

## e-Governance in Cadastral and Land Management Need a New Theoretical Paradigm

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#### FIG 2006 Shaping the Future



## "New winds" are changing the era of the "parcel-orientated" chartered surveyor is ending. new SOA-technologies will force governmental bodies to rethink and redesign their models the citizen will ask for one portal to access all information about his property. and strengthened the long-term focus on e-



( SOA = Service Oriented IT – Architecture )



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# 2007-reform" of State and Municipal bodies will strengthened the implementation of

- Governmental reorganization and modernization (2000) "placing the citizen in the centre"
- Political focus since 2002 to reduce cost and manpower on public administration.
- E-Government as a road to institutional reorganizing public bodies and structures.





### Focus on Management Domains

- The next but already available database technology – will focus on management domains in e-Governance and not on institutional structures.
- Every profession and organization need to rethink their objects and procedures pressed by the need in communication, IT-architecture (SOA) and globalisation.



























- The details in regulation and procedures are national and institutional history
- The institutional structures, division of labour, level of technology penetration in the property registers is historical and national influenced by tradition of management.
- In the future domain-oriented focus on the basic element in the function to secure this
   not to maintain existing institutional
  - related management procedures.

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#### The development of technology - cadastral indexing

- "Letter and numer" with books and papermaps
- Databases (1st and 2nd generation RDMS)
- · Geografical inexing in WEB-GIS (2D)
- SOA-architecture ("single sign-on" and userportals)
- Navigating in 3D-enviroment with intelligent spatial legal objects on thin clients.
- Efter 2014 .....?



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### Point 2

- Access to property information for citizens, managers, stakeholders and data owners will be based on their functions.
- Managing the rights of access to information is an issue of high importance and will challenge the structure of the governmental bodies.

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#### Point 3

Cadastral surveyors have to rethink and replace them selves as:

- as important SDI-managers
- in a more "profitable" place in the valueadding process of property development
- as key role players in social balanced and sustainable use of land and nature-

#### resources

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