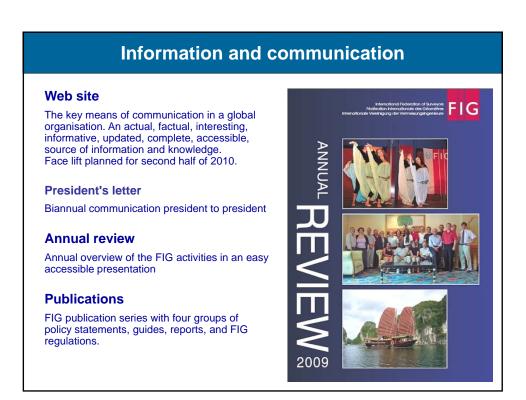


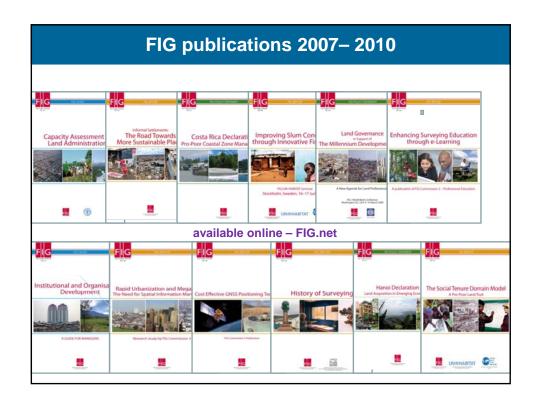
local recognition

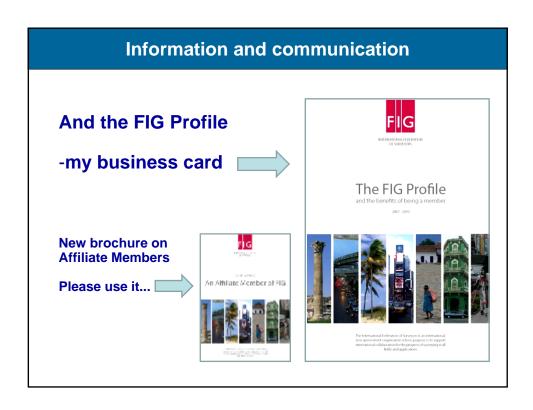




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Management and administration

FIG Office

General administration; financial management, member services; council and commission support and services; general communication; event management.

- The high level of activity and development in the Federation can only be sustained by highly professional administrative support.
- A small administration is vulnerable just like any small company. Documented sustainable procedures are crucial to safeguard against any staffing problems that may occur – no matter how professional they are.
- A lot of efforts has gone into building a highly professional Office delivering high level services to our members.
- A full flashed office business plan following ISO standards should be ready by the end of 2010 when I step back as President.









President's slogan

Flying High

- Contributing to the global agenda

Keeping the feet on the ground

- Driving professional development

Was that possible? Yes – we can





Looking to the Future

Contributing to the Global Agenda
The big challenges ahead such climate change;
natural disasters; urban growth; poverty
reduction; environmental degradation; etc...will require continuous attention. FIG should still fly high.

Identity and recognitionThis will depend on well we can continue to contribute to the global agenda and show the value of the land professionals as a key player.

The Commissions
Professional development and innovation in all areas of surveying will always be in the heart of the Federation. The Commissions are the key driver of this in cooperation with national delegates. This is a very powerful concept to be further enhanced in the future.

Outreach

There is a need for better explaining the relevance of the FIG activities to the wider membership. This is a big challenge that can only be met through kind of partnership between FIG and the national member associations.



