Land Administration Infrastructures for Sustainable Development

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The Global Challenges

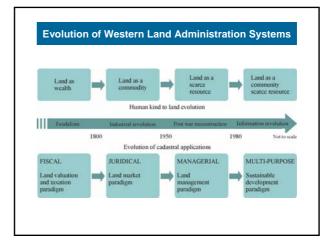
- Technology development
 GPS, GIS, Internet
- Micro-economic reform
 - privatisation, decentralisation, downsizing, quality assurance

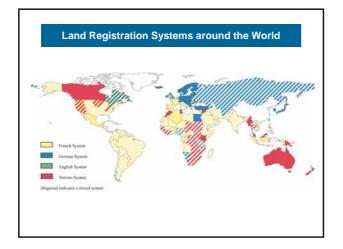
Globalisation from local to global

events in one part of the world impact on people in other parts of the world

- Sustainable development
 - developments that effectively incorporates economic, social and
 - environmental concerns in decision-making - meet the needs of the present without compromising the ability of future
 - generations to meet their own needs

A Global Land Administration Perspective





Deeds/Title Registration . . .

System	Deeds System	Title system What is owned by whom		
Content	Who owns what			
Register	A register of owners	A register of properties		
Legal effect	Registration of the transaction The title is not guaranteed	Registration of the title Guaranteed by the state		
Actors	Notaries/Registrars	Lawyers/Surveyors		
Role of the Cadastre	Taxation purposes	Identification purposes		
Boundaries	Sketch for the deed	German and Torrens: Fixed English: General		

Comparing Land Registration Systems

Parameters for comparison:

- Property Definition
 Where and how is it defined
 Legal/economic/physical concept
- Property Determination
 General/fixed boundaries
 determination process
- Property Formation
 Process, institutions and actors who doe
- Property Transfer
- Process, institutions and actors who does what
 legal consequences

Development and Sustainability

"Civilised living in market economies is not simply due to greater prosperity but to the order that formalised property rights bring"

Hernando de Soto - 1993

The Nordic Way						
Country	Denmark	Norway	Sweden	Finland		
Area	43,000 sq. Km	324,000 sq. Km	450,000 sq. km	337,000 sq. Km		
Area Population	5.2 mill	4.2 mill	8.6 mill	5.0 mill		
Properties	About 1,5 mill	About 2 mill	About 3 mill	about 2 mill		
National cadastral authority	National Survey and Cadastre under the Ministry of Housing	National Mapping Authority under the Ministry of Environment	National Land Survey under the Ministry of Environment	National Land Survey under the Ministry of Agriculture		
Cadastral surveys	Licensed surveyors in private practice	Municipal Survey Authorities; Licensed surveyors in private practice will be introduced	State Survey Authorities at county level; and some Municipal Survey Authorities	State Survey Authorities in rura districts; and some City Survey Authorities		

Country	Denmark	Norway	Sweden	Finland
Property Register Authority (land parcels)	National Survey and Cadastre maintaining the cadastral register and the digital cadastral maps	Municipal Survey Authorities; and the National Survey Authority maintaining the GAB-register	County and Municipal Survey Authorities; and the National Land Survey maintaining the Land Data Bank System	District and City Survey Authorities and the National Land Survey maintaining the Real Estate Register
Land Register Authority (title and mortgage)	Local district courts (Ministry of Justice)	Local district courts (Ministry of Justice)	Local district courts (Ministry of Justice)	Local district courts (Ministry of Justice)
Land Information System	Interactive subsystems linked together through a Cross Reference Register	GAB – register linked with the Land Book	Land Data Bank System	Central Information System on Real Estate Data

... The Nordic Way



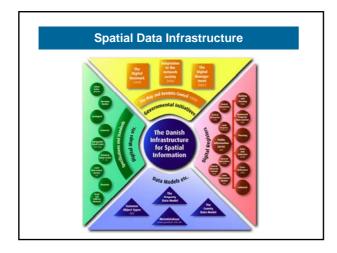
Spatial Data Infrastructures

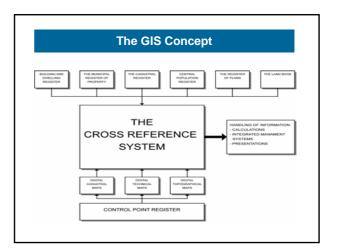
- provides mechanisms for sharing geo-referenced information

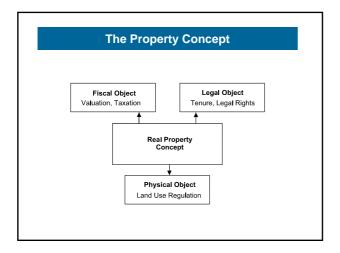
Conceptual mechanisms

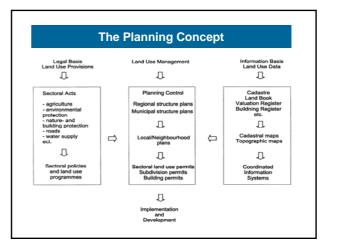
- design of organisational concepts for data sharing and costodianship
- provision of an effective institutional framework and the distribution of power between the governmental levels.
 policies for access to data
- Economic mechanisms
- cost recovery policies
 strategies for distribution and maintenance

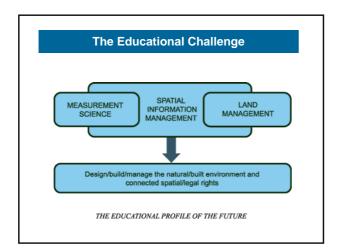
- considerable benefits flow from a well developed Spatial Data Infrastructure













Decentralisation

- not de-concentration
- relates to autonomous land-use decision-making at local level
- · based on democratic ideals of local self-government

Subsidiarity

- competencies should rest with the lowest possible level of jurisdiction
 - more efficient servicebetter use of local knowledge

 - greater participation and democracy increased popular consent to government
 - improved political sustainability
- particularly valid for land-use decision-making
- depends on a finely tuned relationship between national, regional and local level

Sustainability

- requires action at all jurisdictional levels
- sectoral policies must be co-ordinated
- mature governmental structures is a must

Conclusions ...

- The Bathurst Declaration established a powerful link between appropriate land administration and sustainable development
- Sustainable development is not attainable without sound land administration

... Conclusions

- This again requires support from a well developed spatial information infrastructure
- A global approach to land management depends on appropriate structures of governance
- Decentralisation may be seen as a significant key to sustainable development

