

A decorative graphic on the left side of the slide, consisting of a black crosshair. The horizontal bar of the crosshair is a thick black line that extends across the width of the slide. The vertical bar is a thinner black line. To the left of the crosshair, there are three overlapping squares: a blue one at the top, a red one in the middle, and a yellow one at the bottom.

# National report of Slovenia

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**Klemen Medved**

(Surveying and Mapping Authority of the Republic of Slovenia)

**Sandi Berk**

(Geodetic Institute of Slovenia, Ljubljana)

**Bojan Stopar**

(University of Ljubljana, Faculty of Civil and Geodetic Engineering)



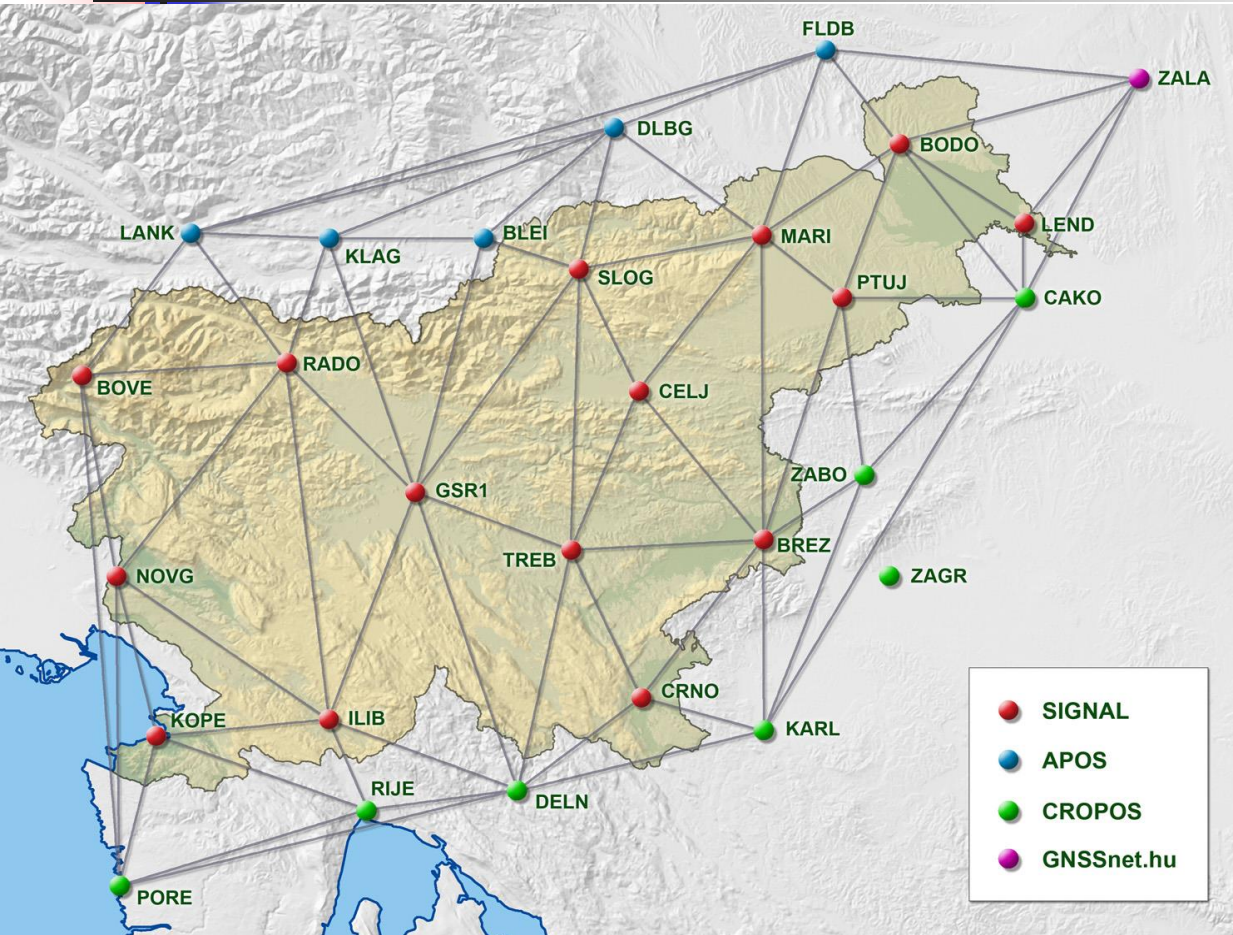
# Presentation topics

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- Positioning service (SIGNAL)
- Horizontal system
- Height Reference and Gravity
- National Combined Geodetic Network

## National report of Slovenia

# SIGNAL positioning service



- Replacement of 1 stat. VELD → LEND
- Analysis of ionospheric disturbance
- 15 stations:  
8 GNSS + 7 GPS



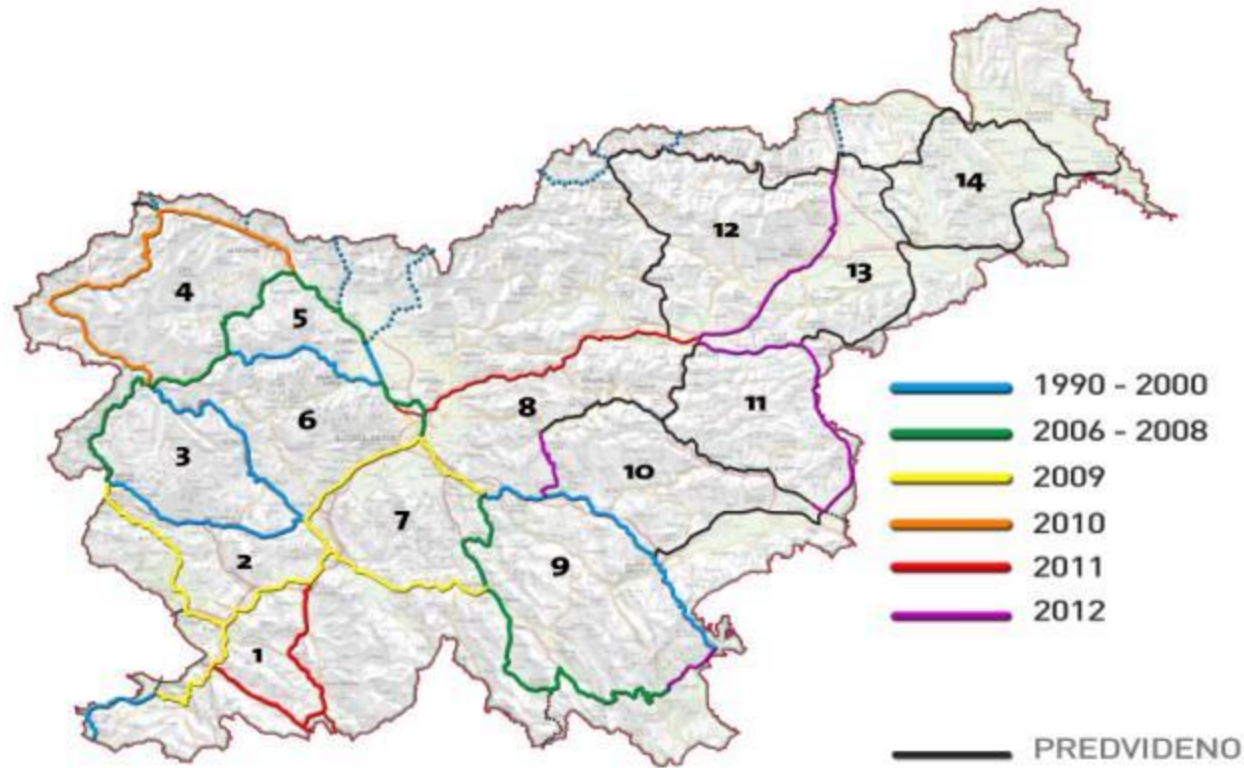
# Horizontal reference system

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- Project “**Establishment of ESRS in Slovenia (2007-2011)**”:
  - Country wide local to ETRS89 datum transformation model
  - → will be used for transformation of all spatial datasets
- Current realisation of ETRS89 from 1995
  - → need for new realisation
- New project “**Implementation of the new height system (2013-2016)**”

# Height and gravimetric system

- Levelling
  - 129 km in 2007
  - 165 km in 2008
  - 160 km in 2009
  - 162 km in 2010
  - 151 Km in 2011
  - 184 Km in 2012
- 59 % of all measurme finished
- RMS: 0,42 mm/km
- Till 2017 ??

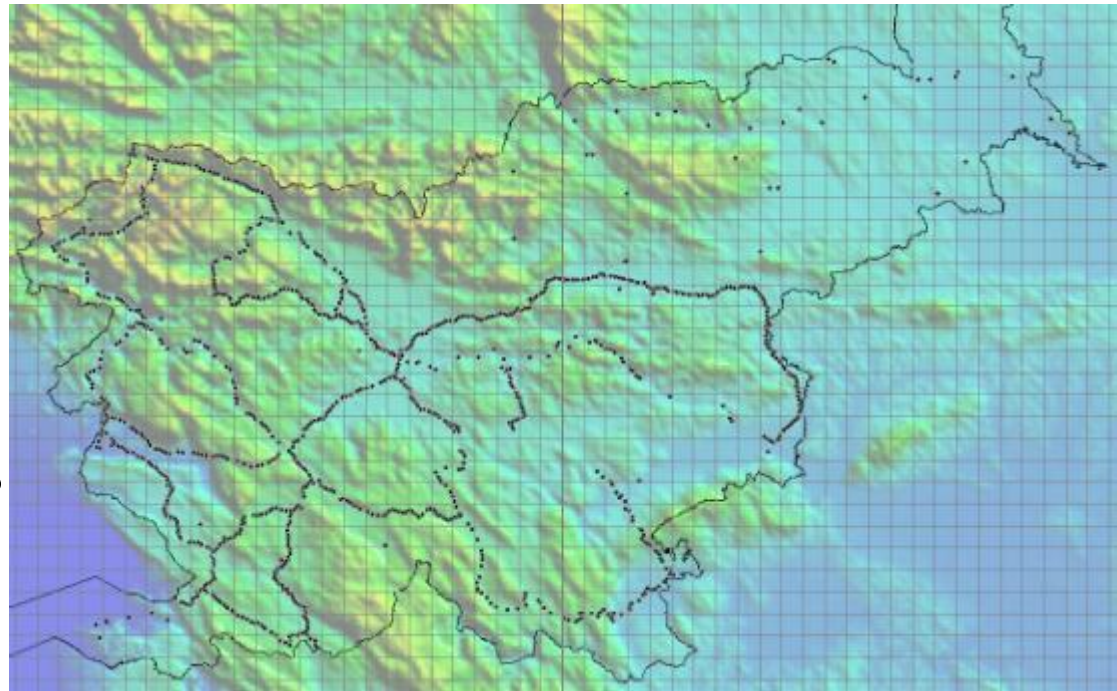




# Height and gravimetric system

## ■ Gravimetry

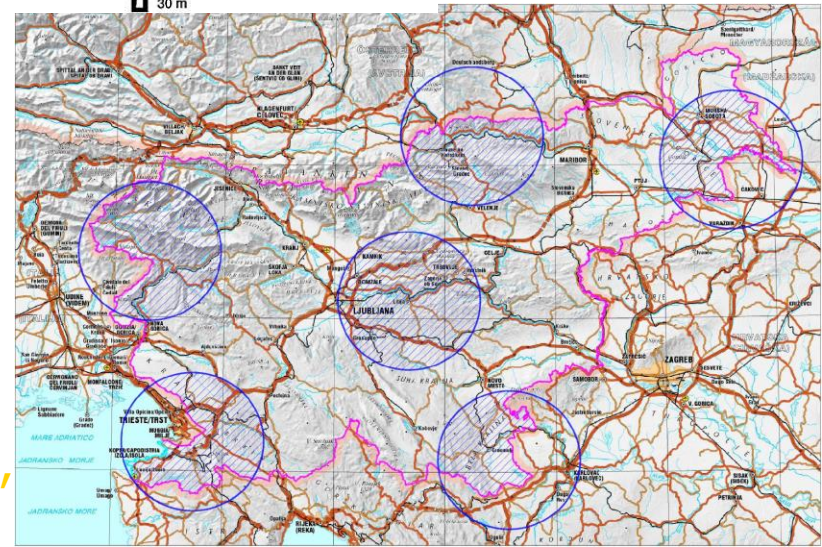
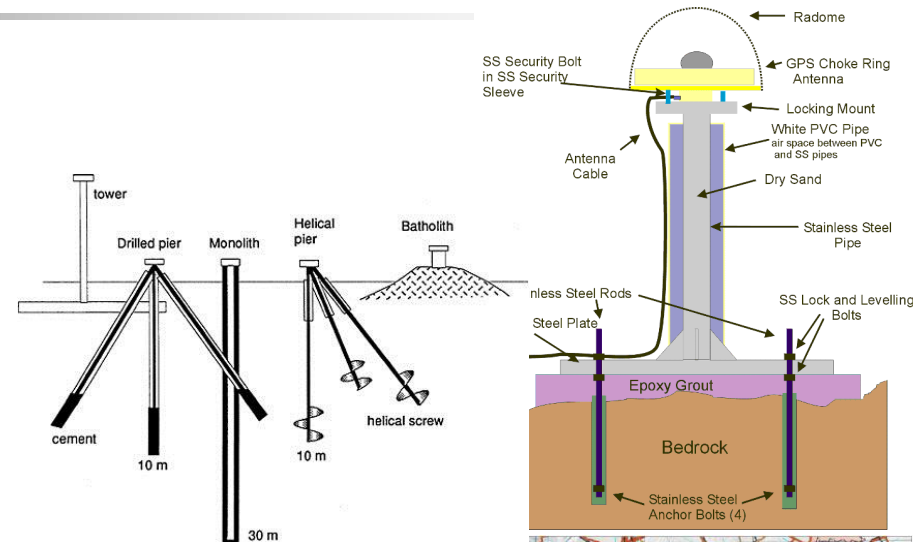
- More than 1200 points measured (from 2006)
- → geopotential numbers
- → new geoid model



# National Combined Geodetic Network

Establish a zero order network

- Preliminary study to determine concept
- Six sites (dst.  $\sim 100\text{km}$ )
- Serve as reference frame (HZ, Vt, gravimetric, SIGNAL) and as calibration network
- Plan to finish in 2016



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**Thank you for your attention**

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