



DANISH MINISTER OF THE ENVIRONMENT
National Survey and Cadastre

The Role of the Cadastre in Spatial Data Infrastructure in Denmark

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National Survey and Cadastre of Denmark



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The Role of the Cadastre in Spatial Data Infrastructure

Cadastre information is a very important part of The Spatial Data Infrastructure



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The Role of the Cadastre in Spatial Data Infrastructure

My presentation:

- Introduction and background
- The Spatial Data Infrastructure in Denmark
- Property system interplay in Denmark
- The Cadastre as basis for registration
- Conclusion



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The National Survey and Cadastre of Denmark

Areas of responsibility

- Geodetic network
- Topographical Data
- Nautical Charts & Publications
- Cadastre

• Authority for coordinating the Spatial Data Infrastructure including INSPIRE



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The Danish Cadastre System

Private licensed surveyors are responsible for Cadastral changes. The National Survey and Cadastre is approving the cadastral changes.

Overview of the Danish system:

- the cadastral register identifies real properties - which might include more than one land parcel - by cadastral number(s) and area,
- the cadastral map shows all land parcels graphically,
- legal survey measurements are used to precisely identify all new parcel boundaries determined by cadastral surveys such as subdivision etc., and
- the Land Registry identifies the legal rights based on the cadastral identification.

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The Spatial Data Infrastructure in Denmark



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Spatial Data Service Community



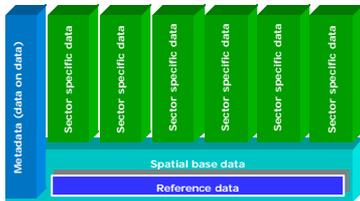
Spatial Data Service Community

- The National Survey and Cadastre
- Local Government Denmark
- Danish Regions
- The National Agency of Enterprise and Construction
- The Road Directorate
- The Ministry of Science, Technology and Innovation
- The Directorate for Food, Fisheries and Agribusiness

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Spatial Data Service Community

Spatial Data Infrastructure: Conceptual Model



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The Spatial Data Infrastructure in Denmark

Key drivers:

- E-government and spatially enabled government
- INSPIRE
- Standardisation
- Service Oriented Architecture (SOA)

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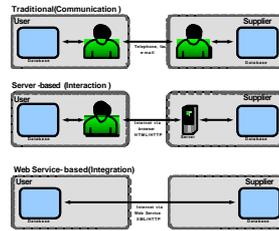
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Property systems in Denmark

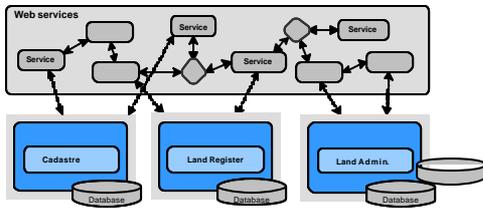
- | | |
|--|--|
| Cadastral
<ul style="list-style-type: none"> Ministry of Environment New IT-system next year | Land administration
<ul style="list-style-type: none"> Municipalities New IT-system 2008-2010? |
| Land Registry
<ul style="list-style-type: none"> Ministry of Justice New IT-system 2008 | Valuation
<ul style="list-style-type: none"> Ministry of Taxation New IT-system 2008-2010? |

Technological possibilities



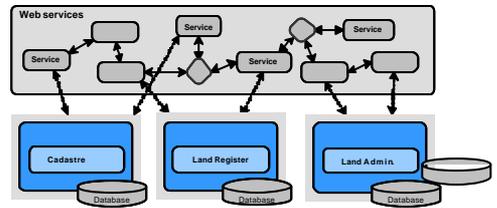
Property systems

- Interplay data and functionality



The Cadastre and Spatial Data Infrastructure

- Interplay data and functionality



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The cadastre as a basis for registration

- The Multifunctional Cadastre: Registering polluted ground

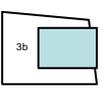
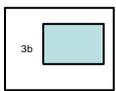


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The cadastre as a basis for registration

- The Multifunctional Cadastre: Area for a building

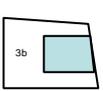
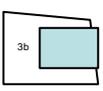


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The cadastre as a basis for registration

- The Multifunctional Cadastre: Area for a building



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The cadastre as a basis for registration

The workflow around cadastral changes has to take of registration based on the cadastre - There are technical and legal challenges.

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Conclusion

Society needs the cadastre to be developed as an integrated part of the Spatial Data Infrastructure.
The cadastral/property systems must meet the requirements from modern technologies, administrative demands and take care of the legal challenges.

The cadastral/property system must be able to function as a basis for registration of restrictions pertaining to public law that are to be registered on the basis of the property situation.

The IT-systems will in the future share both data and functionality.

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Thank you for your attention