



LANTMÄTERIET'S STRATEGY FOR GEODESY 2026–2035

EUREF SYMPOSIUM, 23–25 JUNE, 2026, PARIS

BACKGROUND AND PURPOSE

LANTMÄTERIET'S RESPONSIBILITIES WITHIN THE FIELD OF GEODESY

According to its instruction from the Government, Lantmäteriet shall ...

- promote a **coherent national geodetic infrastructure**
- be responsible for the **national geodetic reference networks**
- promote **consistency, coordination, and quality within the field of surveying**
- conduct **research and development** within its area of responsibility

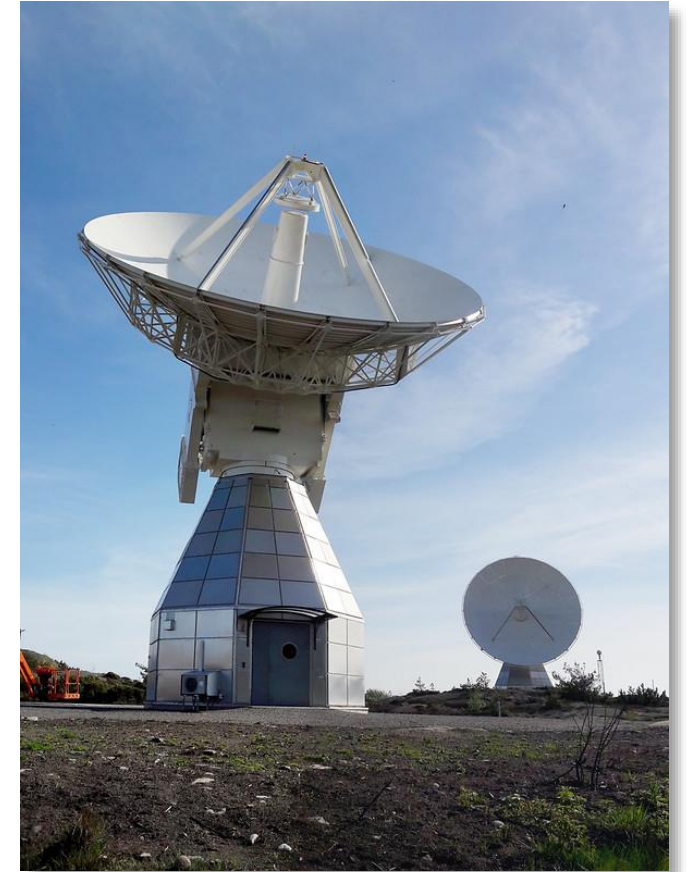
Lantmäteriet shall also, among other things

- represent Sweden's interests in **international cooperation**
- provide **advice and support**



PURPOSE OF A GEODETIC STRATEGY

- Secure the geodetic infrastructure for the future
- The strategy is a means of describing how Lantmäteriet intends to fulfill its directives, in order to support societal needs in the best way possible
- Target groups
 - Lantmäteriet internally → we know what to do
 - Decision-makers and financiers → they know what needs to be achieved
 - Stakeholders → can plan their activities accordingly



TRENDS TO BE ACCOUNTED FOR

- Positioning services of high accuracy for mass-market applications are incoming
- Increasing dependency on a well-functioning geodetic infrastructure
- The dividing line between geodetic surveying and geodata collection is increasingly blurry
- Increasing demands for a completely digitalised spatial planning and construction process



STRATEGIC POSITIONS

SWEPOS's POSITIONING SERVICES

We will continue to operate and develop SWEPOS, which will continue to be financed through user fees.

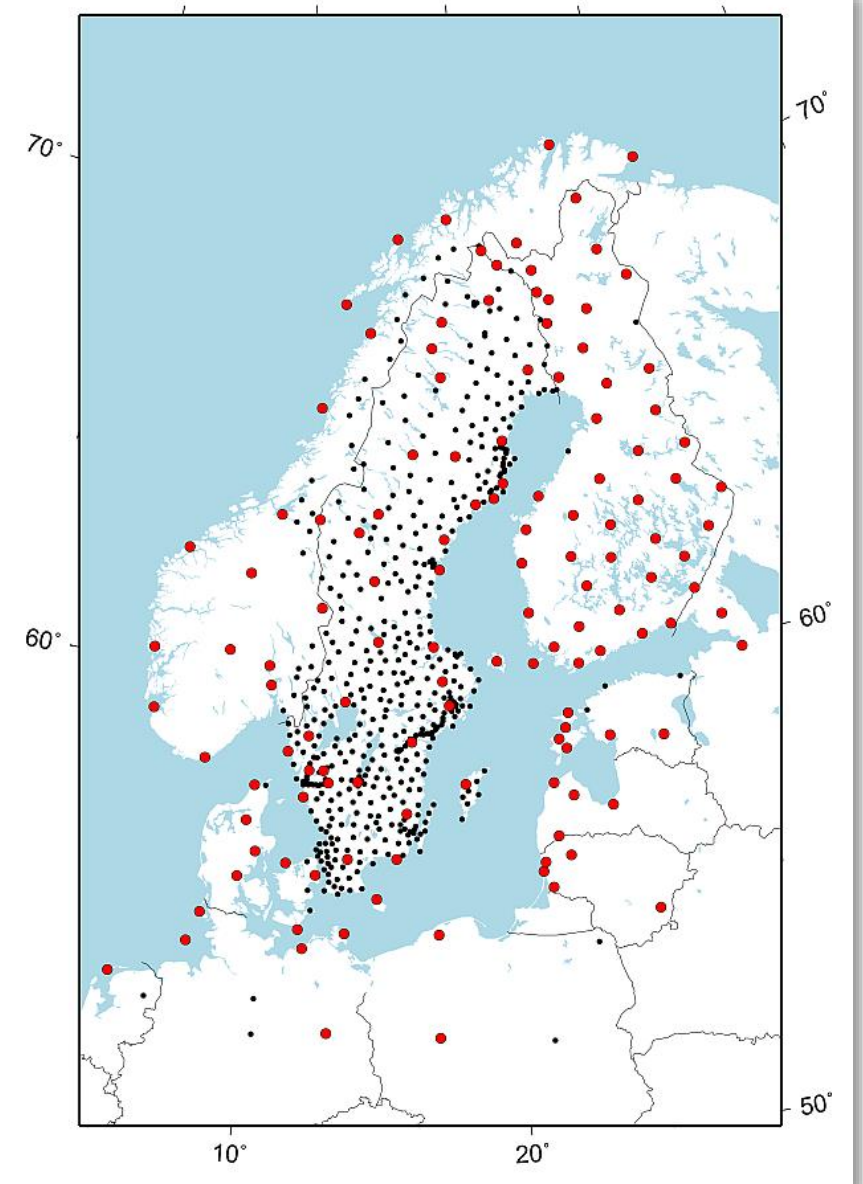
The objective is to be able to offer, also in 2035, a national GNSS infrastructure with a robust delivery of services and raw data to users and other stakeholders.



NATIONAL REFERENCE FRAMES

We will retain the current national reference frames SWEREF 99 and RH 2000 throughout the strategy period 2026–2035.

Red dots show the defining stations of the SWEREF 99 review (2021).
The other stations in the campaign are shown in black.



GEOID DETERMINATION AND GRAVITY MEASUREMENTS

We will raise the level of ambition for geoid determination and relative gravity measurement in order to improve both GNSS-based height determination during the strategy period and the gravimetric foundation for the height system of the future.



A ROBUST GEODETIC INFRASTRUCTURE

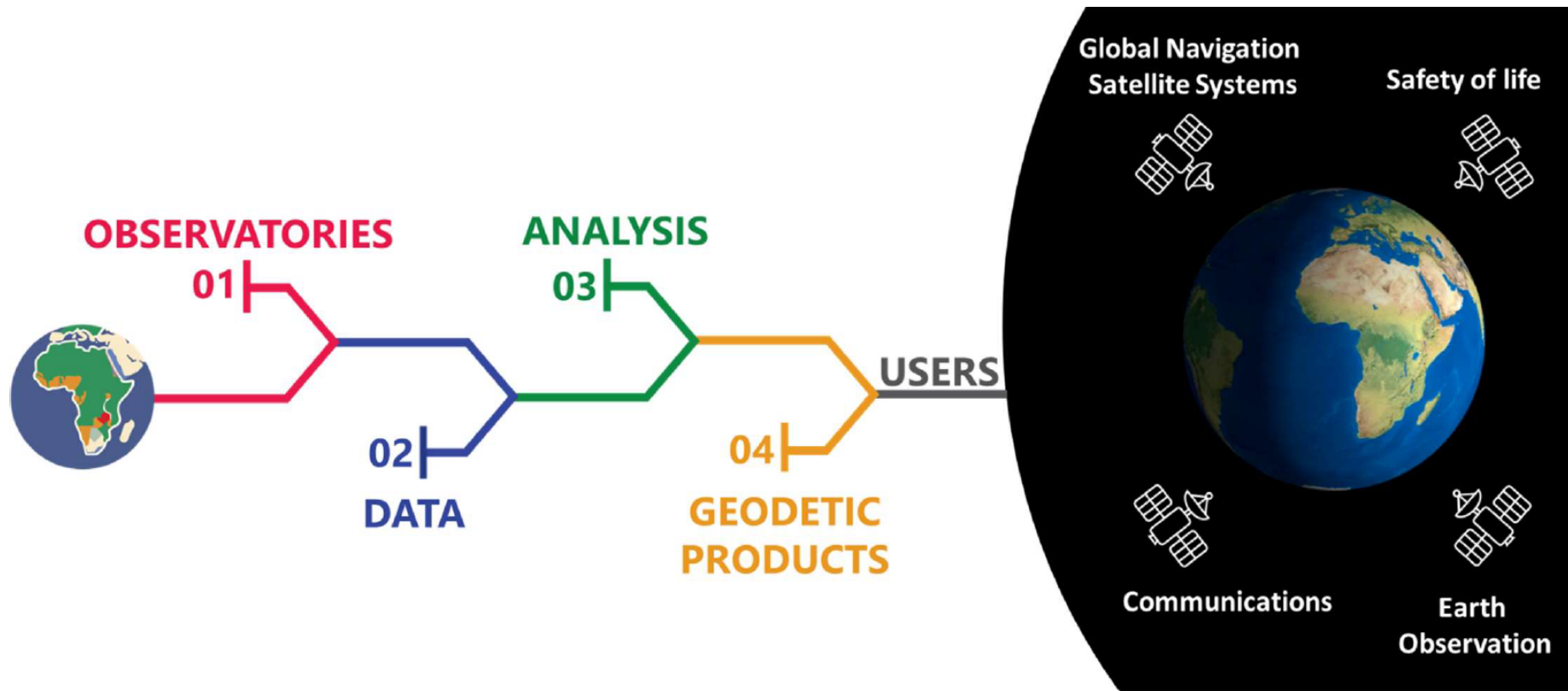
We will work to strengthen the robustness of the national geodetic infrastructure. Our own contribution must be robust, and awareness of alternative methods for accessing the geodetic reference frames must be increased.

In cooperation with municipalities and other authorities, we will create the conditions necessary to ensure that reference frames remain accessible even in critical situations.



THE GLOBAL GEODETIC SUPPLY CHAIN

During the strategy period, we will actively contribute to strengthening the global geodetic supply chain.



STRATEGIC DIRECTIONS FOR OTHER KEY AREAS OF ACTIVITY

STRATEGIC DIRECTIONS FOR OTHER KEY AREAS OF ACTIVITY

- Research
- Advisory services and cooperation
- International cooperation
- Artificial Intelligence and Machine Learning



SCENARIO 2035

SCENARIO 2035 – A SECURE AND WELL-FUNCTIONING GEODETIC INFRASTRUCTURE

By 2035, the geodetic infrastructure is a well-functioning, robust and self-evident part of society's fundamental functions.

It is not characterised by major headlines or disruptive technological shifts, but by predictability, trust and room for manoeuvre. It is an infrastructure that is rarely visible – yet immediately noticed the day it ceases to function.

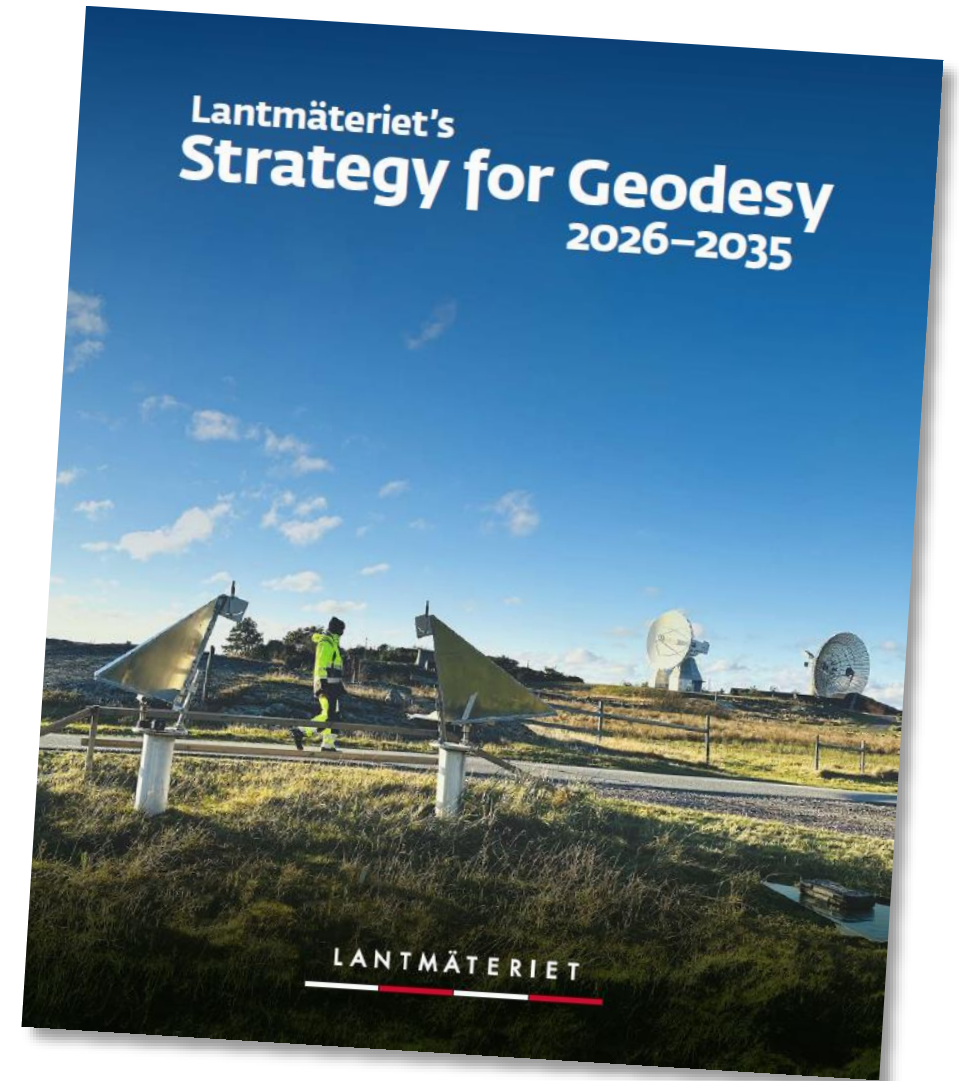


THE STRATEGY

... is available in English at
Lantmäteriet's website:



https://www.lantmateriet.se/globalassets/geodata/gps-och-geodetisk-matning/publikationer/geodesistrategi_2026-2035_engelsk.pdf



THANKS FOR YOUR ATTENTION!

**Tina Kempe, Tomas Holmberg, Lars Jämtnäs,
Per-Anders Olsson, Jonas Ågren, Martin Lidberg**

Department of Geodetic Infrastructure,
Geodata Division

CONTACT christina.kempe@lm.se

PHONE +46 (0)26 633856

geodesi@lm.se

+46 (0)26 633932

WEBSITE www.lantmateriet.se/en

