


D #qhz #U hrg hwlf
Iq iudvwux fwxuh



Geodesy 2010



**Strategic Plan for Geodesy in Sweden
(4804)**

Mikael Lilje
Lars E. Engberg
Department of Geodesy
Lantmäteriet

**A strategic plan for Lantmäteriet's
geodetic activities
2011 – 2020**

Our vision
– is to be able to meet Swedish society's needs for a homogeneous, sustainable geodetic infrastructure and to guarantee its availability and use.

LANTMÄTERIET

D #qhz #U hrg hwlf
Iq iudvwux fwxuh

Our vision

– is to be able to meet Swedish society's needs
for a homogeneous, sustainable geodetic infrastructure
and to guarantee its availability and use.


Geodetic infrastructure:

Geodetic reference systems and networks (passive and active)
Systems for the provision of data and support

LANTMÄTERIET

FIG Working Week 2011, TS05D – National Geodesy II

May 20, 2011 2



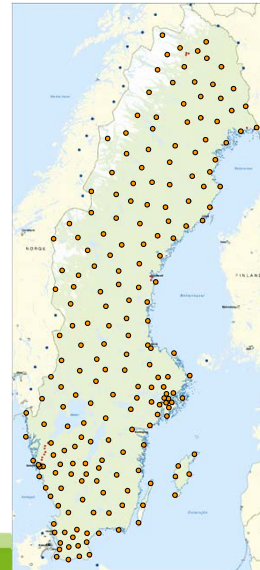


D #qhz #U hrghwlf
Iq iudvwuxfwxuh

We will focus on ...

❖ More accurate heights from Network-RTK

- Better geoid model;
uncertainty (1σ) of 1 cm year 2015, 0.5 cm year 2020
 - Creating a new gravity system, RG 2000, for Sweden
 - Better gravity observations all over the country
 - Carry out R&D theories and methods for geoid determination
-
- Densification of the SWEPOS network
 - Strive to promote an early introduction of modern GNSS



LANTMÄTERIET

FIG Working Week 2011, TS05D – National Geodesy II

May 20, 2011

3



D #qhz #U hrghwlf
Iq iudvwuxfwxuh

We will also focus on ...

- ❖ Complete transition to SWEREF 99 and RH 2000
- ❖ R&D work concerning the maintenance of reference systems and their sustainability
- ❖ A better model (3D) for the fennoscandian land uplift

To ensure the long-term sustainability of our reference systems SWEREF 99, RH 2000 and RG 2000

LANTMÄTERIET

FIG Working Week 2011, TS05D – National Geodesy II

May 20, 2011

4



D #qhz #U hrghwlf
Iq iudvwuxfwxuh

We will also ...

- ❖ Contribute to international geodetic co-operation both by supplying data and by actively participating in working groups

To ensure that the European reference systems ETRS89 and EVRS still remain in use for technical applications by year 2020

