

# Spatial Data in Slovenia

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# Slovenia



- Surface area 20,273 km<sup>2</sup>
- Population approx. 2 mio
- Highest peak Triglav (2,864 m)
- The longest river Sava (947 km, of which 221 km run through Slovenia)
- House numbers 540,640
- Streets 10,111
- Municipalities 211
- Cadastral plots 5,440,275
- Buildings 1,164,503

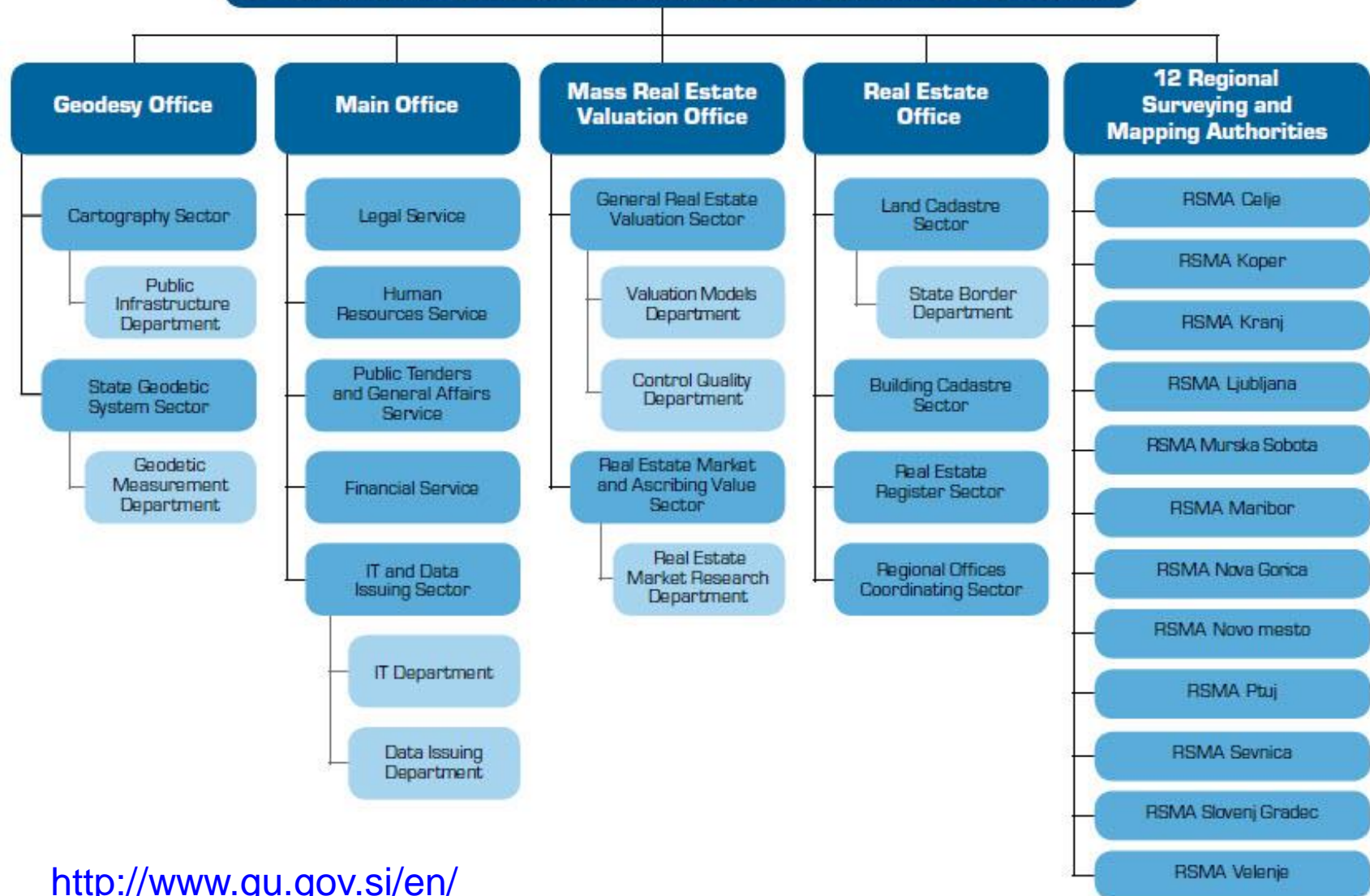
# Surveying and Mapping Authority of the Republic Slovenia

- Public institution within **Ministry of Infrastructure and Spatial Planning**
- SMA = **national land survey service**:  
creation, management and updating of databases
  - Basic **geodetic system**
  - Real estate (**Land Cadastre, Building Cadastre**)
  - **State border**
  - **Spatial units** and **Register of house numbers**
  - Cadastre of **Public Infrastructure**
  - National **topographic** and **cartographic** system
  - Real estate **mass valuation system**
  - **INSPIRE** focal point for Slovenia



# ABOUT SURVEYING AND MAPPING AUTHORITY OF THE REPUBLIC OF SLOVENIA

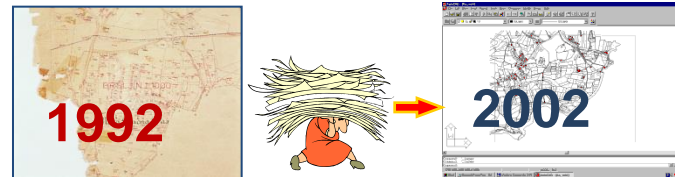
## SURVEYING AND MAPPING AUTHORITY OF THE REPUBLIC OF SLOVENIA





# SMA and spatial datasets overview

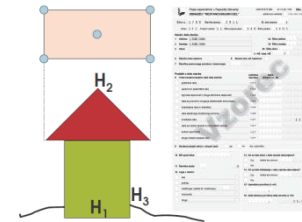
**Land cadastre in digital**



**Building cadastre in digital**



**Buildings and apartments detailed information**



**Register of spatial units and addresses in digital**



**Cadastre of public utilities in digital**



# SMA and spatial datasets overview

## National geo-reference system



## National topographic maps in digital



## Digital orthophoto

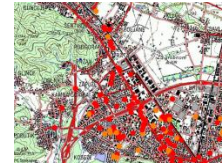


## Register of geographical names in digital

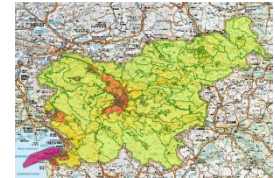


# SMA and spatial datasets overview

**Real estate market register in digital**



**Real estate valuation zones and models**



**All real estates valued**



# Spatial data – public view

- Public view in real estate data (including real estate **value**)

<http://prostor3.gov.si/javni/login.jsp?jezik=en>

**general search**  
2681 772/1  
Confirm Clear fields  
Advanced search  
Full title

Cadastral area code and name	Parcel number	Surface area (m <sup>2</sup> )	Settled parcel	Cadastral income (EUR)	Value of the real estate property	Graphic display
2681/BRONJE 2	772/1	1470	no	0,00		

Legend: ☒ Real Estate Registry data ☐ Land Cadastre data

**DATA ON TYPES OF USE**  
Cadastral area code and name 2681 Parcel number 772/1

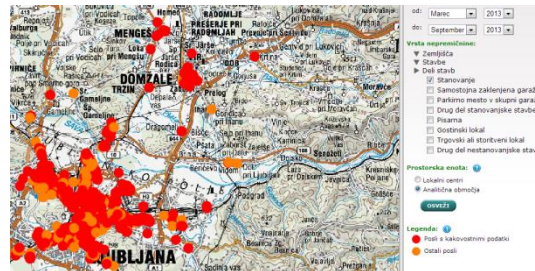
SURFACE AREA (m <sup>2</sup> )	ACTUAL USE	SURFACE AREA (m <sup>2</sup> )
1470	Poslovna zemljišča	1470
	PURPOSE OF USE	SURFACE AREA (m <sup>2</sup> )
	zemljišča namenjena obratni dejavnosti	1470

**Value of the real estate property**  
Value of real estate is 34.178 €

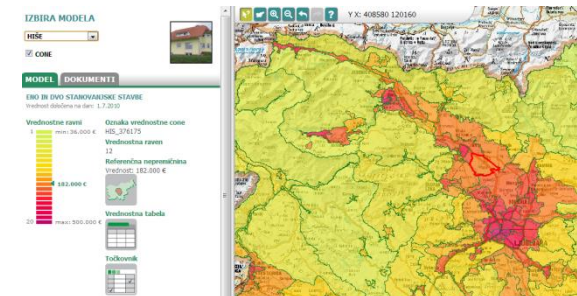
Units of real estate  
**Parcels**

Cadastral area	Parcel number
2681	772/1

- Public view in real estate **transactions** register



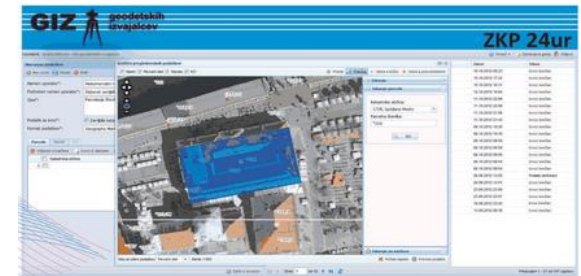
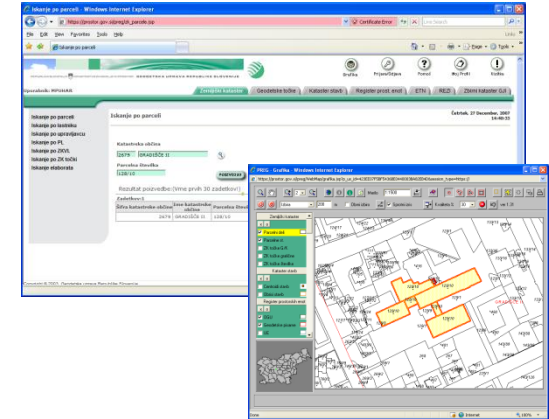
- Public view in real estate valuation **zones** and **models**





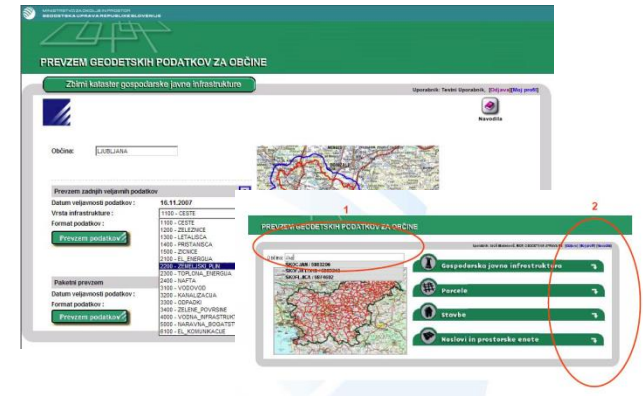
# Spatial data – registered users

- PREG application for **registered** users from public administration and certified surveyors
- ZKP 24 application for certified surveyors – **download** of land cadastral data (developed by Association of Geodetic Companies)



# Spatial data – web services

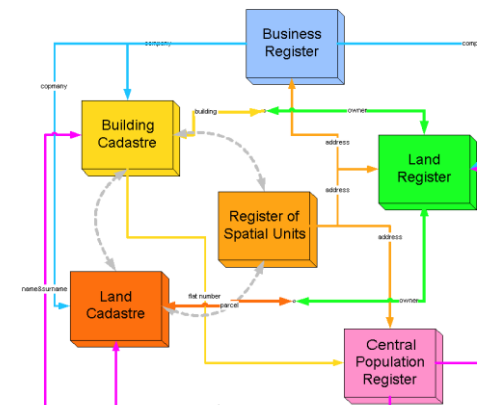
- Specialized download service for local communities



- Web services (OGC compliant WMS/WFS infrastructure)

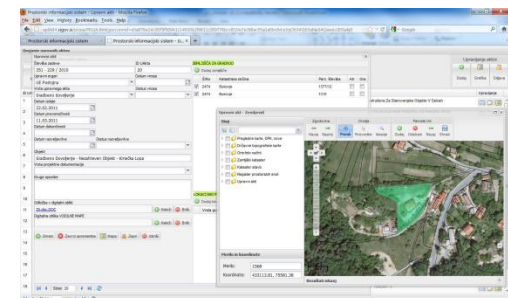


- Register to register data exchange

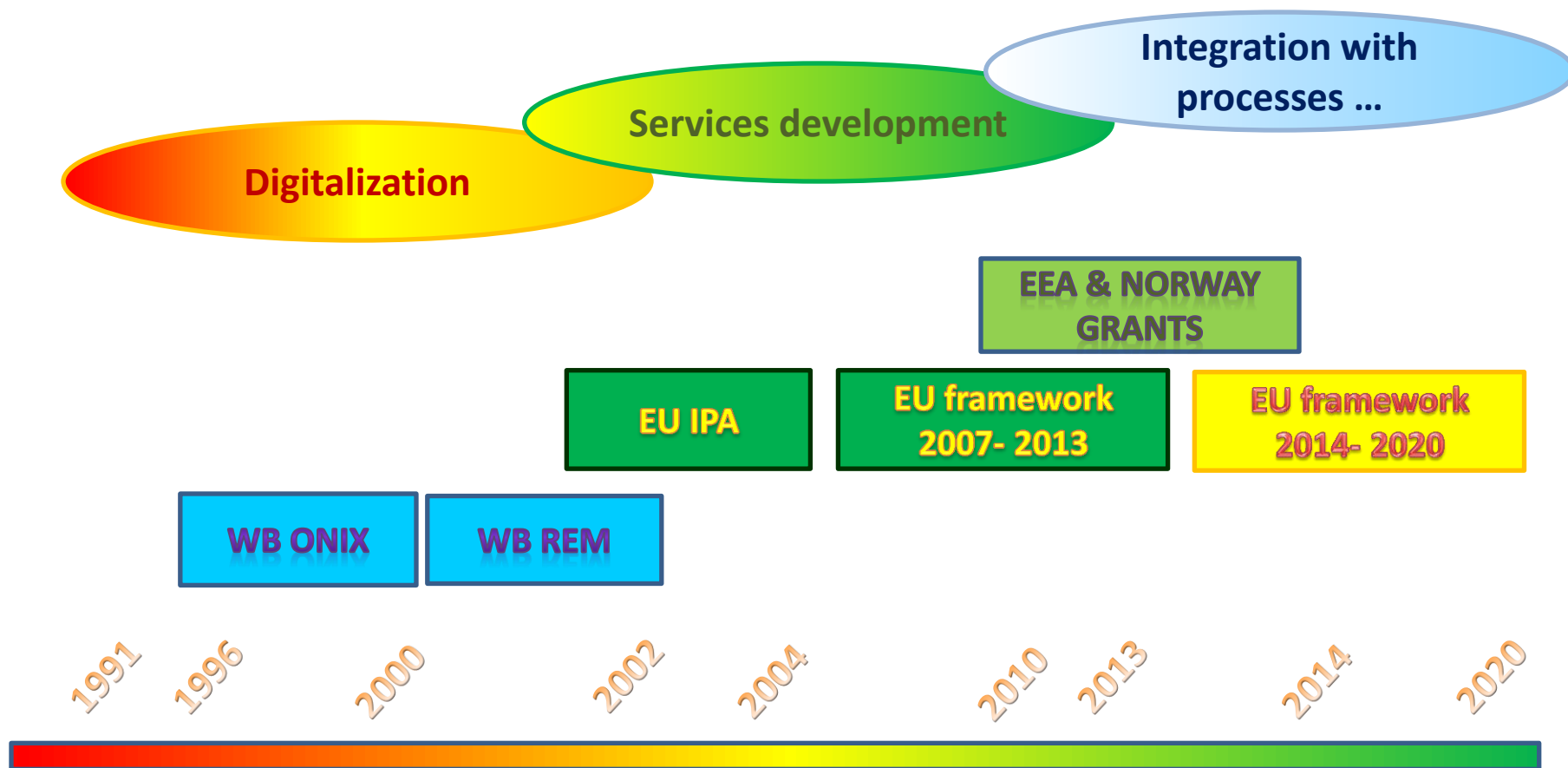


# Integration in public e-service

- Real estate ownership registration/changes (land register-land/building cadaster)
- Electronic data collection for e-Welfare system
- Spatial planning processes and e-Building permits

[illegible][illegible]

# Overview of NSDI financing in Slovenia

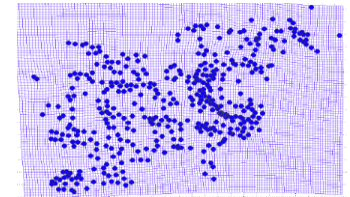


# EEA NFM financial mechanisms



## State geodetic coordinate reference system

- EU harmonised (ESRS)
  - Horizontal geodetic system (permanent reference stations; GPS/GLONASS/Galileo GNSS services to users /
- State height system
  - Levelling + (Quasi)geoid



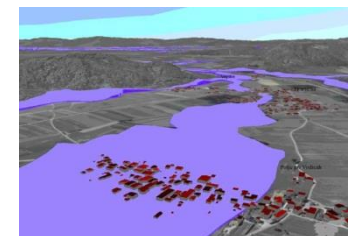
## State geodetic topographic system

- Topographic database (of topographic objects; themes – traffic, water, ...)
- EU harmonised (INSPIRE)
- Internet topo map making services



## Water/flood management system

- Data on hydrographical network + LIDAR terrain model → flood modelling



2007-2016 **2.5mio €**



Thank you