
National report of Sweden

-geodetic activities at Lantmäteriet, the National Land Survey of Sweden

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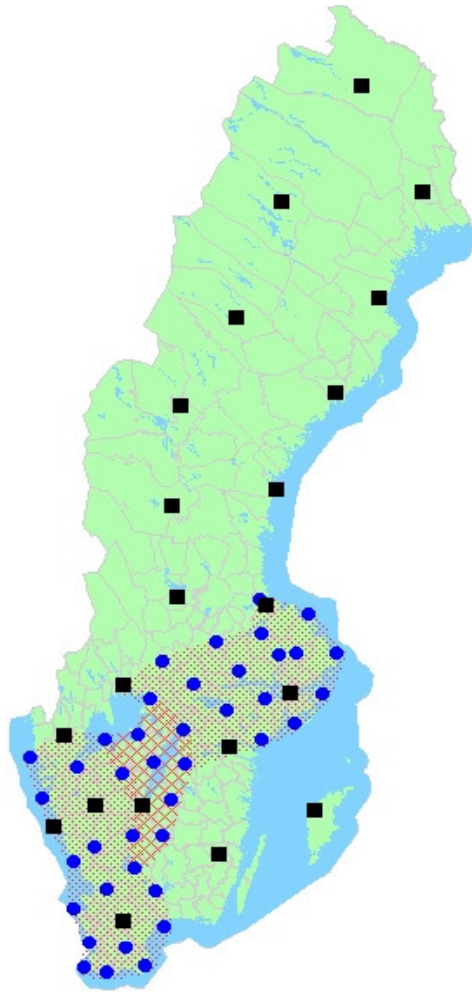
- Network contributions
- SWEPOS™
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- Introduction of new reference systems
 - SWEREF 99
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 - RH 2000
 - New national height system
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Network contributions



- Seven EPN stations
 - Five in IGS network
 - Six in ECGN
- Operation of NKG EPN Analysis Centre
 - NKG=Nordic Geodetic Commission



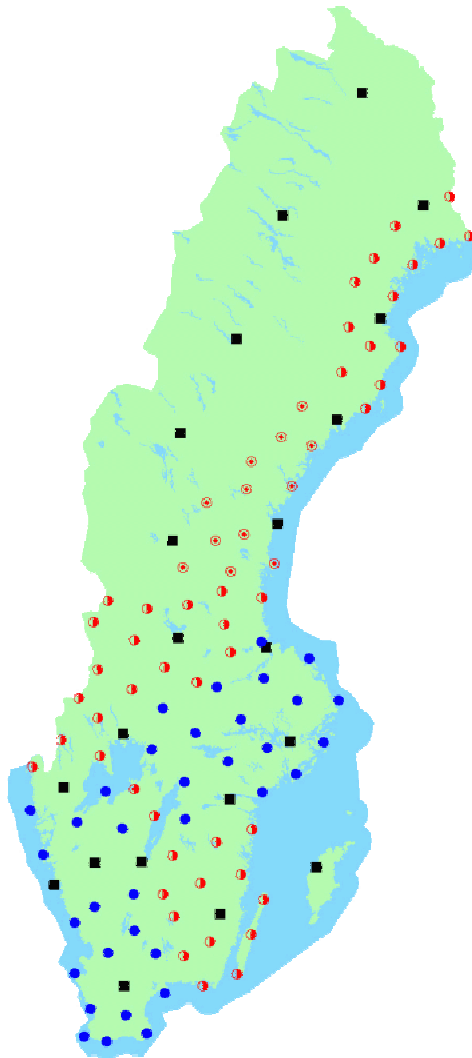


SWEPOS™

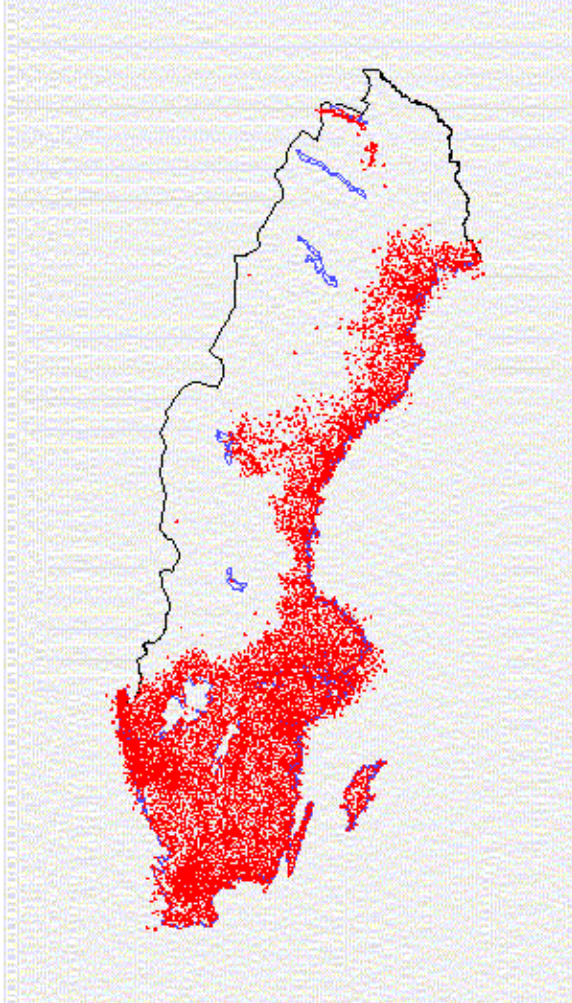
- Today 61 permanent stations
 - 21 complete
 - 40 simplified
- SWEPOS™ Network RTK Service
 - Launched on January 1st 2004
 - Approximately 220 subscriptions

SWEPOS™

- Expansion with regional establishment projects
 - Plan for 56 new stations



RIX 95



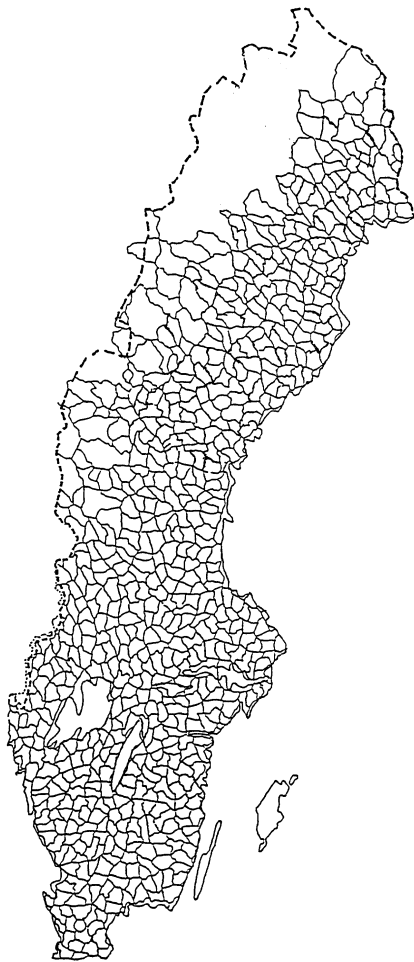
- GPS measurements
- Connection of local coordinate systems to national reference frames
 - SWEREF 99
 - RT 90

Introduction of SWEREF 99



- Will replace RT 90
- Can replace coordinate systems used locally
 - 30 (of 290) municipalities
- Decision regarding map projections taken 2003

Introduction of RH 2000



- Third national precise levelling
- Final computation during 2004
 - EVRS 2000
 - Zero-point(-s)
- Can replace height systems used locally
 - 10 (of 290) municipalities

Gravity activities



- Absolute gravity measurements according to NKG gravity plan in 2004
 - Seven existing points
 - Two new points