Integrating Land Management, Cadastre and Geodesy

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INTERNATIONAL SEMINAR
INTEGRATING LAND MANAGEMEMNT, CADASTRE AND GEODESY IN THE CIS COUNTRIES
NOVOSIBIRSK, RUSSIA, 20 APRIL 2009

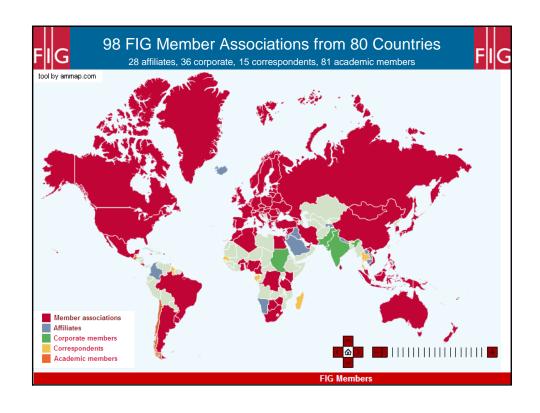
Outline of Presentation

The FIG Agenda

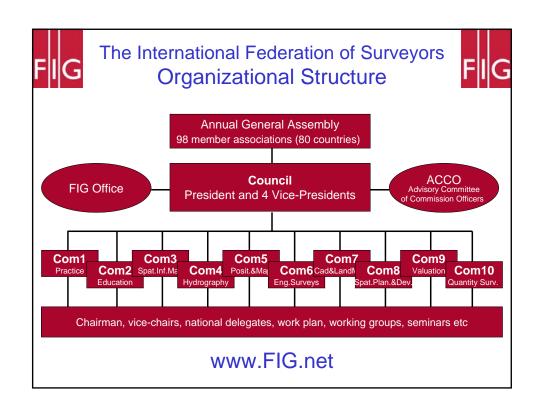
- A global NGO
- The role of FIG

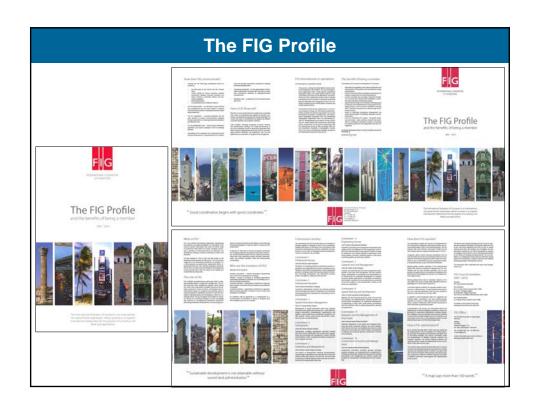
Integration of Land management, Cadastre and Geodesy

- The concepts
- The integrating toward sustainable land governance









Current FIG Policies

- Flying high
 - Global partnership with the UN-agencies incl. the World Bank in support of the global agenda such as achieving the MDGs
- · Keeping our feet on the ground
 - Professional and institutional development at national and local level in support of the needs of our member associations and the individual surveyors.

Current FIG Policies

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

FIG Global Partnership with

- FAO, projects on capacity building,
 good governance, land economics, etc....
- UN-HABITAT, partner in the GLTN network, projects on informal settlement, informal development, gendered land tools, etc....
- World Bank, joint activities and publications, and joint conference March 2009 on Land Governance in support of the MDGs





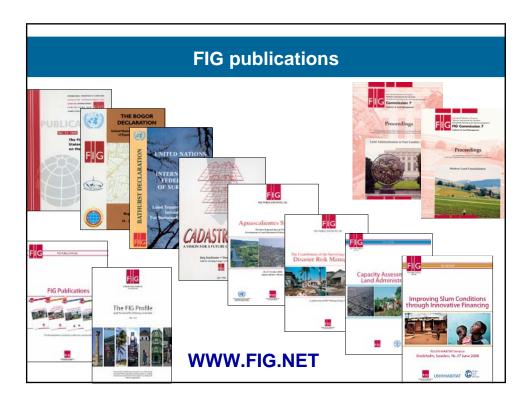


The Role of FIG

- Professional Development
 - Global forum for professional discussions and interactions
 - Conferences, symposia, commission working groups,
- Institutional Development
 - Institutional support for educational and professional development at national and international level
 - Building the capacity
- Global Development
 - Cooperation with international NGO's such as the UN agencies, World Bank, and sister organisations
 - Joint activities and common policy-making to reduce poverty and enforce sustainable development

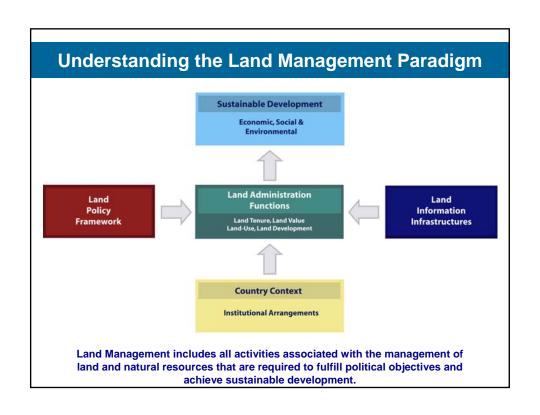
The Role of the Surveying Associations

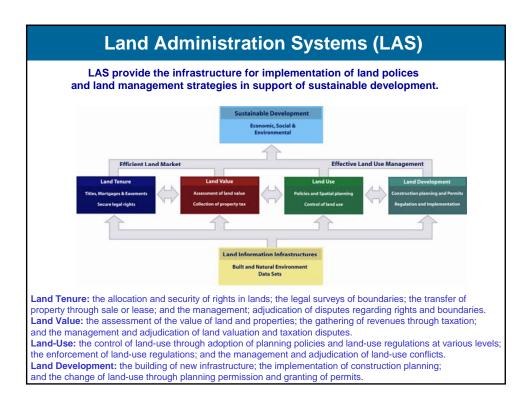
- Professional Skills
 - High level education and training
 - CPD opportunities and requirements.
- · Professional Responsibilities
 - Toward the clients
 - Toward society
 - Strong professional organisations
- Professional and Ethical Codes of Conduct
 - Providing common values of honesty, integrity, responsibility
 - Standards for delivery of professional services
 - Indemnity insurance

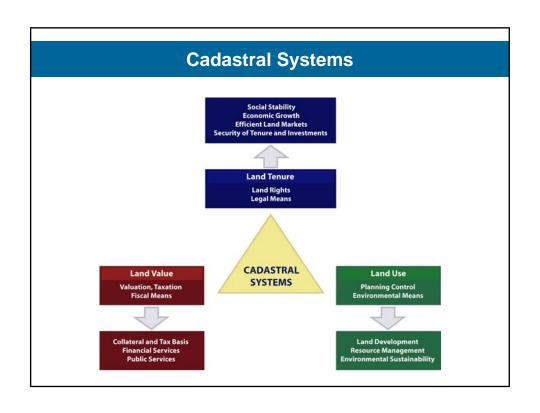


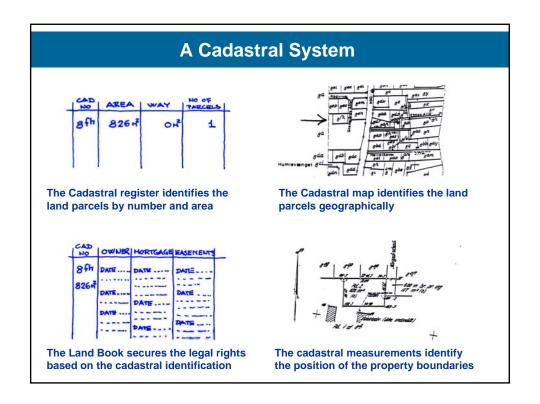
Integrating Land Management, Cadastre and Geodesy?

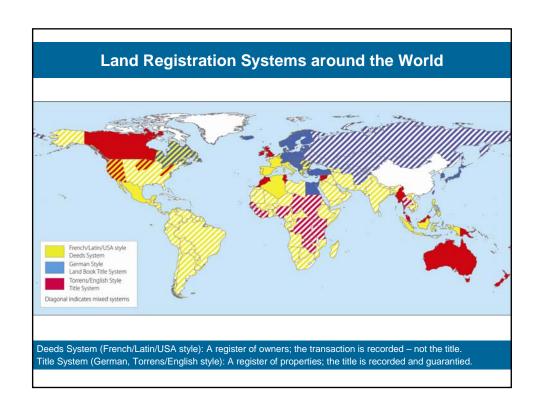
Yes - we can!







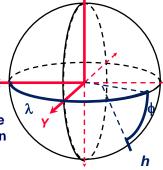




Positioning infrastructures

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)

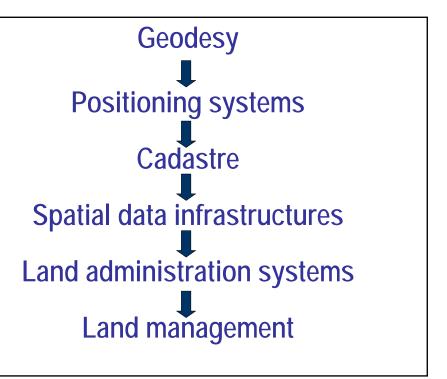


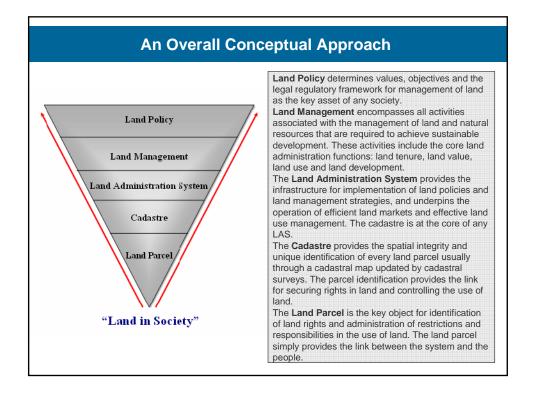
Positioning Infrastructures are the only truly global infrastructure underscoring capture and management of spatial data world wide

Source: Matt Higgins, Washington, 2009

Integrating Land Management, Cadastre and Geodesy?

Yes - we can!





Land Governance

Land Governance is about the policies, processes and institutions by which land, property and natural resources are managed.

This includes decisions on access to land; land rights; land use; and land development.

Land Governance is about determining and implementing sustainable land policies.

The role of the surveying profession

Land governance and management is a core area for surveyors – the Land Professionals. It will require:

- High level geodesy models to predict future change
- Modern surveying and mapping tools to support management and implementation
- Spatial data infrastructures to support decision making on the natural and built environment
- Secure tenure systems
- Sustainable systems for land valuation, land use management and land development
- Systems for transparency and good governance

Land governance is a cross cutting issue confronting all traditional silo-organised systems.

