

EUREF 2007 Symposium

REPUBLIC OF SLOVENIA



MINISTRY OF THE ENVIRONMENT AND SPATIAL PLANNING

SURVEYING AND MAPPING AUTHORITY OF THE REPUBLIC OF SLOVENIA



THE NATIONAL REPORT OF THE REPUBLIC OF SLOVENIA



London, 5th - 9th June 2007

Blaž Mozetič



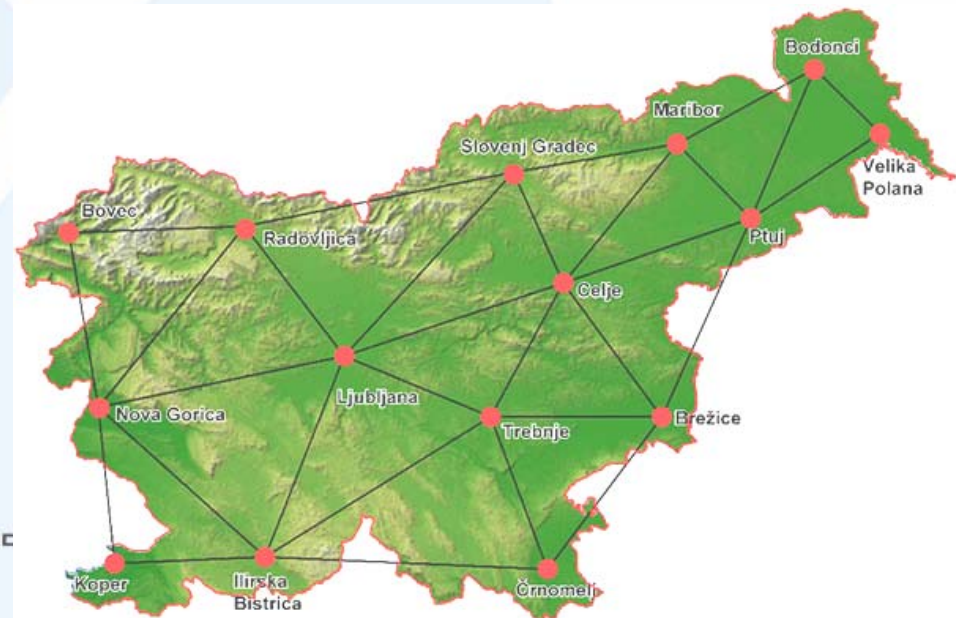
The Network of GPS Stations - SIGNAL

Slovenia-Geodesy-NAvigation-Location

- 15 GPS stations, 1 center of GPS Service
- Established in year 2006
- Fully functional since December 2006

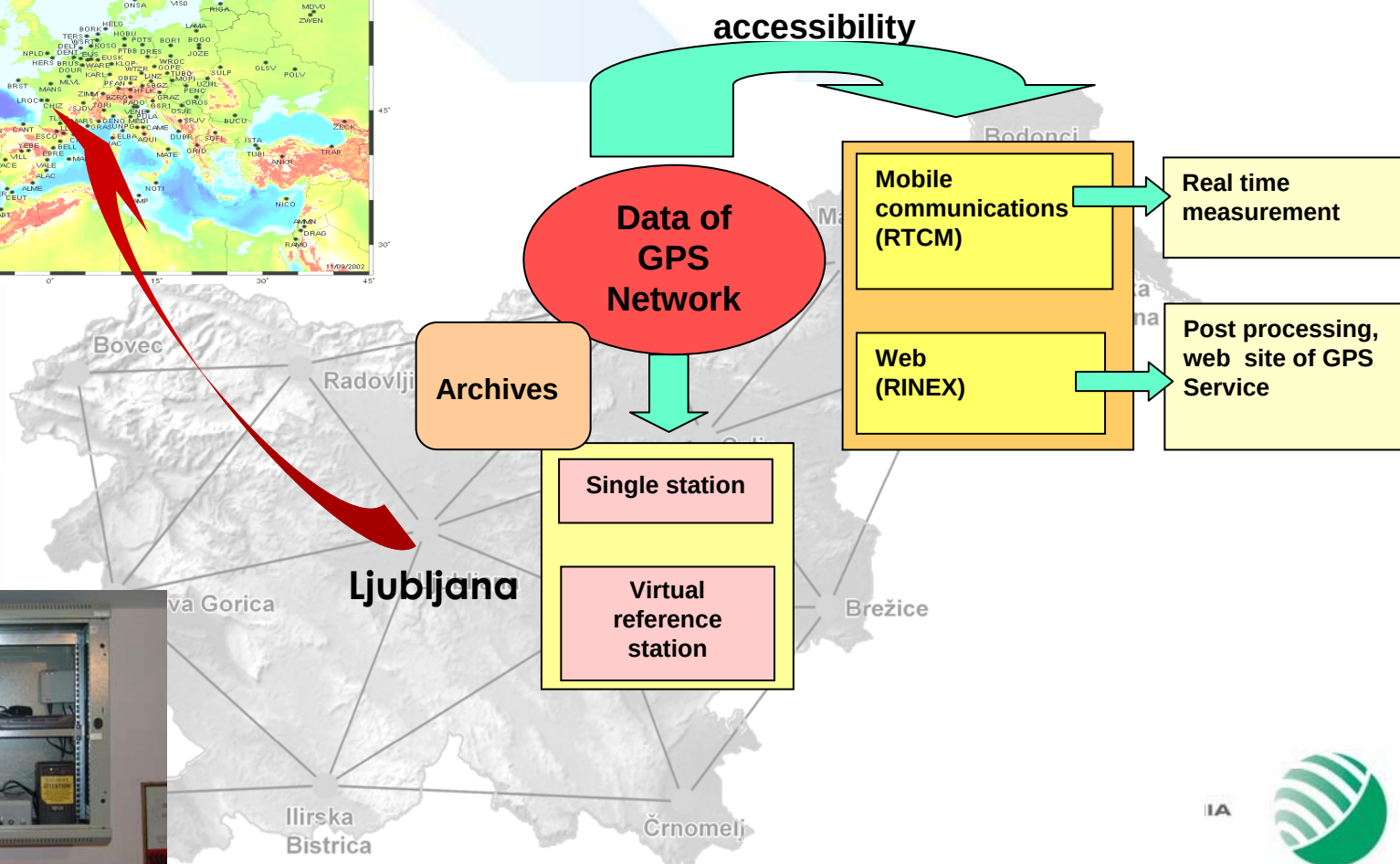
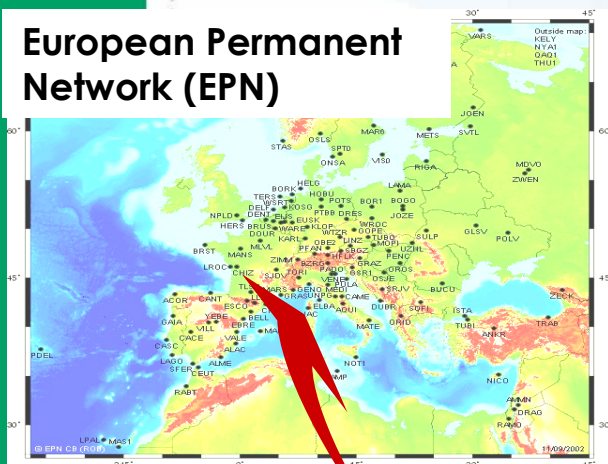
Fundamental
infrastructure for
positioning in the
new coordinate
system.

SURVEYING AND



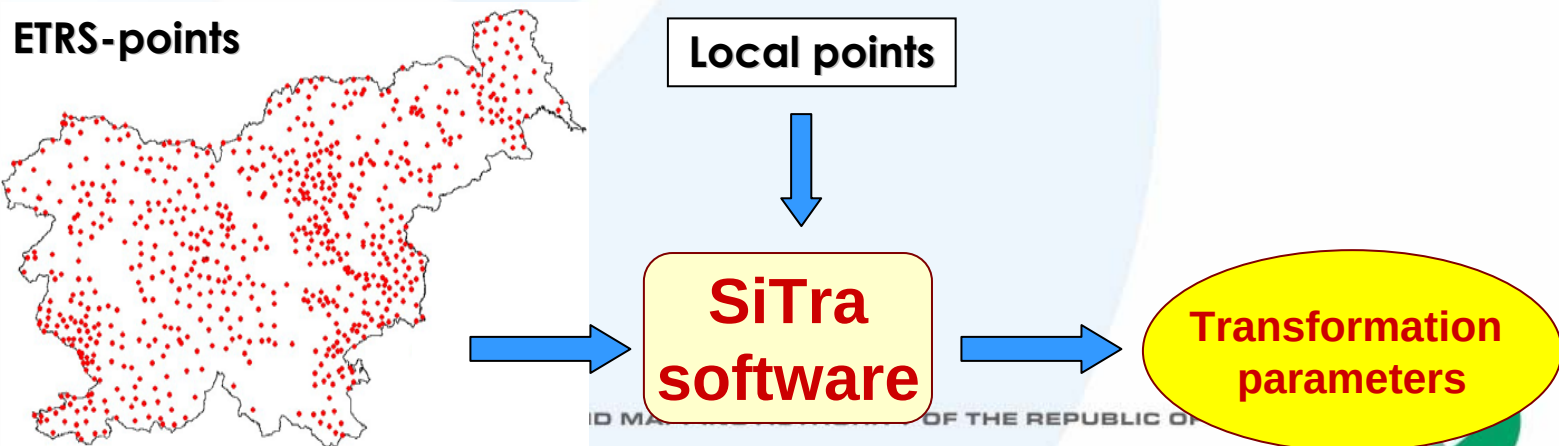
Data of The Network of GPS Stations

European Permanent Network (EPN)



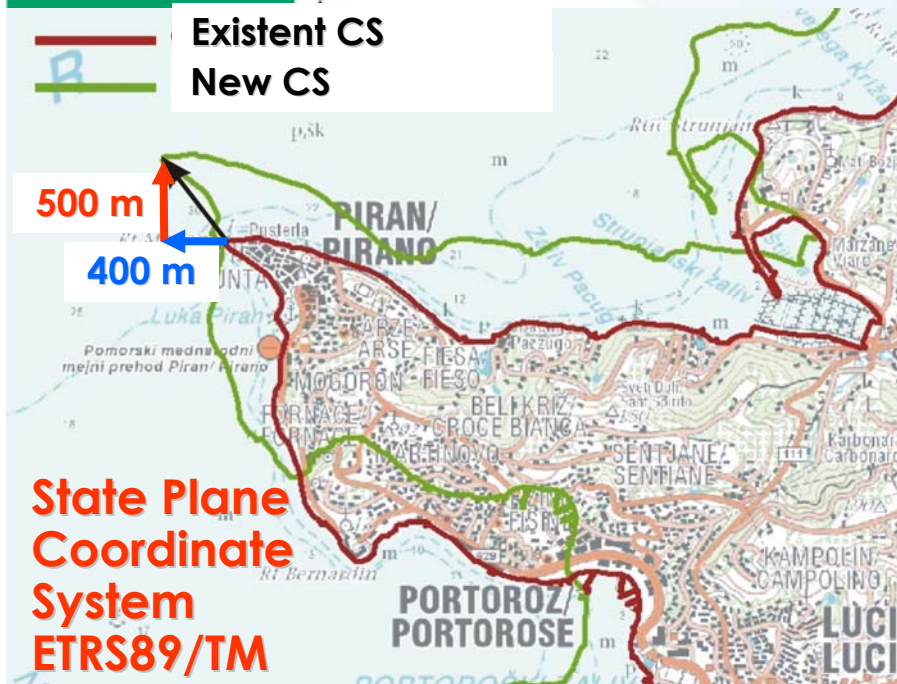
The Transformation of Data

- Transformation parameters based on ETRS-points (different levels)
- Detail transformation parameters based on local points (not measured by SMA)
- Transformation models for transformation of all SMA databases (testing phase)



The New Cartographic Projection

- Transverse Mercator Projection
- New ellipsoid: GRS80
- Latitude of projection origin: 0°
- Longitude of central meridian: 15°
- False northing: -5.000.000 m
- False easting: 500.000 m
- Scale factor: 0,9999

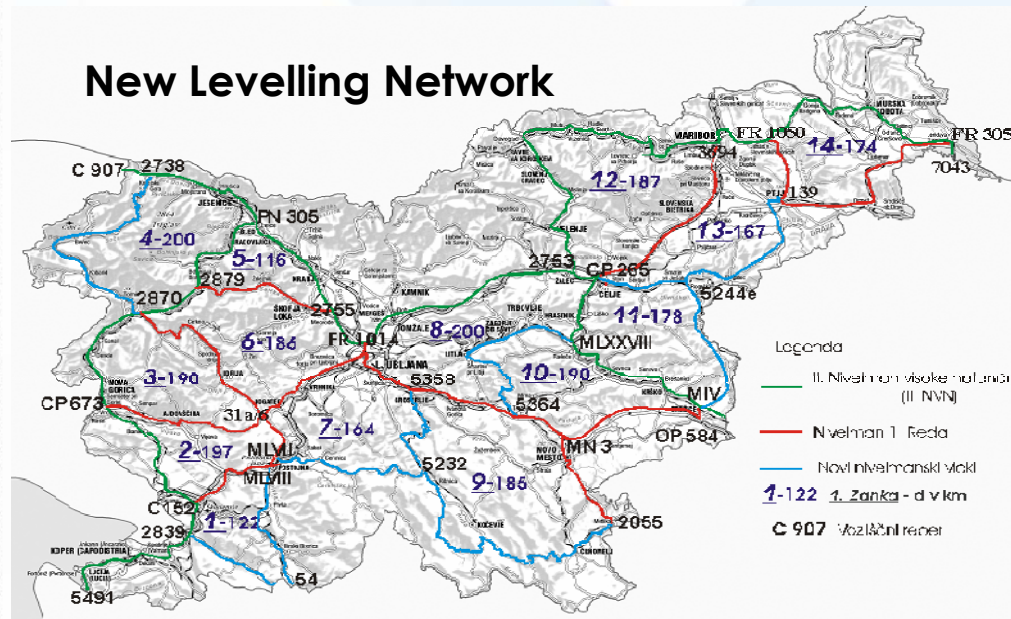


ND MAPING AUTHORITY OF THE REPUBLIC OF SLOVENIA



The Height System

- Study of the new height system
- Proposal of the new high precision levelling network (2000 km)
- New tide gauge station (mareograf Koper), part of ESEAS

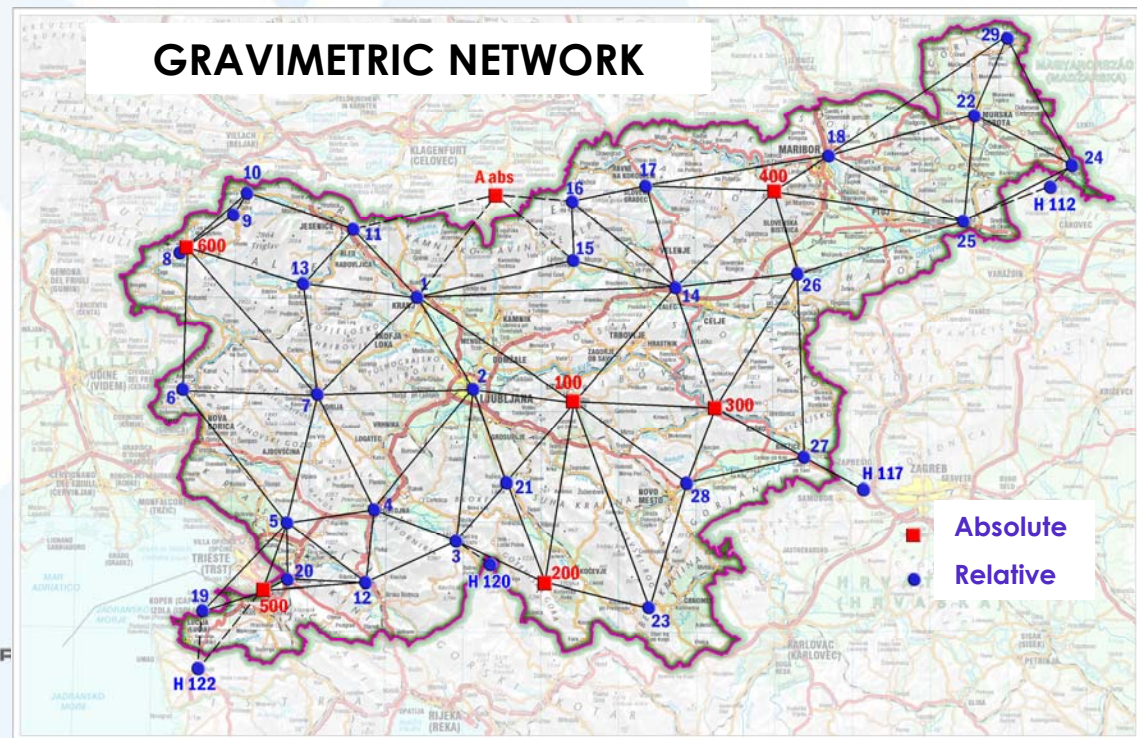


The New Gravimetric Network

- Establishment of new gravimetric points
- Relative measurement of points in 2006

Points:

- 6 absolute
- 29 relative



The Project

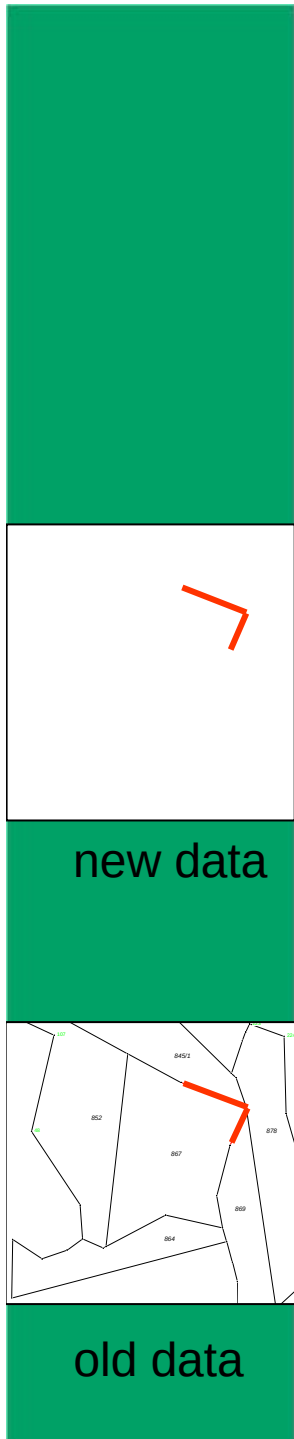
Establishment of the Network of GPS Stations and European Spatial Reference System in Slovenia

- Grant Agreement with Norwegian Financial Mechanism (financial donation)
- Overall Objectives: to establish a modern national geoinformation infrastructure
- providing conditions for determining position in ESRS with GPS in the entire state territory
- higher quality of spatial data (long-term)



The Recording of the Real Estate Act

- All updates in Land Cadastre will be determined and will be recorded in the new coordinate system after 1st January 2008.
- The Land Cadastre database will be maintained in the existing (old) and in the new coordinate system (creation of new data layer).





Thank You for Your attention.



M.Sc. Blaž Mozetič
Zemljemerska ulica 12
SI-1000 Ljubljana
Slovenia

blaz.mozetic@gov.si
<http://www.gu.gov.si/>