

National Report of Sweden

– geodetic activities at Lantmäteriet

the Swedish mapping, cadastral
and land registration authority

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Amsterdam, May 30-June 1, 2018

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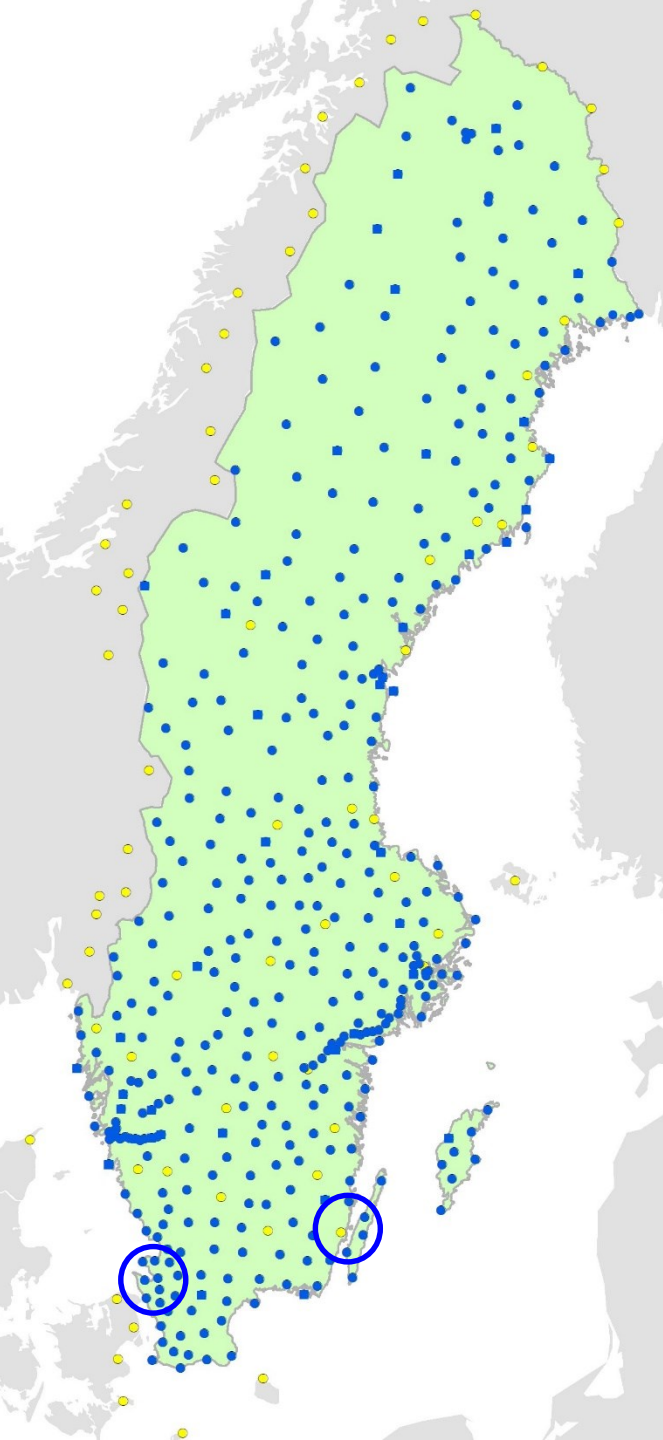
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SWEPOS

- 398 stations (~ 500 with partners)
- ~ 3760 users of N-RTK
- Densification in cooperation with municipalities
- Initial tests of snow effects on RTK positioning



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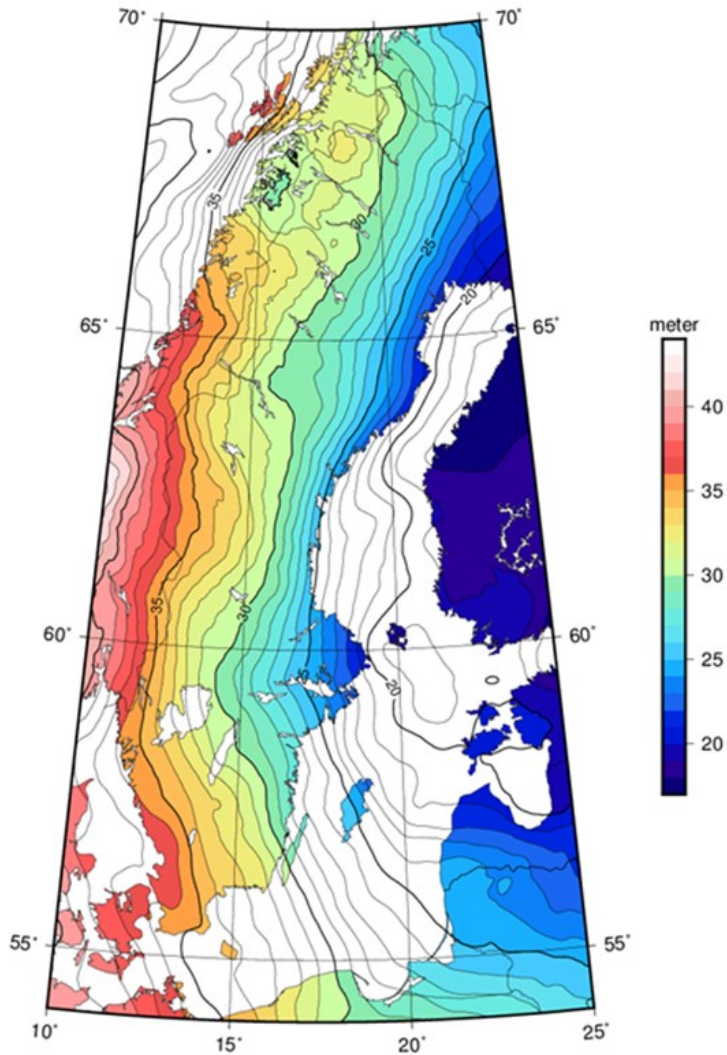


Galileo in SWEPOS Network RTK Service

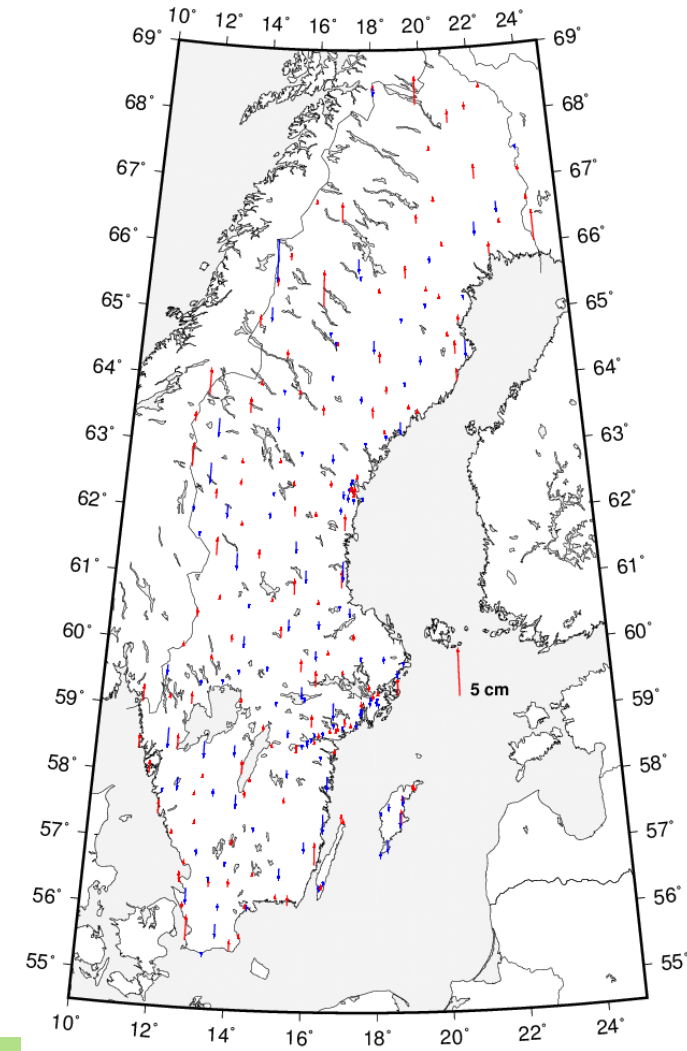
- Galileo available since 1 February
- Tests have so far indicated
 - better availability if Galileo satellites are added
 - no pronounced difference in positional uncertainty
- Compatibility issue:
Hardware – software
 - Use *Sparse GNSS Network* functionality
 - Procurement and purchase of software compatible GNSS receivers for SWEPOS



New geoid model SWEN17_RH2000



- Based on the gravimetric geoid NKG2015
- fitted to SWEREF99 and RH2000 by collocation
 - 200 levelled SWEREF-points (2x24h)
 - 1-4 measurements 1996-2016
 - Repeatability is a few millimetres in the horizontal and at the half-centimetre level in the vertical
- Standard uncertainty estimated by cross-validation to 8-10 mm on land



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New marine gravimeter (ZLS Dynamic Meter)

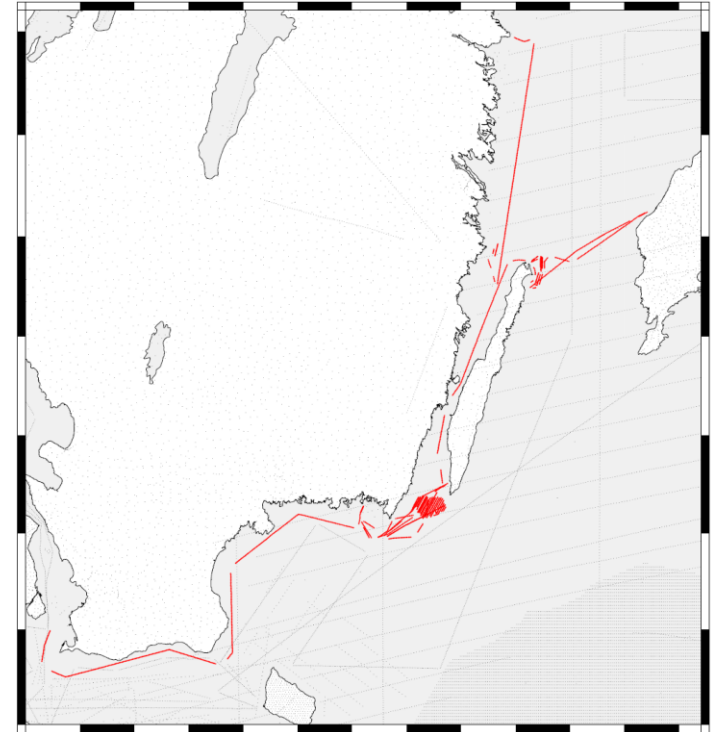
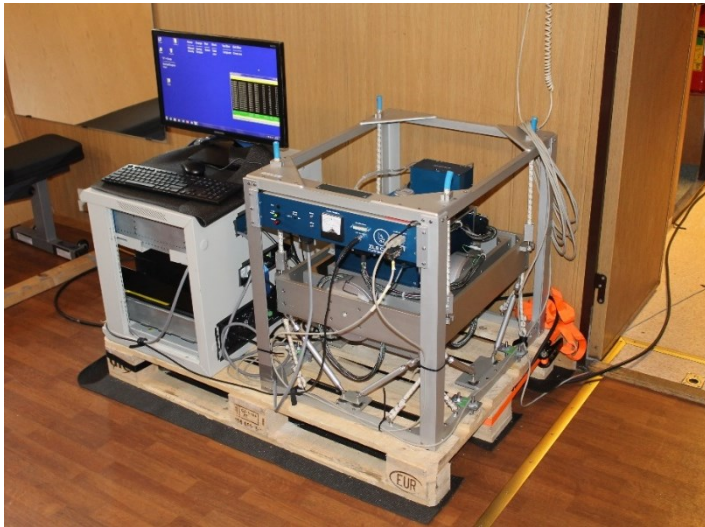


2017a: Delivery test May, 2017

2017b: June/July , 2017, Jakob Hägg, semi-dedicated

2018a: Jakob Hägg, April-May

2018b: GeoMari, May 2018, cooperation with FGI, dedicated



2017b

SWEDEN, RH2000



Partykungen.se



<http://www.theperfectworld.com>



lchf-recept.se



www.rezeptesuchen.com



Scandinavianobjets.com



www.butiklagul.se



scandinavianland.blogspot.se



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