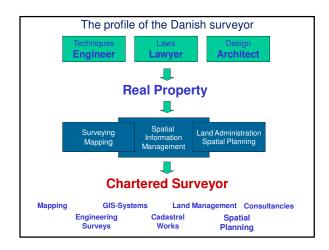
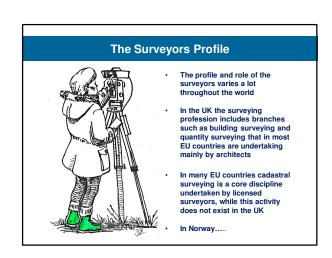


The global surveying profession

The core disciplines:

- Surveying and mapping (land, engineering, buildings, marine)
- Geospatial information management (GIS, remote sensing, analysis, and presentation)
- Cadastral management (boundaries, land tenure arrangements)
- Land valuation and economics (expropriation, compensation, taxation)
- Land use planning and development (design and implementation)





Facing the global agenda Norweglan Ses Norweglan

Outline of presentation

The global agenda

Facing the Millennium Development Goals

From measurement to management

• The changing role of the surveyors

Land governance

Managing land rights, restrictions, and responsibilities

Spatially enabled government

The significant role of the cadastre

The role of FIG

Capacity development to face the challenges

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

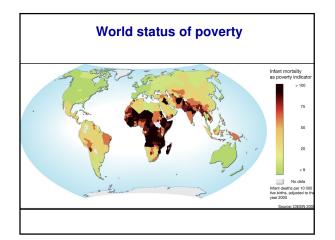
And no development will happen without the footprint of the surveyor

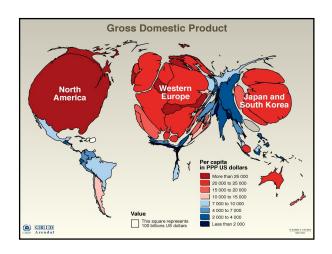
The Millennium Development Goals

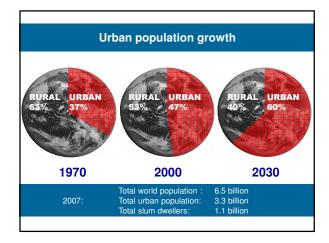
- Goal 1: Eradicate extreme poverty and hunger Goal 2: Achieve universal primary education
- Goal 3: Promote gender equality and empower women
- Goal 4: Reduce child mortality Goal 5: Improve maternal health
- Goal 6: Combat HIV/AIDS, malaria and other diseases
- Goal 7: Ensure environmental sustainability

Goal 8: Develop a Global Partnership for Development

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











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Is the role of the surveyors changing?

The role of surveyors is changing

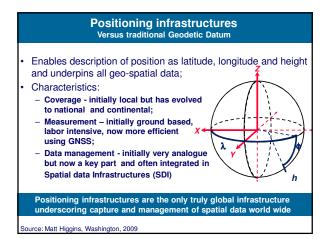
From measurement

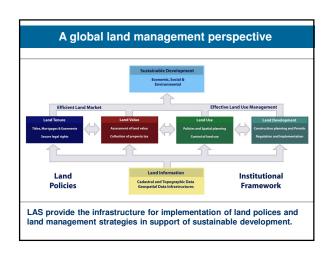
Surveyors will still be high level experts within measurement science, but due to technology development the role is changing more into managing the measurements

To management

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

The land professionals





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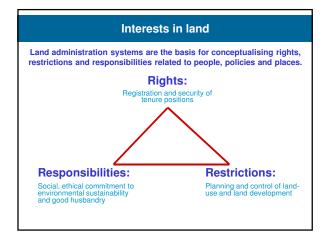
Capacity development to face the challenges

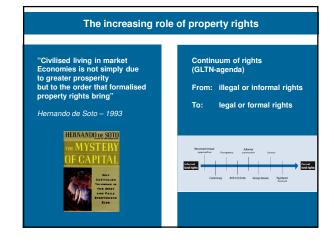
Land governance

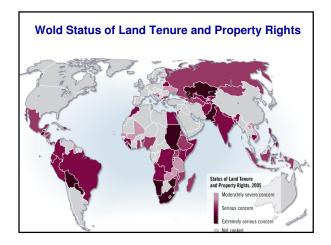
Land governance is about the policies, processes and institutions by which land, property and natural resources are managed.

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

Land governance is about determining and implementing sustainable land policies.





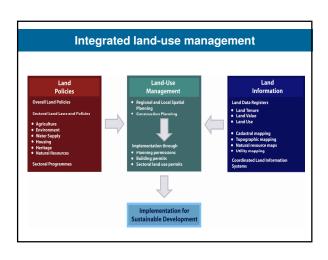


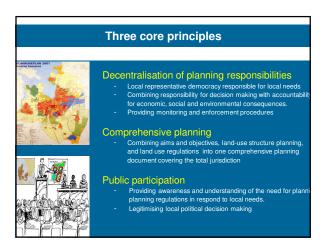
What is a good property system?

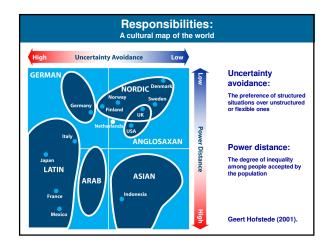
- People in general can participate in the land market; widespread ownership; everybody can make transactions and have access to registration
- The infrastructure supporting transactions must be simple, fast, cheap, reliable, and free of corruption.
- The system provides safety for housing and business, and for capital formation

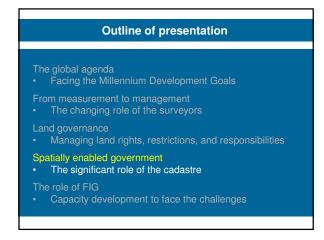
Only 25-30 countries in the world apply to these criteria.

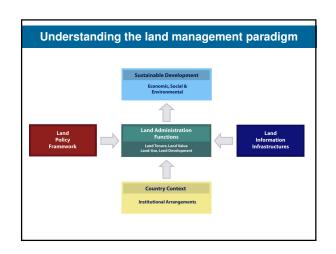
Property Restrictions - two conflicting approaches • The free market approach (current debate in the US) - Land owners should be obligated to no one and should have complete domain over their land. - The role of government to take over, restrict, or even regulate its use should be non-existent or highly limited. - Planning restrictions should only be imposed after compensation for lost land development opportunities • The central planning approach (European perspective) - The role of democratic government include planning and regulating land systematically for public good purposes. - A move from every kind of land use being allowed unless it was forbidden to every change of land use is forbidden unless it is permitted and consistent with adopted planning regulations and restrictions.

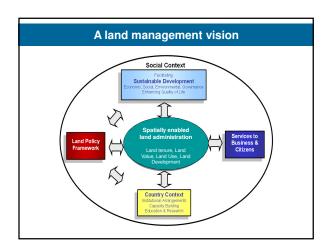












Place matters

Everything happens somewhere

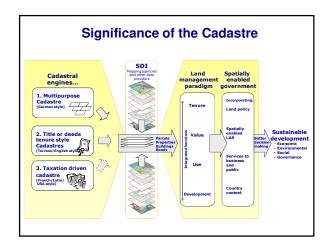
If we can understand more about the nature of "place" where things happen, and the impact on the people and assets on that location, we can plan better, manage risk better, and use our resources better.

"Heading toward spatial enabled society"

Spatially Enabled Government

A spatially enabled government organises its business and processes around "place" based technologies, as distinct from using maps, visuals, and webenablement.

The technical core of Spatially Enabling Government Is the spatially enabled cadastre.



Land Governance — a hierarchy of land issues Land policy Land management paradigm Land adm. system SDI Cadastre Land parcel "Land in Society"

Sustainable and locally responsive: It balances the economic, social, and environmental needs of present and future generations, and locates its service provision at the closest level to citizens. Legitimate and equitable: It has been endorsed by society through democratic processes and deals fairly and impartially with individuals and groups providing non-discriminatory access to services. Efficient, effective and competent: It formulates policy and implements it efficiently by delivering services of high quality Transparent, accountable and predictable: It is open and demonstrates stewardship by responding to questioning and providing decisions in accordance with rules and regulations. Participatory and providing security and stability: It enables citizens to participate in government and provides security of livelihoods, freedom from crime and intolerance. Declicated to integrity: Officials perform their duties without bribe and give independent advice and judgements, and respects confidentiality. There is a clear separation between private interests of officials and politicians and the affairs of government. Adapted from FAO, 2007



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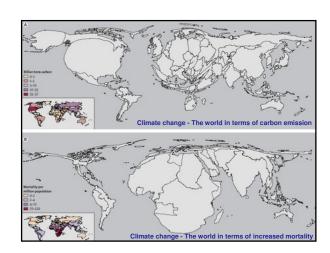
Capacity development to face the challenges

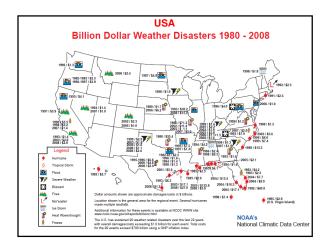
Facing the new challenges

Focusing on land Governance and achieving the MDGs, also includes facing the big challenges of the new millennium:

- · 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





The role of the surveying profession

Land governance and management is a core area for surveyors/geo-spatial profession. It will require:

- High level geodesy models to predict future change Modern surveying and mapping functions to support management and
- 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 land administration systems.

