

# USE OF CADASTRAL INFORMATION IN ENVIRONMENTAL RELATED PROCESSES – INCLUDING FOR LAND, WATER AND MARINE MANAGEMENT

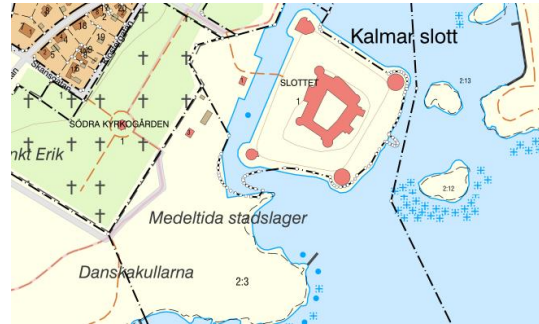
---

JOINT PCC AND EUROGEOGRAPHICS CLRKEN CONFERENCE AND PLENARY MEETING,  
ÅLBORG, DENMARK, 4<sup>TH</sup> OF NOVEMBER 2025

MAGDALENA ANDERSSON, LANTMÄTERIET, THE SWEDISH AUTHORITY FOR CADASTRE, LAND REGISTRATION AND MAPPING

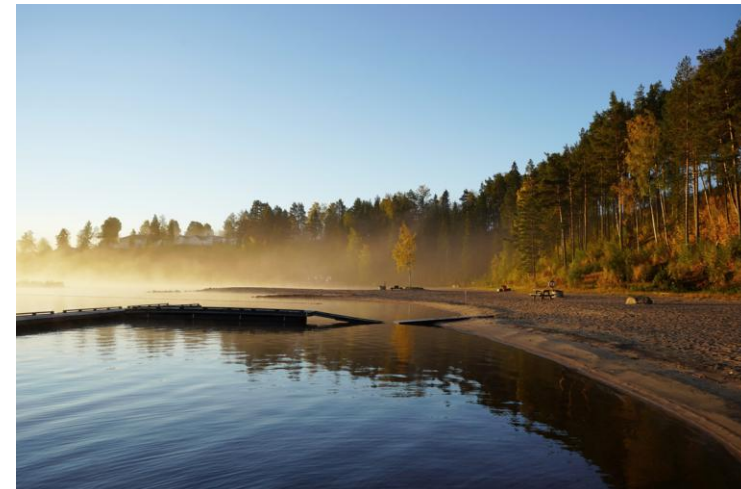
# MISSION OF LANTMÄTERIET

- Securing ownership of real properties and making geodata available in the society.
- Taking the lead in the digitalization of a smarter planning and building process.



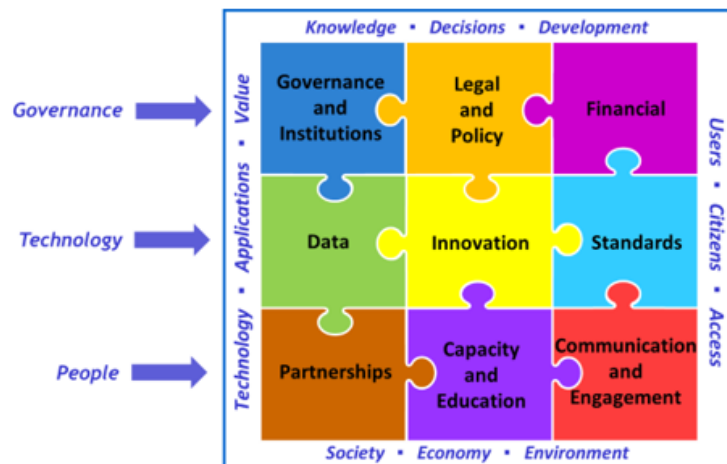
# CO-OPERATION IS FUNDAMENTAL

- Municipalities
- County councils and Governmental authorities
- Geodata Council
- Private Sector e.g., information providers and different user groups
- In a recent proposal for a roadmap to continue digitizing the community development process, it was highlighted that Lantmäteriet should be tasked with leading a joint mission to the national interest authorities to develop and implement a National Specification for National Interests.



# THE SWEDISH REAL PROPERTY REGISTER AND ITS IMPORTANCE IN SOCIETY

- Effective land administration
- In society and for the use of land and water.
- A central component for digital transformation and a sustainable society.
- Secure, fast and available; location and ownership



# CHARACTERISTICS OF THE REAL PROPERTY REGISTER

## A snapshot:

The Real Property Register is Sweden's official register of how land is divided. It contains map and text information.

Cadaster and land register are integrated

Plans and regulations included

Co-operation with municipalities and governmental authorities as to the information

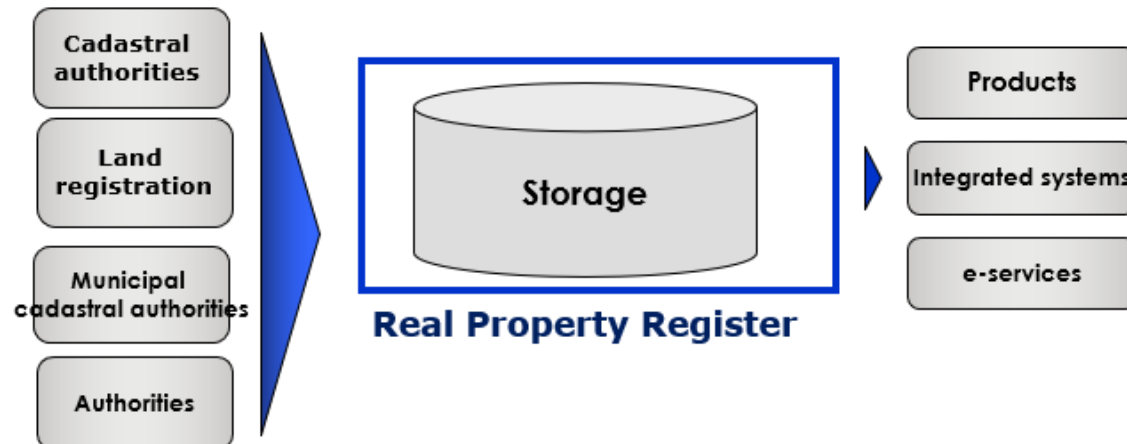
Basis for the economy

Publicity of ownership

Complete - all Swedish territory (except public water areas)

Digital accessible in many ways depending on use

E-services – my property



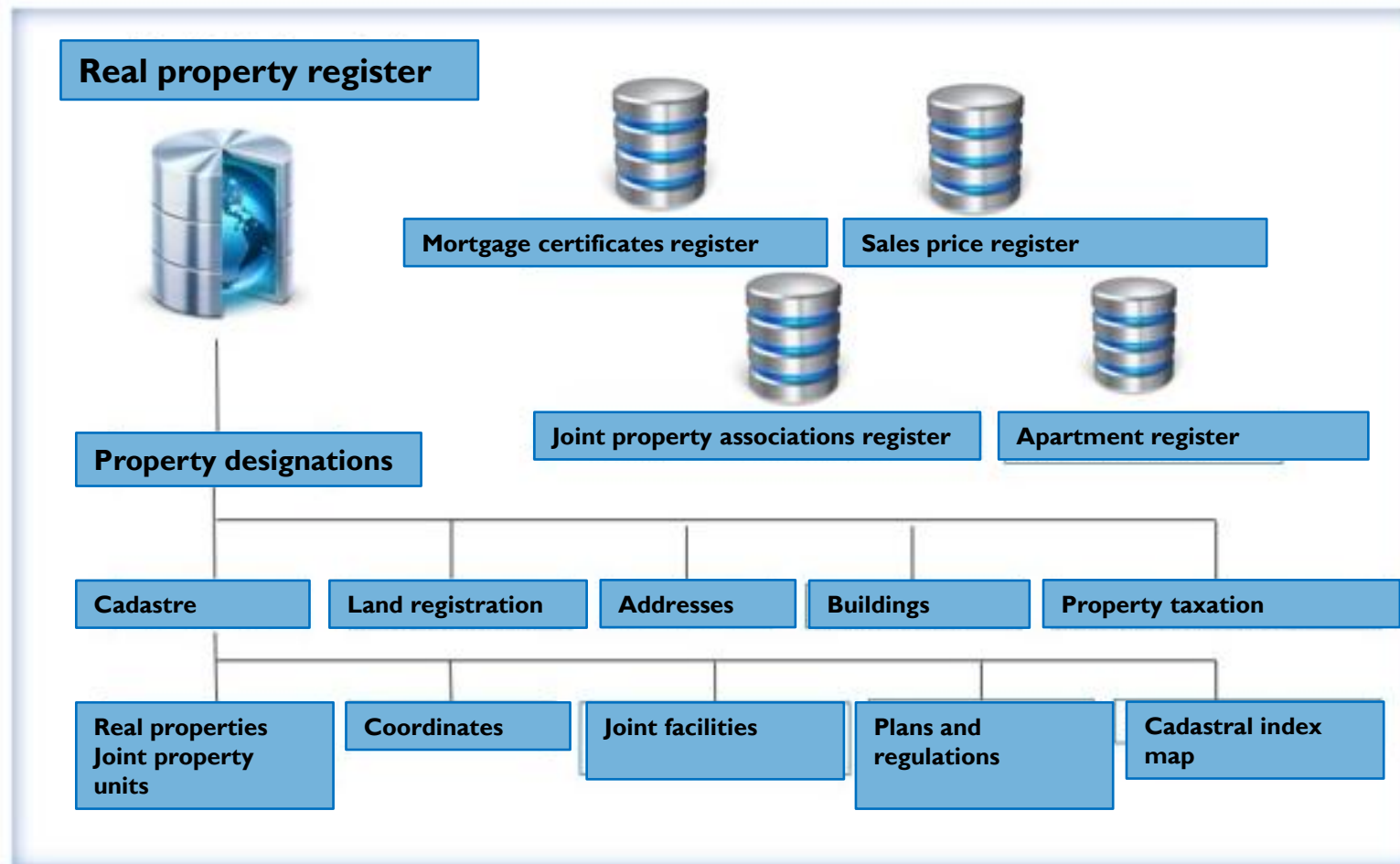


# THE SWEDISH REAL PROPERTY REGISTER – AND ADJACENT REGISTERS

Overview legal framework

Focus on quality, co-operation, interoperability, information security,

Proposal on digital/ not only paper documents for land registration



Marine cadastre, integration of domains

Register of condominiums / property market

Co-ordination number/ person numbers

HVD, Digital planning and building process, national platform

# GOVERNMENT INVESTIGATIONS

- Electricity supply
  - More efficient processes
  - Off-shore based windmills
- Environmental related issues
  - Land use and land change forestry (LULCF)
  - Forestry
  - Protection of areas close to water
  - Early notification of appropriate use of land and water
  - Modernized legislation for fisheries



# GÖTA ÄLV

Swedish Geotechnical Institute (SGI) with participation from Lantmäteriet

- investigate how land around Göta Älv can be protected from landslides
- Lantmäteriet supports SGI with information, materials and general reasoning related to landslide prevention measures
- Investigating joint facilities in a number of areas



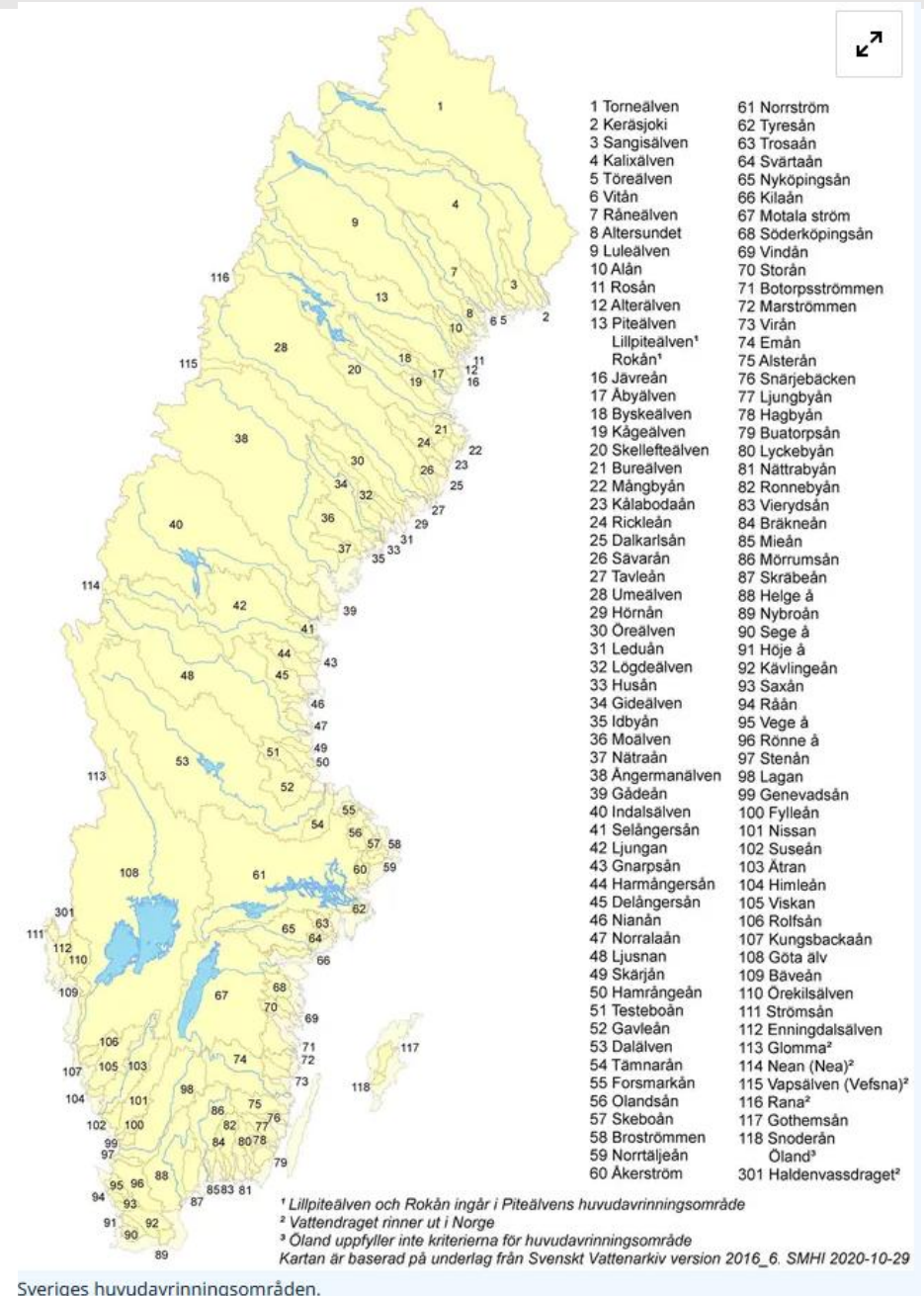
Statens geotekniska institut  
Skredsäkring längs Göta älv



# HYDROGRAPHY IN NETWORKS

Sweden's watercourses are divided into a large number of main catchment areas that are defined by SMHI (Swedish Meteorological and Hydrological Institute)

- Data for accurate assessments
- The benefits of networked hydrography
- Examples of environmental problems where analyses using networked hydrography are of great value:
- Dispersion of pollutants in water courses
- Acidification of lakes and need for lime in lakes
- Rising water levels during floods in risk areas
- Impact of the landscape and water systems in environmentally sensitive areas
- System now being maintained



THANKS!

# TACK! VI FINNS PÅ...

WEBBPLATS [www.lantmateriet.se](http://www.lantmateriet.se)

KONTAKT [www.lantmateriet.se/kontakt](http://www.lantmateriet.se/kontakt)

TELEFON 0771-63 63 63

LINKEDIN [www.linkedin.com/company/lantmateriet](http://www.linkedin.com/company/lantmateriet)

FACEBOOK [www.facebook.com/lantmateriet](http://www.facebook.com/lantmateriet)

INSTAGRAM [www.instagram.com/lantmateriet](http://www.instagram.com/lantmateriet)