Buenos dias, queridos colegas

Cadastre and Land Management

A Global Approach

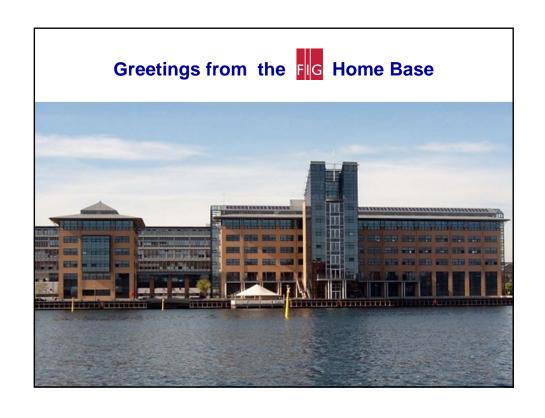
Prof. Stig Enemark

FIG President

Aalborg University, Denmark

XI INTERNATIONAL CONGRESS
OF GEOMATICS, GEODESY, TOPOGRAPHY AND CADASTRE IN REAL-TIME
SAN JOSÉ, COSTA RICA, 16 - 18 September 2010











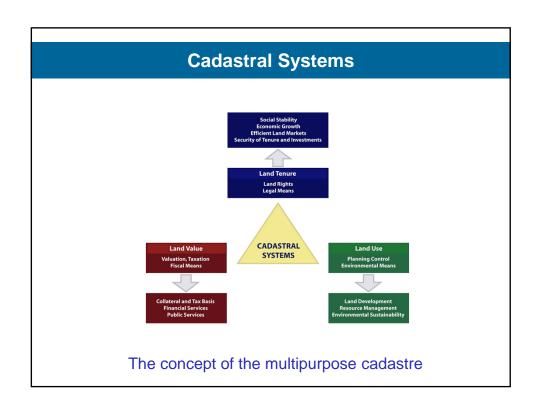
Outline of Presentation

Land Administration Systems

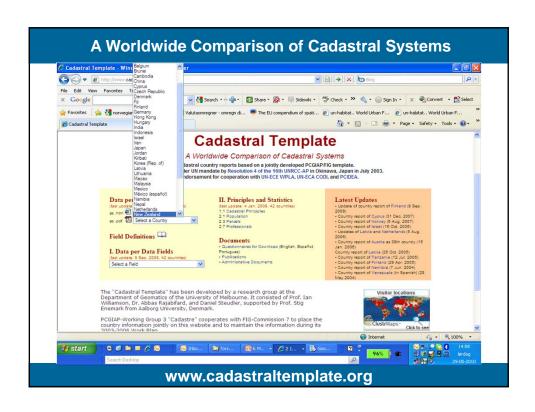
- Rights Restrictions Responsibilities
- Significance of the Cadastre

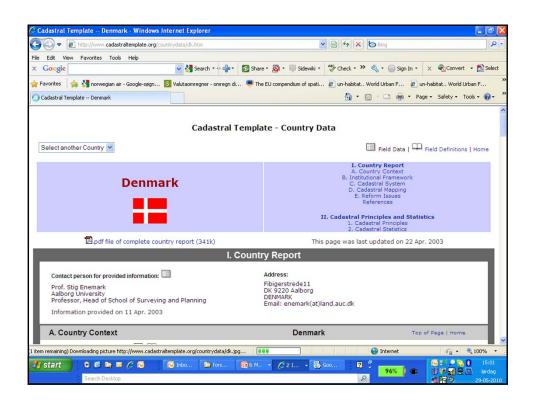
Education and Professional Practice

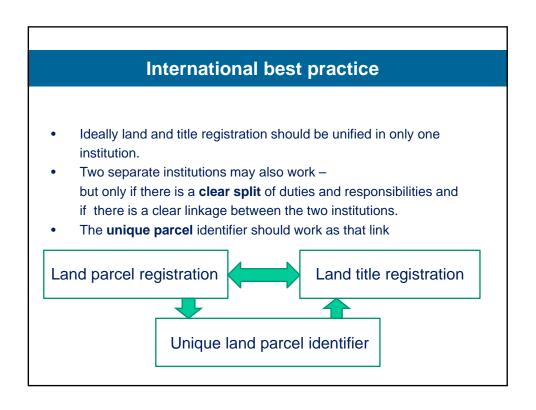
- The Role of Land Professionals
- The Educational Profile

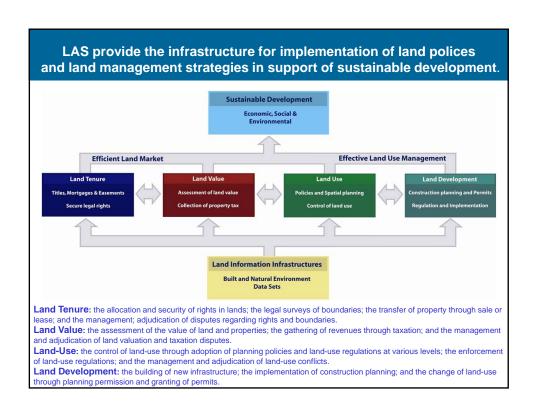












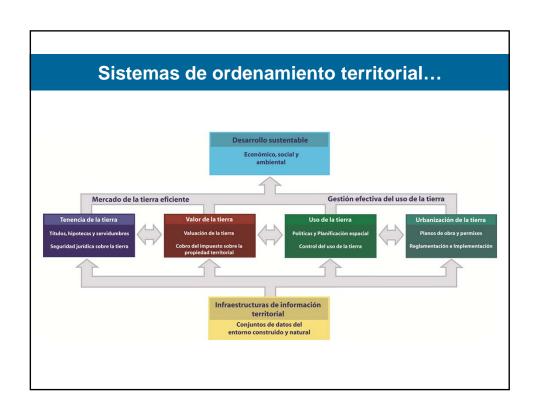
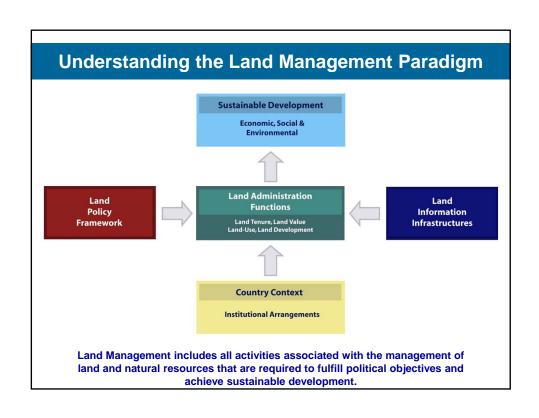


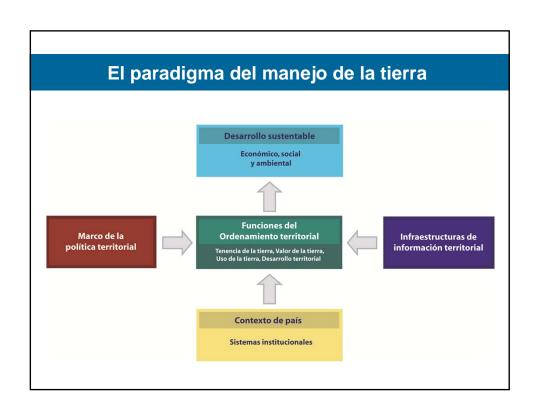
TABLE 1.1 - TRADITIONAL BENEFITS OF LAS	
Support for governance and rule of law	The formalization of processes used for land management engages the public and business, and, in turn, this engagement leads to their support for the institutions of government.
Alleviation of poverty	A primary means of alleviating poverty lies in recognizing the homes and workplaces of the poor and their agricultural land as assets worthy of protection.
Security of tenure	This is the method of protecting people's associations with land. It is the fundamental benefit of formal land administration. Ensuring security throughout the range of tenures used in a country helps provide social stability and incentives for reasonable land use. Conversion of some of the rights into property is the core process of commodifization of land needed for effective markets.
Support for formal land markets	Security and regularity in land arrangements are essential for successful, organized land markets. LAS manage the transparent processes that assist land exchange and build capital out of land.
Security for credit	International financing norms and banking practices require secure ownership of land and robust credit tenures (that is, tenures which support security interests in land) that can only exist in formal LAS.
Support for land and property taxation	Land taxation takes many forms, including tax on passive land holding, on land-based activities, and on transactions. However, all taxation systems, including personal and company taxation, benefit from national LAS.
Protection of state lands	The coherence of national LAS is dependent on its coverage of all land. Thus, management of public land is assisted by LAS.
Management of land disputes	Stability in access to land requires defined boundaries, titles, and interests. If LAS provide simple, effective processes for achieving these outcomes, land disputes are reduced. The systems also need additional dispute management processes to cover breakdown caused by administrative failure, corruption, fraud, forgery, or transaction flaws.
Improvement of land planning	Land planning is the key to land management, whether the planning is institutionalized within government or achieved by some other means. Impacts of modern rural and urban land uses affect adjoining land and beyond. These impacts need to be understood and managed by effective land planning assisted by LAS.
	Williamson, Enemark, Wallace, Rajabifard, 2010

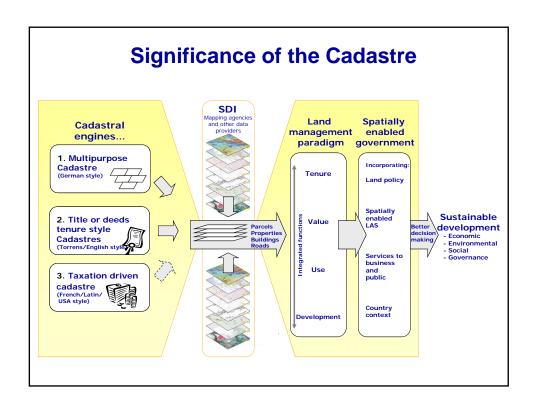
What is a good property system?

- 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.







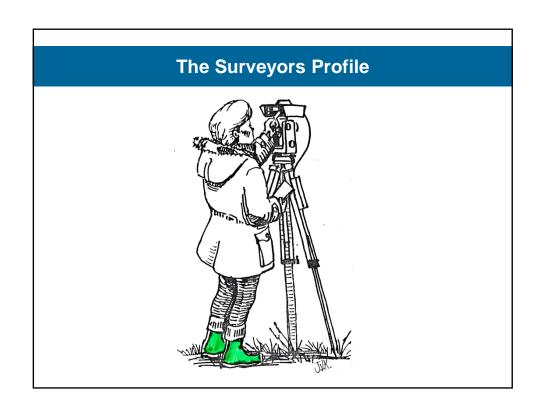
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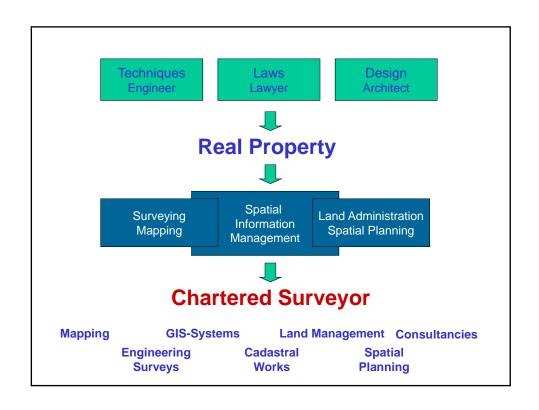
Land Administration Systems

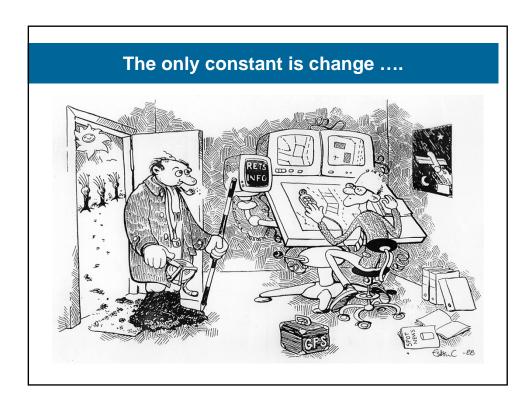
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Private Licensed Surveyors



- Liberal profession (such as lawyers, veterinarians, etc.)
- Licensed for boundary determination and cadastral work such as parceling out
- Work areas also include:

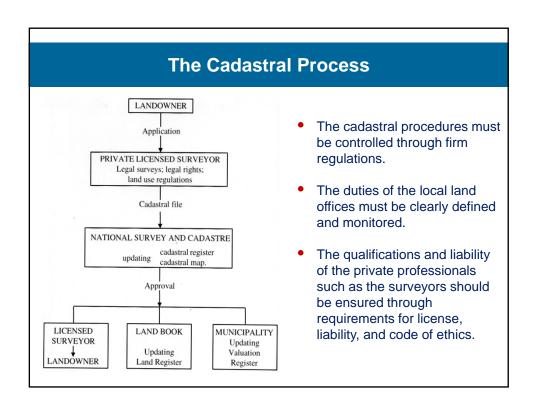
Mapping

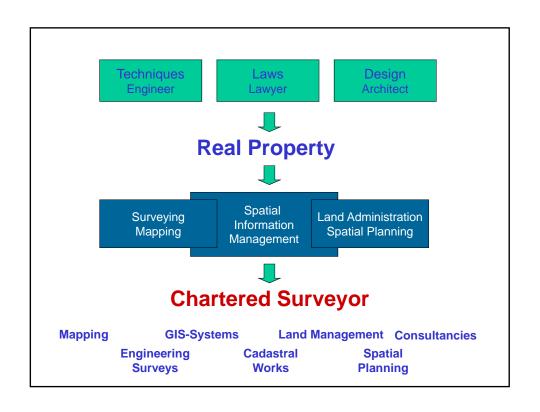
Engineering surveys

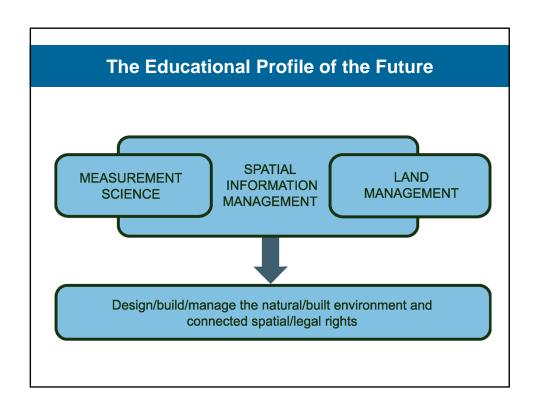
GIS

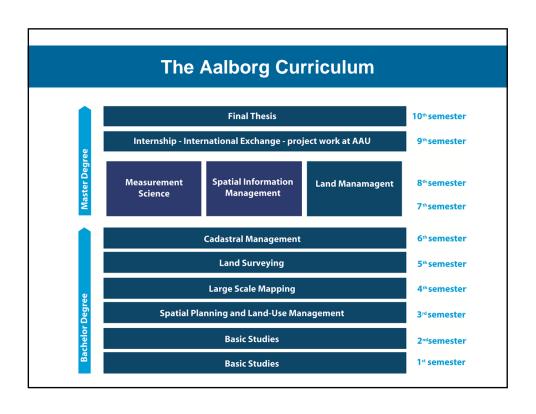
Consultancy on real estate and land law issues

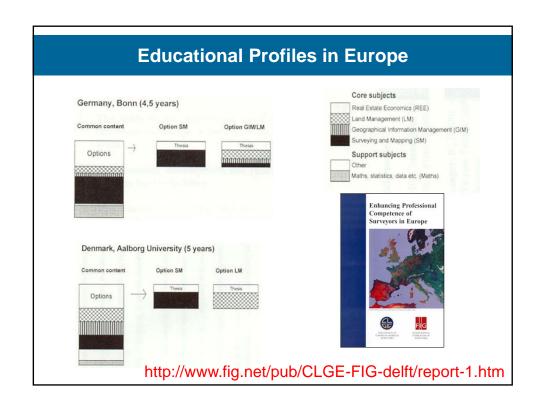
• About 1 licensed surveyor for 10,000 people











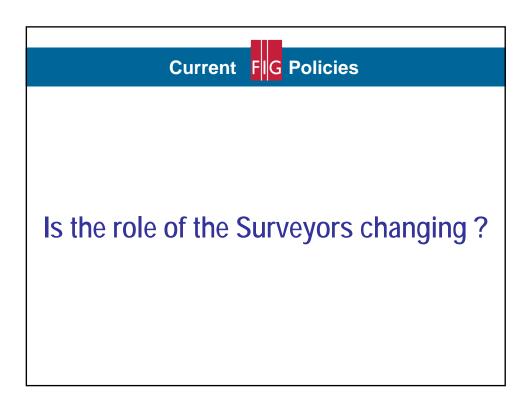


FIG Policies - the big swing

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

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

The role of the land professionals

Dealing with the land issue will require skills in the following areas:

- 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 and sustainable systems for land valuation, land use management and land development
- Systems for transparency and good governance

Land governance is an interdisciplinary and cross-cutting area mixing technical, natural and social science

