

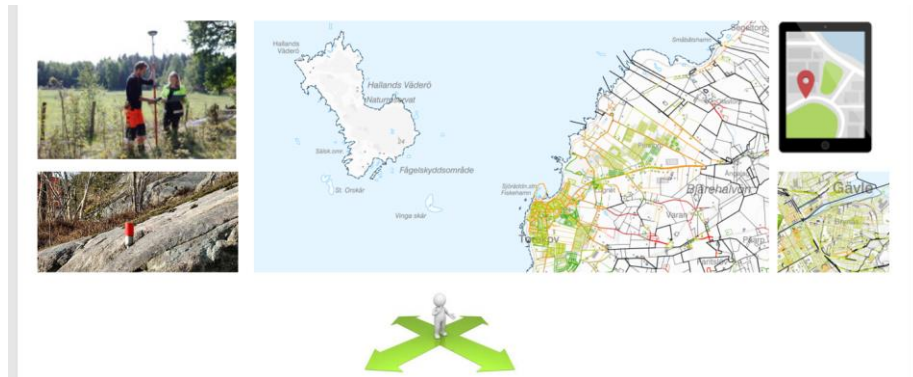
INTEGRATION OF THE TERRESTRIAL, MARITIME, BUILT AND CADASTRAL DOMAINS – SWEDISH CONTEXT

INTERNATIONAL SEMINAR ON UNITED NATIONS GLOBAL GEOSPATIAL INFORMATION MANAGEMENT, EFFICIENT
LAND ADMINISTRATION

9 APRIL 2024, AGUASCALIENTES, MEXICO - MAGDALENA ANDERSSON, BUSINESS DEVELOPER, LANTMÄTERIET

IMPORTANCE OF GEODATA – SWEDISH CONTEXT

- In society and for the use of land and water,
- For the built environment, for a smarter planning and building process
- A central component for digital transformation and a sustainable society
- Secure, fast and available; location and ownership
- Number of on-going investigations and development activities



GEODATA – AREAS IN FOCUS



Innovation
och tillväxt

Geodata

www.geodata.se

LANTMÄTERIET

Innovation and growth



Klimatanpassningen
och miljöhoten

Geodata

www.geodata.se

LANTMÄTERIET

Adaption to climate change
and environmental threats



En effektivare samhälls-
byggnadsprocess

Geodata

www.geodata.se

LANTMÄTERIET

Smarter process for society building



Försvär, samhällsskydd
och beredskap

Geodata

www.geodata.se

LANTMÄTERIET

Defense and civil contingencies



Digitaliseringen av
offentlig förvaltning

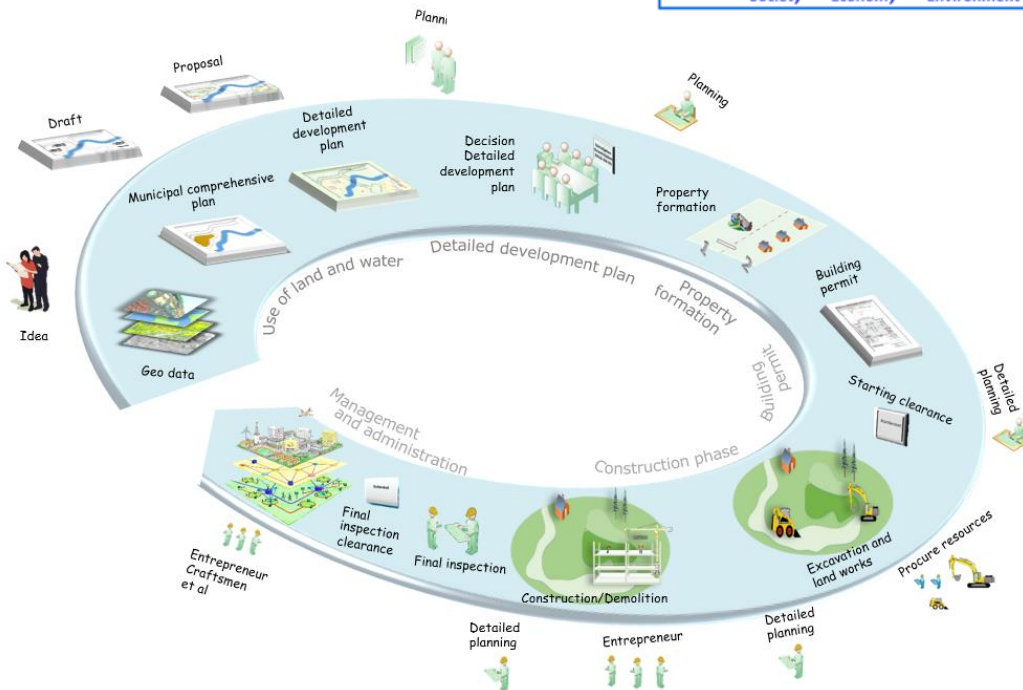
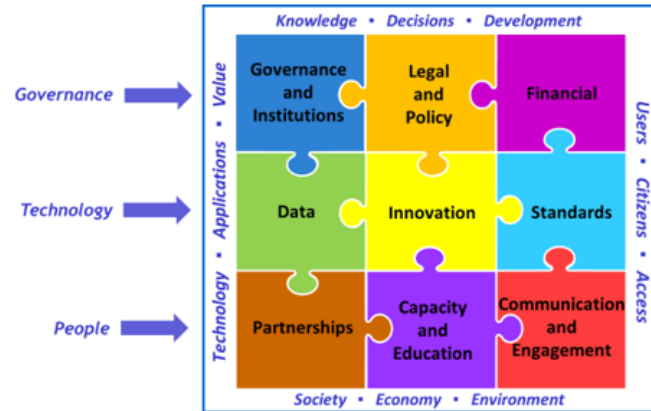
Geodata

www.geodata.se

LANTMÄTERIET

Digitization of the public sector

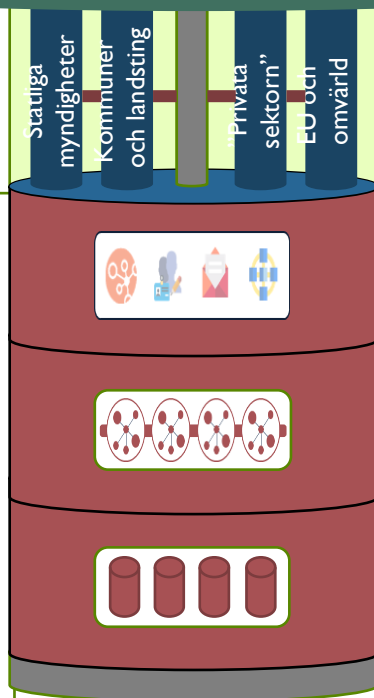
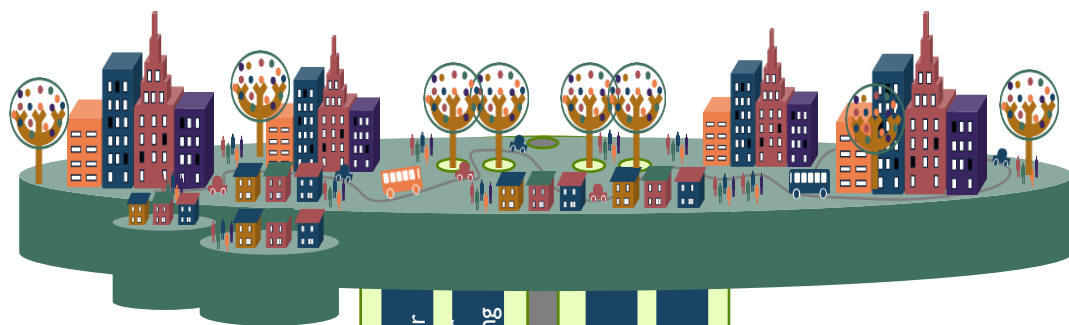
SMARTER BUILDING AND PLANNING PROCESS



Principles for digitalisation

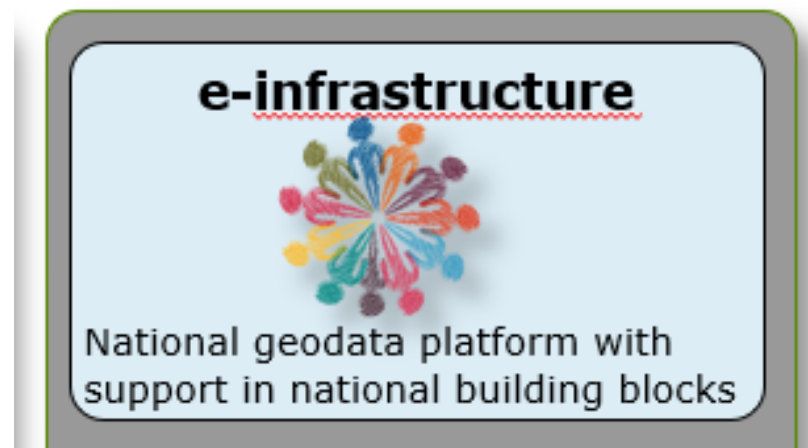
1. Co-operation – the first choice
2. Work actively with legislation
3. Open up
4. Create transparency to internal processes
5. Reuse and learn from others
6. Ensure that information and data can be transferred
7. Focus on the user
8. Make digital services available and inclusive
9. Make them secure
10. Find the right balance as to personnel integrity
11. Use language understood by the users
12. Keep the administration simple
13. Keep an overall view of information management

OBJECTIVES - GOVERNMENT



”A stable and secure base”

3. Context and steering for other infrastructures
2. A common infrastructure → geodata
1. national basic data → geodata



National geodata platform
Appr. 150 information spec.

DEVELOPMENT OF THE PUBLIC COMMITMENT

- Municipalities obliged to make their information available on a national level through the infrastructure
- Lantmäteriet (and others) obliged to have a national coordination responsibility within the areas of information and infrastructure
- Lantmäteriet (and others) is given the mandate to act like data hosts in order to equalize the digital maturity between data producers



STRATEGIC GOALS



- Digitally uninterrupted information process, as support for efficient and sustainable housing construction.
- The information * is uniform, nationally available and reusable for automatic methods
- Dialogue is possible digitally and is based on all actors reading the information from commonly accessible data

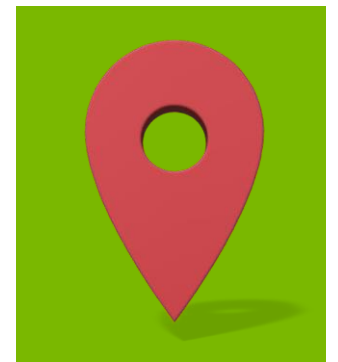
* Stage I (2019–2022): Detailed development plan, building.

* Stage II (2022-2027): Based on the government's ambition.

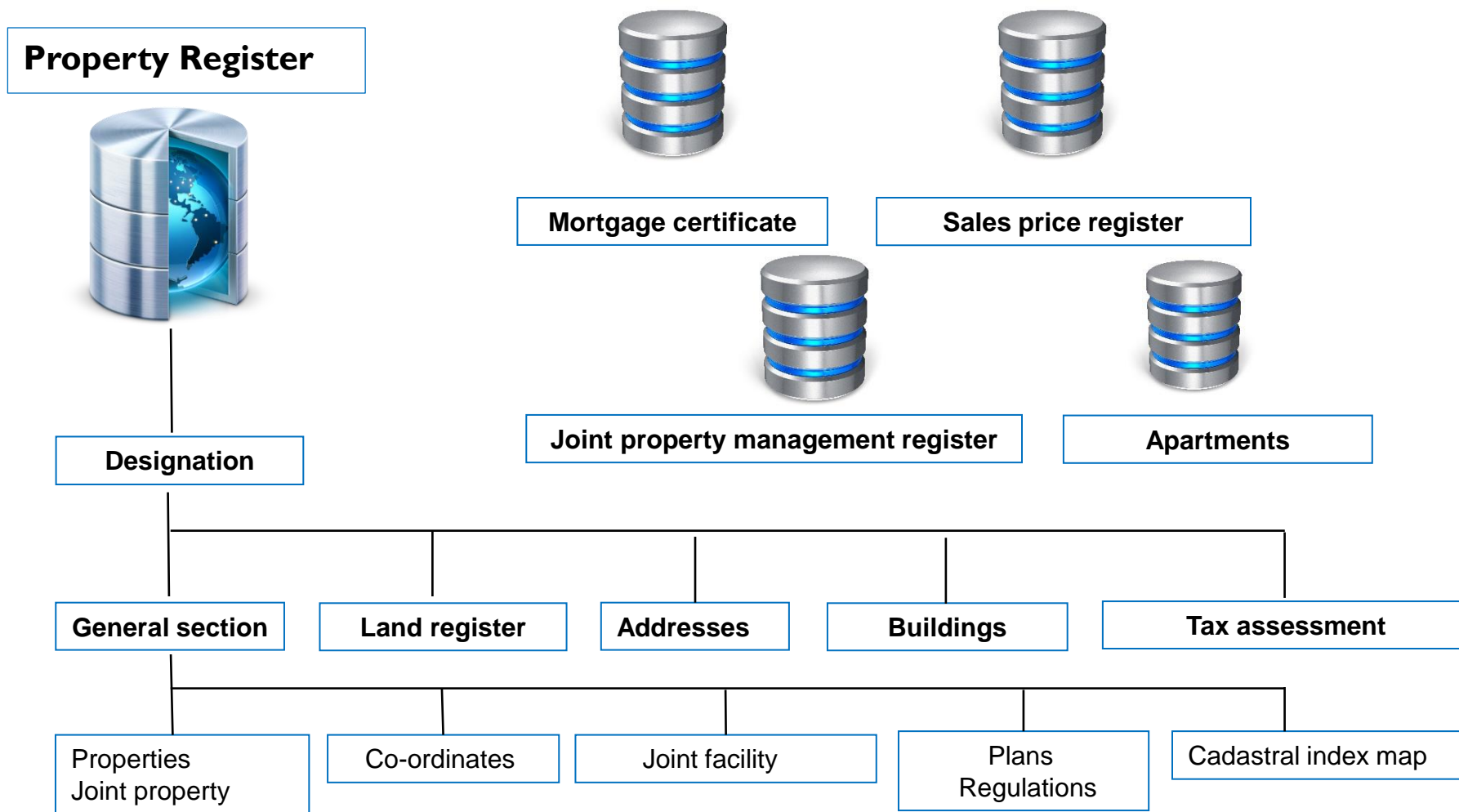
(Other current amounts of information are: Land details, land use, other road, address, place names, plans, regulations and property. Image, height and depth, geodetic infrastructure, address, water, transport network, administrative division, geology and technical supply systems)

THE REAL PROPERTY REGISTER

- The Real Property Register is Sweden's official register of how the land is divided and who owns what.
- A fundamental part of geodata
- The Swedish Cadastre – an integrated part of the Real Property Register
- Action plan for Lantmäteriet's work to improve location accuracy for property boundaries (boundary points) in the register map
- On-going investigations and development activities; new legislation, registers, co-ordinates - boundary points, more digital processes ...



REAL PROPERTY INFORMATION



PROPERTY FORMATION

- *subdivision*, form a new property from part of a property
- *property regulation*, transfer land between properties
- *amalgamation*, merge properties into one, if the properties are owned by the same people
- *partition*, divide a property owned by several
- *special boundary marking*, replace boundary marking, for example if a boundary pipe has disappeared
- *property determination*, clarify/determine existing boundaries or easements



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12 400 cadastral
surveying activities
finalized

LAND, MARINE AND WATER MANAGEMENT

Importance of good knowledge and planning base

Importance of comprehensive planning processes which encompasses land, coastal area and the sea. Overlapping planning instruments.

Visualization of boundaries between different zones, e.g. private and public water

Disposition rights

Marine Cadastre

**Cooperation
between
authorities!**

Sweden has developed three marine spatial plans for its territorial waters and EEZ.

- Gulf of Bothnia
- Baltic Sea
- Skagerrak and Kattegatt



THANK YOU FOR YOUR ATTENTION