

Lantmäteriet 2009

Swedish Cadastral Services
in a Changing World

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Lars Åstrand

MSc in Surveying

Lantmäteriet (National Land Survey) since 1987

Cadastral surveying – infrastructure

Geographic & property information 1999-2004

Introduction new national reference frame 2004-2007

Introduction 3D property formation from 2004

Overseas Projects



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Global development from a national perspective

- Climate Change
 - Impact on infrastructure
 - Development of wind energy
 - Power distribution
- Economic Crisis
 - Management of joint facilities
 - New infrastructure
- Demography and Migration
 - Urban and Rural demand
 - 3D property
 - Apartment ownership

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A weather proof railway net



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Wind Energy Property related issues



- Access to sites on land or water
 - Lease, individual or joint ownership
- Access to roads or the right to build roads
- Connecting wind farms to the electricity grid
- Limitations of land use

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Securing energy supply

- Customer demand for fewer and shorter power cuts
- New legislation prohibiting power cuts >24 h from 2011
- Liability for damages by power cuts >12 h today
- Access to land through utility easement procedure

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Electricity and Broadband



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An updated railway net



- New vs existing tracks
- Single or double tracks
- Railway plans allow access to property
- It's not what happens on the track but beside it...

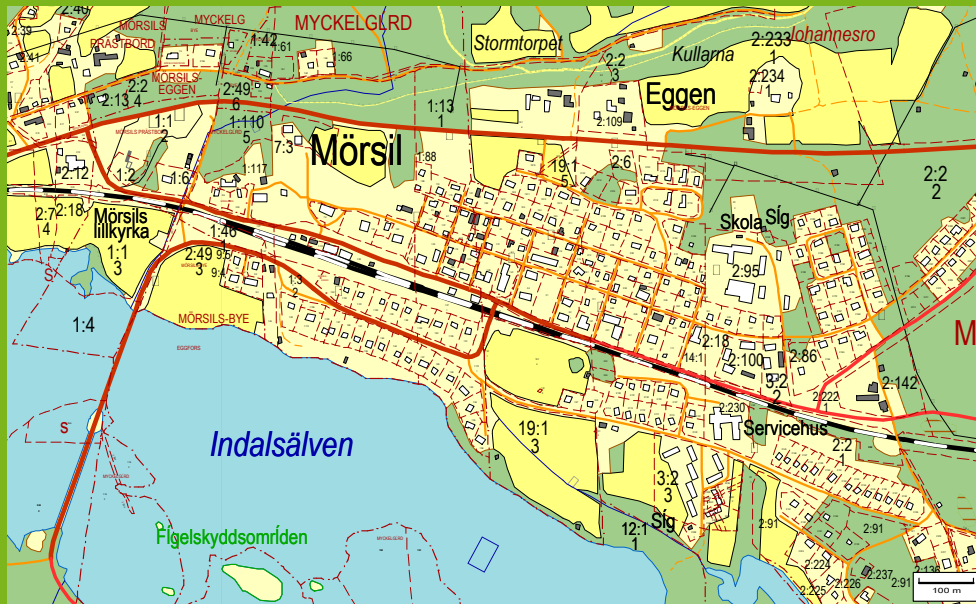


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Management of joint facilities

- Roads
- Sewage
- Water
- Heating...etc
- Municipality or Property owners association
- Taxes or user fees



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Where do you want to live tomorrow ?



Property Market

Commercial & Private actors

Migration & Demography

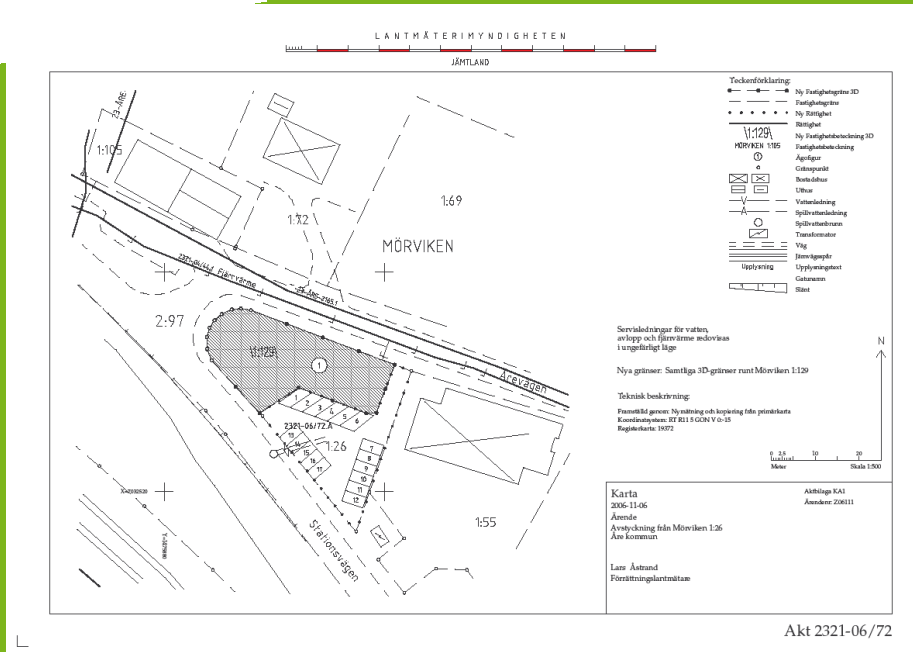
New tools for cadastral
surveying necessary ?



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3D Property Formation Division of a building or structure



- Introduced from 2004
- Support financing and management

Condominiums (apartment ownership)



- Introduced from 2009
- 3D-property
- New buildings
- Coherent unit of at least three condominiums

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Interaction with stakeholders

- Demands for open & transparent decision process
- Complex & extensive information
- Number of stakeholders
- Different nationalities
- "Cadastral Surveys in Progress"
 - Internet publishing of docs & info
 - Personal login & password
 - Continued development

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