

# COMPETENCE PROVISION

---

IN GEODATA IN SWEDEN

LANTMÄTERIET

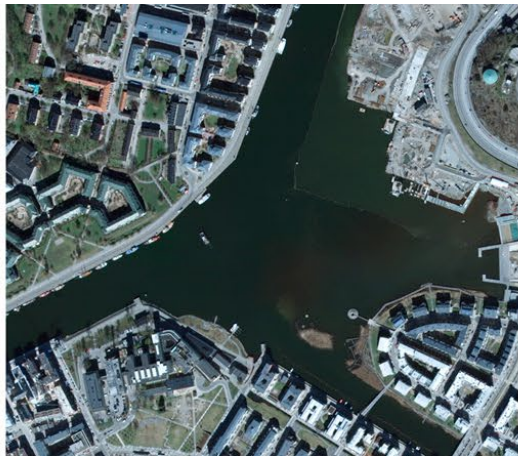


# AGENDA

- Some facts about Lantmäteriet
- Competence provision in geodata – the assignment and method
- Conclusions
- Proposed activities
- Where we are today

# FACTS IN BRIEF

- We have about 2,200 employees in 50 locations
- Our head office is in Gävle
- We have been mapping Sweden since 1628
- We completed 15,000 cadastral procedures during the year 2021
- Lantmäteriet contributes to Swedish economy with 6,9 billion SEK in stamp duty and 256 million SEK in service fee



# OUR ASSIGNMENT AND METHOD

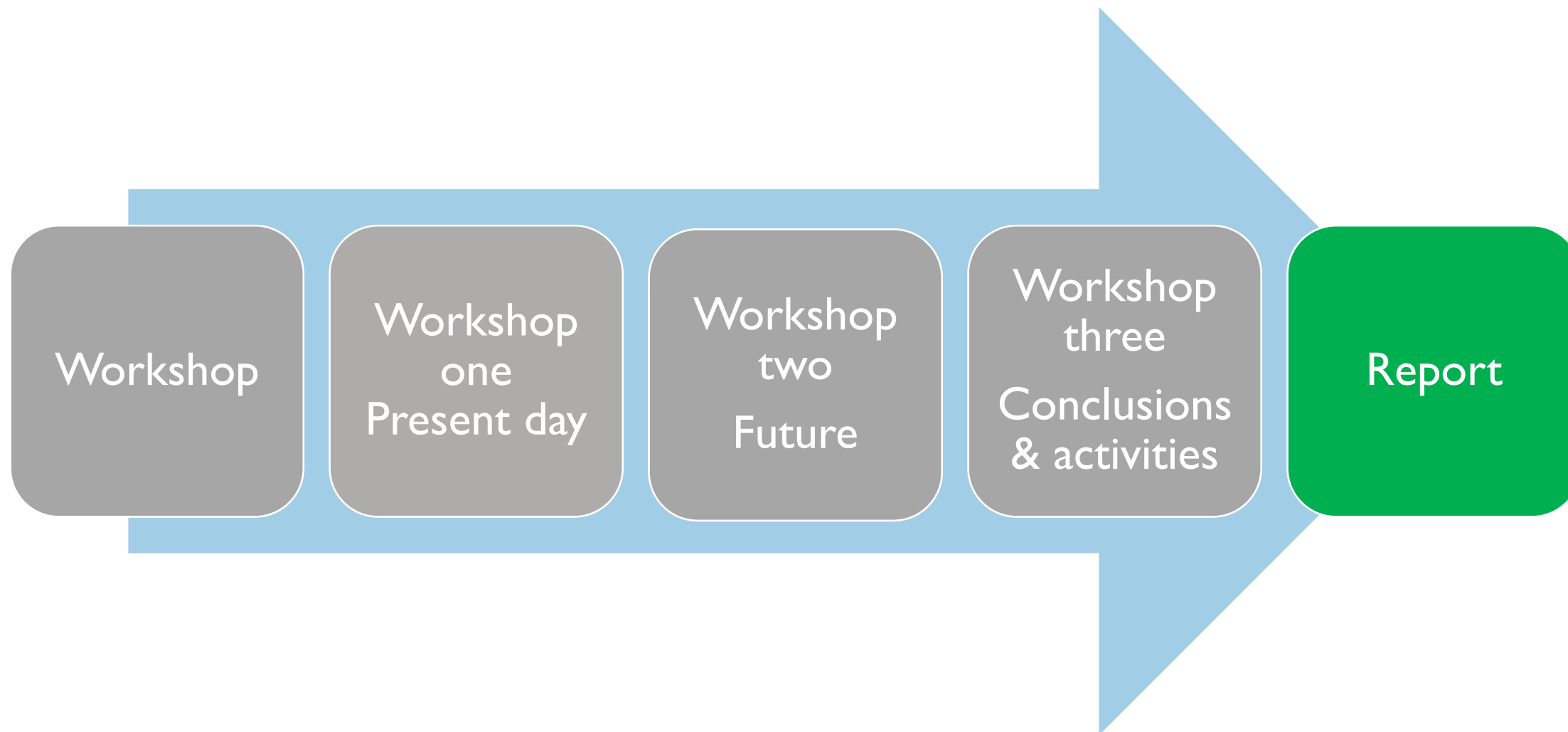
# OUR ASSIGNMENT

Identify critical professions and competences among the members of the swedish Geodata counsel.

Assess the need for training and development of competence within the identified professions.

*Kompetensförsörjning*  
Lantmäteriet ska tillsammans med de myndigheter och organisationer som är representerade i Geodatarådet kartlägga vilka yrkeskategorier som finns inom medlemmarnas ansvarsområden samt bedöma kompetens- och utbildningsbehovet. I uppdraget ingår även att utifrån kartläggningen beskriva konsekvenser och risker för kompetensförsörjningen på kort och lång sikt. Kartläggningen ska avgränsas till yrkeskategorier som är kritiska för geodatabranschen och synpunkter ska inhämtas från berörda universitet och högskolor. Uppdraget ska redovisas till regeringen (Finansdepartementet) senast den 31 december 2021.

# OUR PROCESS



# METHOD

## Workshops – two per sector:

- Government authorities
- Local authorities
- Private sector
- Universities

One final, conclusive workshop for all sectors

In total 10 workshops with approx.  
110 participants

## Content

### Workshop one

Get an overall view on the present situation in the Geodata sector

### Workshop two

A dialogue on needs for the future in the geodata sector

### Workshop three

Presentation of our conclusions and plans for activities.

## Wanted outcome

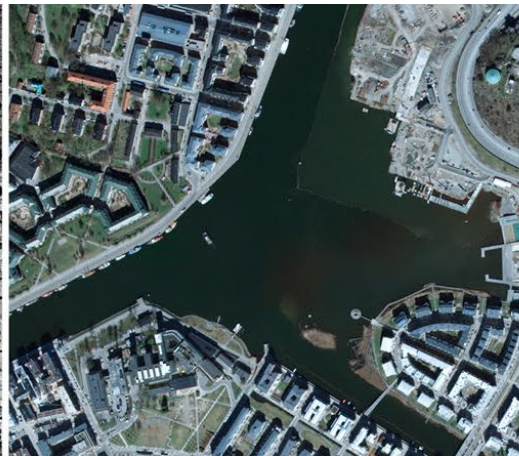
A basis for a gap analysis and needed activities

# CONCLUSIONS

# TRADITIONAL VIEWS ON GEODATA

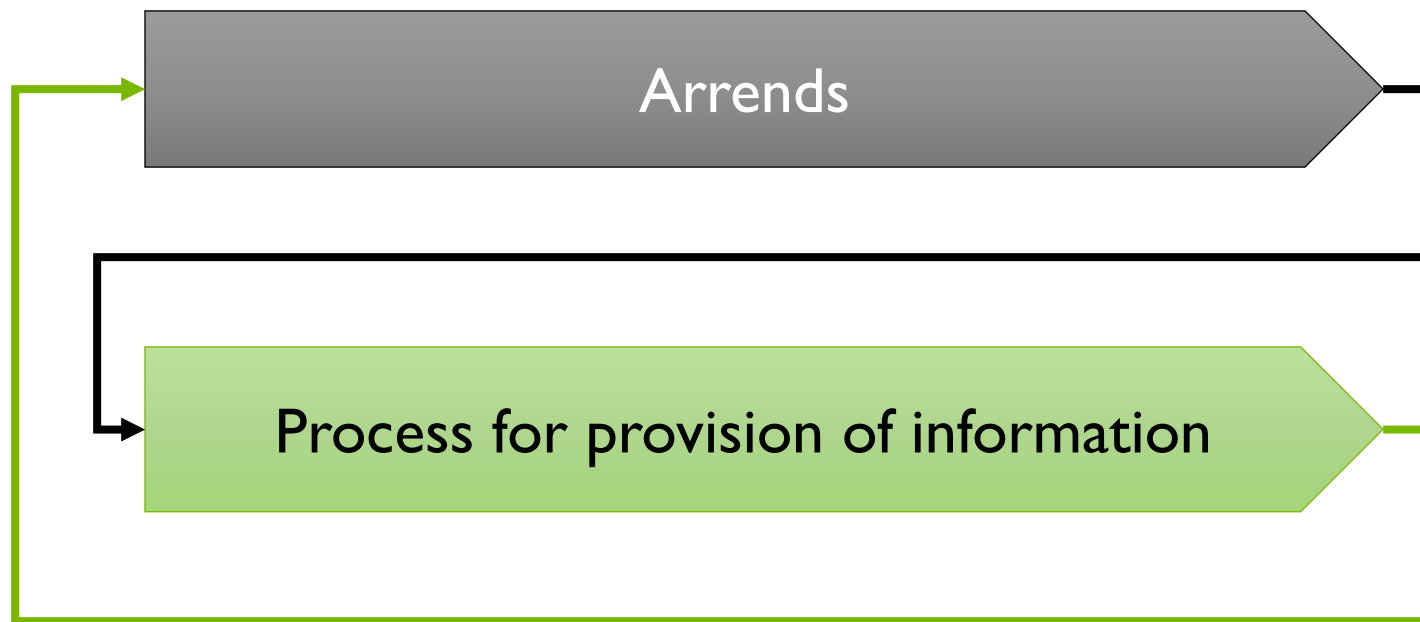
*The Geodata field has traditionally been limited to the following areas:*

- Geodesy/geodetics
- Technical aspects on Geographical information systems (GIS) and geographical information technology (GIT)
- Remote sensing
- Fotogrammetry inkluding laser scanning
- Technical surveying



# AN ALTERNATIVE WAY TO VIEW GEODATA

- Handling of arrends
- Process for provision of information



The handling of arrends can produce information that can be used for different purposes, not just the original purposes.

Collects and gathers information from many different sources to meet the needs for society.

# THE GEODATA SECTOR IN THE FUTURE

Major trends in society that will affect the sector in the next five to ten years:

- Digitization including automation and robotisation
- Free access to highly valuable data
- Climate change and sustainability

# GEODATA IN THE FUTURE

In order for the sector to succeed and reach set objectives the following factors was seen as critical:

- An increased need for cooperation and coordination between governmental agencies on national and local levels
- New form of financing
- Adjustments in legislation in order to enable digitazation
- Invest in competence development for staff

# UNIVERSITIES SITUATION TODAY

- Too few applicants for relevant programs
- Too few students graduates each year – don't meet the need in the sector
- Very little contact between the universities and the employers in the sector
- Lack of funding for less "popular" programs
- Shortage of certificated teachers and lack of research opportunities within the field



# UNIVERSITIES IN THE FUTURE

- A need for increased, national coordination between universities
- Teaching staff must get the opportunity to update their skills to a bigger extent than today
- Universities need to increase their collaboration with the employers in the sector

# PROPOSALS

# THE CHALLENGE

- Supply of competence has been a major challenge for the geodata sector for a long time
- Hard to recruit staff with the right competence – low interest for relevant programs at universities
- One reason is that the sector is seen as anonymous
- The sector needs to cooperate and speak with one voice



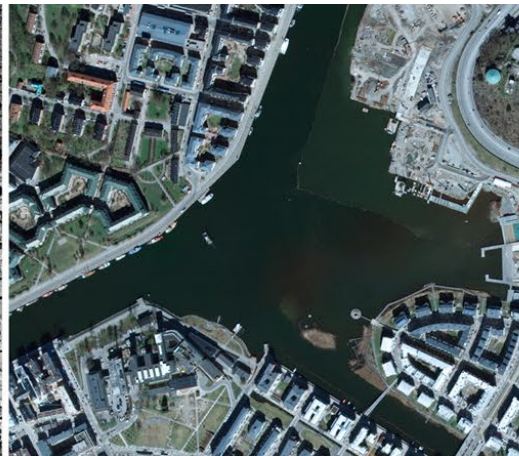
# PROPOSALS

1. Create a national centre for competence
2. Develop training opportunities for professionals working in the geodata field
3. Give a governmental, national authority an assignment to finance research
4. Secure financing for universities
5. Create a sector advisory board.



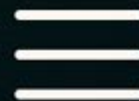
# RESULT SO FAR

- In order to increase the knowledge about the geodata sector a campaign was launched
- Lantmäteriet got a more extensive assignment to do research within the geodata field but not to finance other research
- No centre for competence has been formed
- No extra financing for relevant programmes



# CAMPAIGN

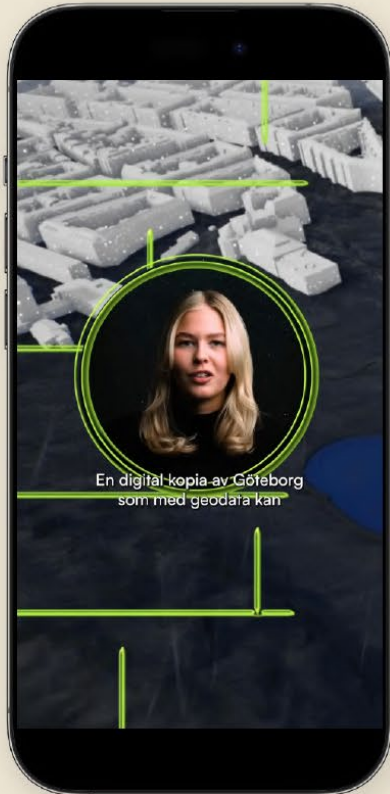
 **SLUTA GISSA.**



**SLUTA GISSA OM FRAMTIDEN.**

**SVARET FINNNS  
I GEODATA.**





Fun facts – Göteborg



Fun facts – Kristianstad



Gissa vad jag pluggar – Linn



Gissa vad jag pluggar – Martin

Thruplays/6-sekunder videovisning

731 863

Hela kampanjen

Total räckvidd

1 569 910

Hela kampanjen

# TACK! VI FINNS PÅ...

WEBBPLATS

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

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)

KONTAKT

[kundcenter@lm.se](mailto:kundcenter@lm.se)

TELEFON

0771-63 63 63

LANTMÄTERIET

