

A decorative graphic on the left side of the slide, featuring overlapping blue, red, and yellow squares with a black crosshair.

National report of Slovenia

Jurij Režek, Žarko Komadina, Klemen Medved

(Surveying and Mapping Authority of the Republic of Slovenia)

Katja Bajec, Sandi Berk, Katja Oven

(Geodetic Institute of Slovenia, Ljubljana)

Božo Koler, Bojan Stopar

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



Presentation topics

- Act on Georeference System
- Project of Modernization of Spatial Data Infrastructure
- SIGNAL Positioning Service
- Horizontal and Height Reference
- Other Activities



Act on Georeference System

A new geodesy-related act was adopted in Slovenia in April this year [Act on Georeference System, 2014].

This act introduces:

- new, modern national spatial reference system, which is based on the European Spatial Reference System (ESRS), and
- new national topographic system together with the new map-grid system.

National report of Slovenia

Project of Modernization of Spatial Data Infrastructure to Reduce Risks and Impacts of Floods



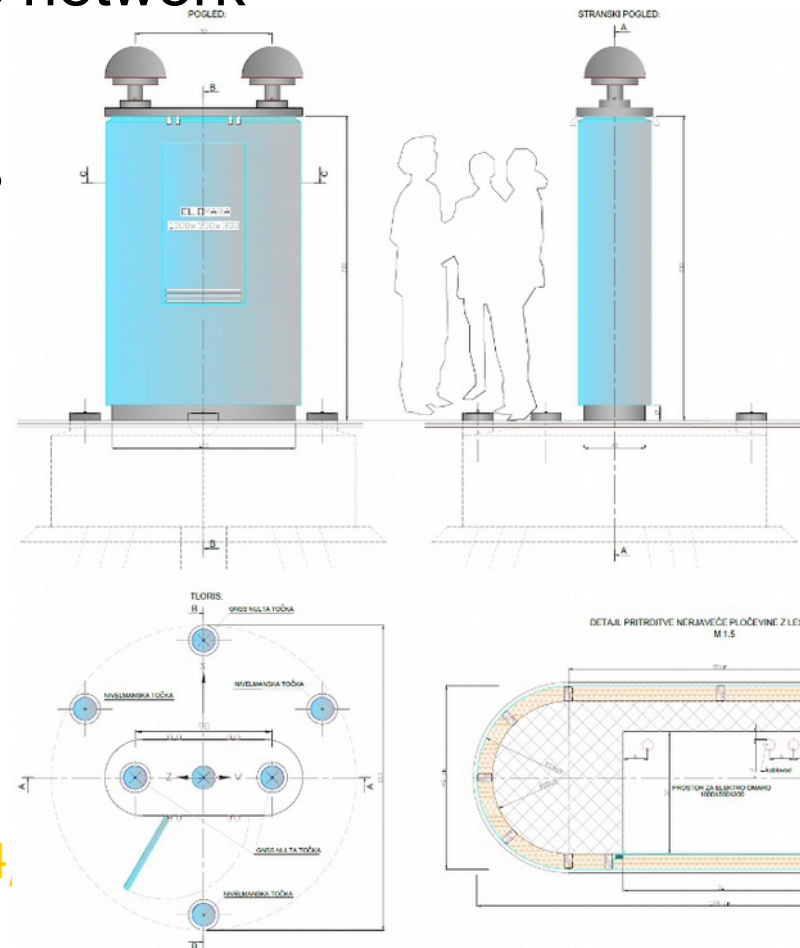
- started in November 2013 (april 2016)
- EEA Financial Mechanism Programme
- project partners: Norwegian Mapping Authority
National Land Survey of Iceland
- website: www.gurs-egp.si/eng/
- four sub-projects covering:
 - Geodetic Reference Framework (leveling, geoid),
 - Topographic Database (INSP data model, data),
 - INSPIRE Directive (services), and
 - Hydrography (INSP Hydrographic data model, data).

National report of Slovenia

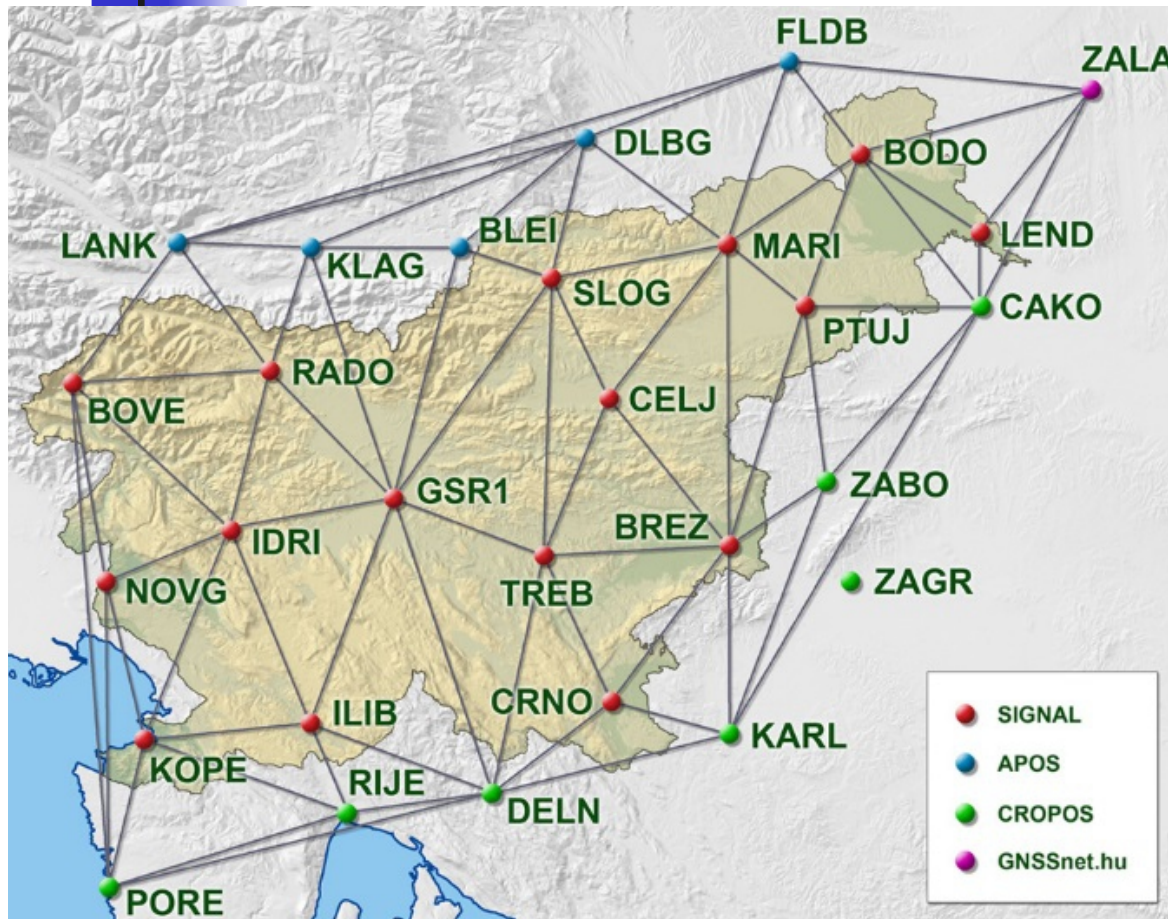
Project of Modernization of Spatial Data Infrastructure subproject Geodetic Reference Framework



- Zero order combined geodetic network
 - six 0.order stations
 - Study of optimal microlocations
 - Geological field report
 - 3 Concrete pillars
(down to 20m deep)
 - 2 GNSS antennas



SIGNAL positioning service



- 1 new station (may 2014)
IDRI (Idrija)
- 16 stations:
10 GNSS + 6 GPS
- Some equipment upgrade

National report of Slovenia

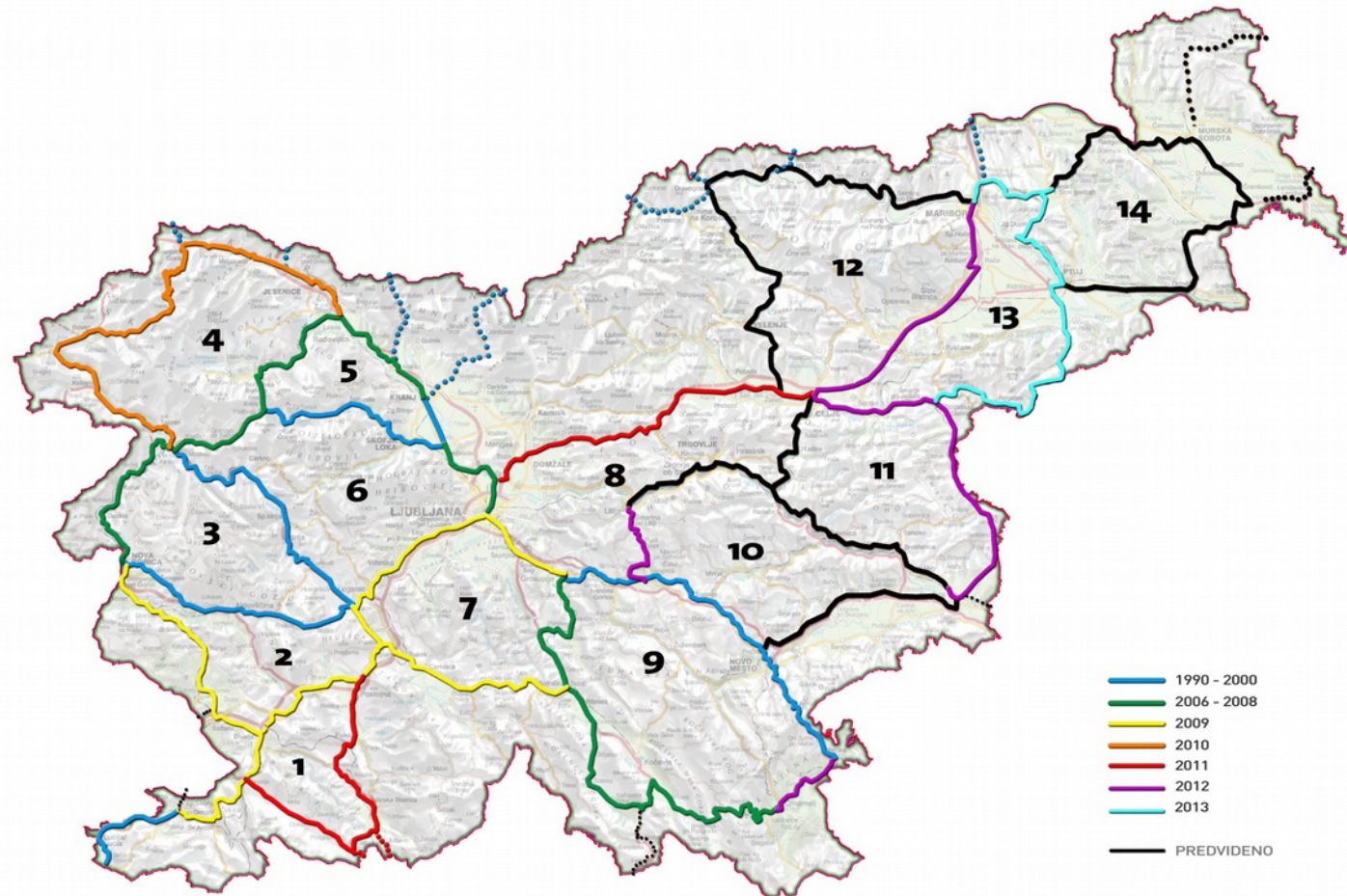
Vertical reference system

Levelling

- ~1.900 km planned lines
- 65 % finished
- 120 km in 2013
- Till 2016

Gravimetric measurements

- ~1500 measured benchmarks



Other activities

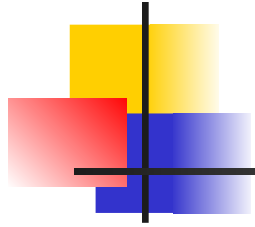
- Restoration on some of 1.st order triangulation points



point no. 515 (Košuta) before and after restoration.

- Preparation for the georeferenced data transformation
- LIDAR - Countrywide aerial laser scanning project

National report of Slovenia



Thank you for your attention