

The e-Future Challenge

Prof. Stig Enemark
Aalborg University, Denmark
Vice-President of 

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Greetings from Wonderful Copenhagen



Greetings from the home base



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Landinspektørens hus
The Surveyors' House
 Den danske Landinspektørforening
The Danish Association of Chartered Surveyors
 International Federation of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure

Greetings from Aalborg – my Home Town



Good Governance

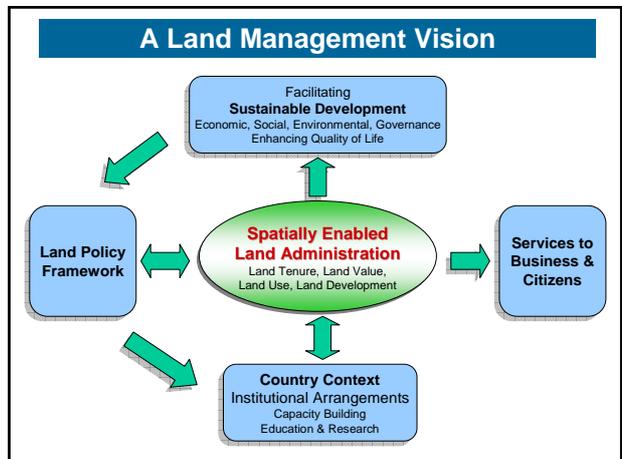
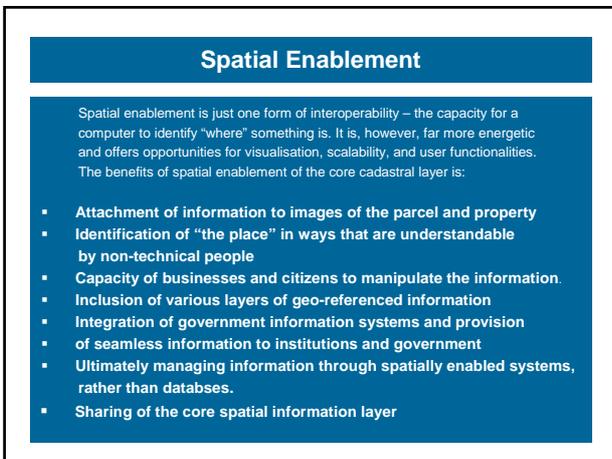
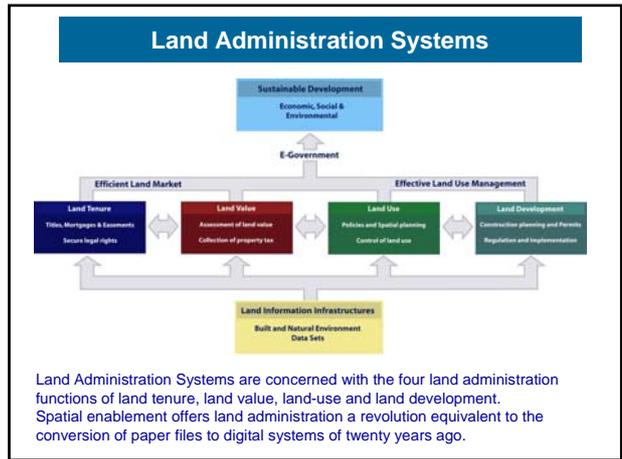
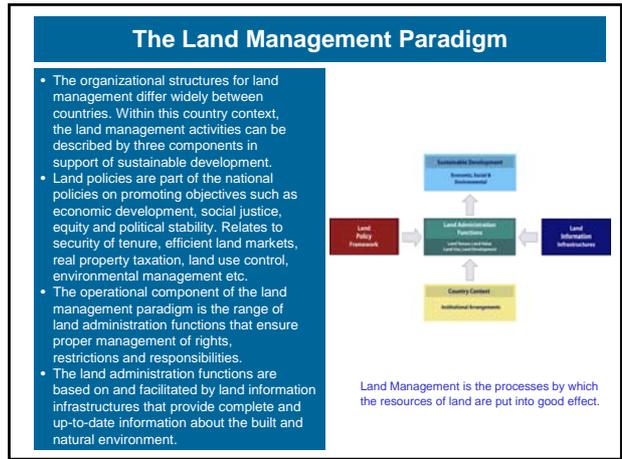
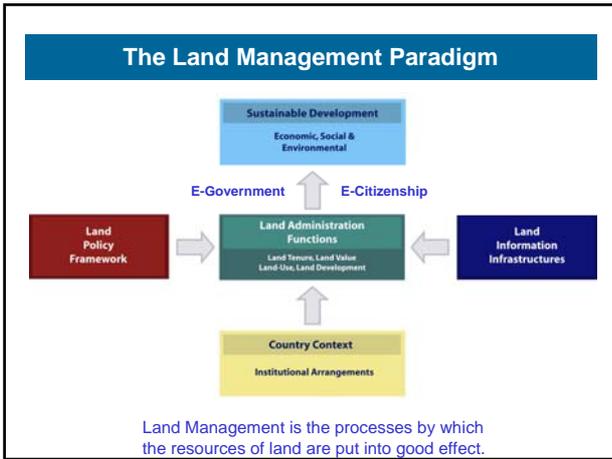
The characteristics (adapted from UN-Habitat 2002):

- **Sustainability:** balancing social, economic and environmental needs while being responsive to the present and future needs of society.
- **Subsidiarity:** allocation of authority at the closest appropriate level consistent with efficient and cost-effective services
- **Equity:** Women and men must participate as equals in all decision making, priority setting, and resource allocation processes
- **Efficiency:** Public services and local economic development must be financially sound and cost-effective.
- **Transparency and Accountability:** Decisions taken and their enforcement follows rules and regulations. Information must be freely available and directly accessible.
- **Civic Engagement and Citizenship:** Citizens must be empowered to participate effectively in decision-making processes.
- **Security:** All stakeholders must strive for prevention of crime and disasters. Security also implies freedom from persecution, forced evictions and provision of land tenure security.

Good e-Governance - what is it ?

- **The term "Good" involves a normative debate.**
Different people, organisations and governments authorities will define good governance according to their own experience and interests
- **The term "Governance" involves a spatial component**
All kind of government includes a spatial component

Good governance and sustainable development is not attainable without sound land administration or – more broadly - sound land management.



Knowledge Management in e-Government

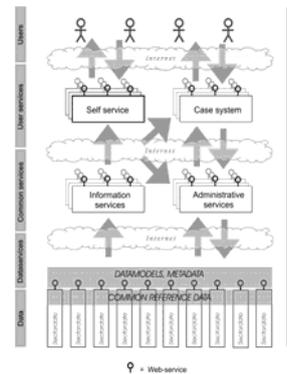
Knowledge management is about optimising the use of the basic asset of any organisation namely knowledge.
 Knowledge management is an integrated approach to managing the information assets of an organisation/enterprise
 Knowledge management is – in fact – just common sense.

• Knowledge Management in e-Government

Is about the sharing and organising of knowledge just like spatial information management is about organising and sharing of data.

It is about designing and implementing a suitable IT-architecture for and organising spatial information that can improve the communication between administrative systems and also establish more reliable data due to the use of the original data instead of copies.

The Service –Oriented IT Architecture



Users: All kind

User services:
 Self services collect and organise data from different sources for specific purposes
 Case systems design and support the processes in government administration

Common services:
 Information services support the distribution of data
 Administrative services secure the process of access to and updating of the data

Data services: Provide functionality
 For distribution and administration

Data: Official (authentic) governmental
 Registers and map databases

- Quality, authenticity, and actuality
- Flexibility and accessibility
- Standardisation

Knowledge Management in e-Learning

The surveying community around the world is a combination of academia and practice. The profile of the community is changing rapidly due to the global drivers such as technology development and globalization.
 To face this challenge a possible way forward is to foster a cross-functional collaboration through setting up virtual learning organizations and facilities which can benefit both partners. Learning Lab Geomatics can be seen as such an organization.

• Learning Lab Geomatics at Aalborg University

- A problem-based and project organised approach
- The learning process will reflect the ICT opportunities
- Lecture courses will be designed as hypertext on the web for self-studies
- The project work will be developed on the web and be accessible to all
- Course material, research results, and journal articles are available on the web and tailored for use in the different areas of professional practice.
- The graduates will then have access to the newest knowledge throughout their professional life
- Learning Lab Geomatics is – this way – designed to provide a new and flexible learning environment based on the knowledge management concept.

Educational Innovation



Professional competence relates to the status as an expert.

This status cannot be achieved only through university graduation and it cannot be achieved solely through professional practice.

The idea of "learning for life" is replaced by the concept of lifelong learning.

All graduates must have access to the newest knowledge throughout their professional life.

E-Learning and innovative interaction between education, research and professional practice is essential in this regard

The Role of FIG

The three areas of e-Governance, Knowledge Management, and e-Learning are interdependent and constitute the key challenge of the future: "the e-Future Challenge".

FIG should develop ways and means to face this challenge.

The efforts of Commission 2, 3 and 7 in this area are very timely and most welcome.



**Thanks
 for your
 attention**