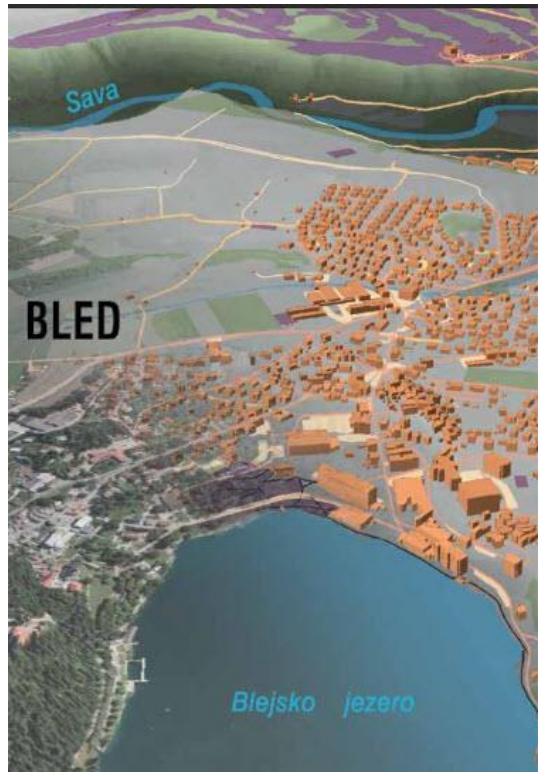
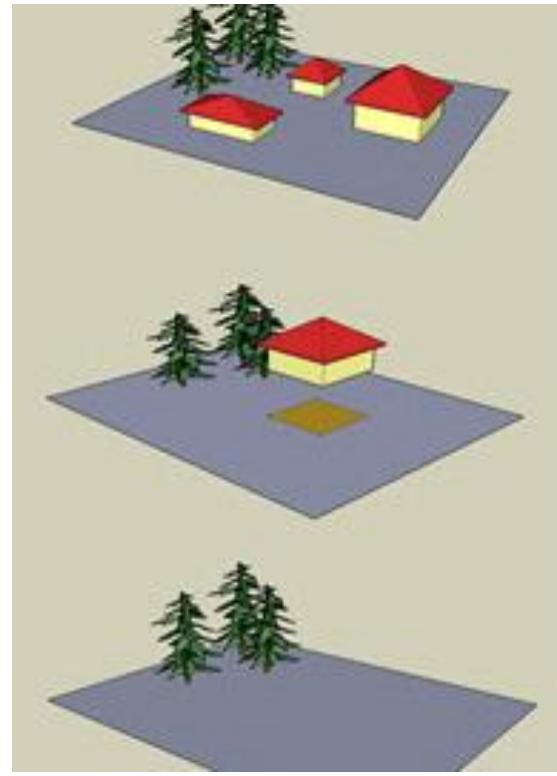


Quality issues & SMA

Geodetska uprava
Republike Slovenije



National geodetic reference system:
- National spatial coordinate system
- National topographic system



Real estate data:
- Cadastres (land, building, public infrastructure)
- Registers (real estate, spatial units)
- Mass evaluation data

Kategorije Zbirka topografskih podatkov

A small thumbnail image of a topographic map showing a town with various colored areas and lines. The town is labeled 'Toca'.

Zbirka topografskih podatkov se vodi v obliki Državnega topografskega modela (DTM), ki vsebuje grafične in atributne topografske podatke o objektih, ki ustrezajo natančnosti merila 1: 5000. V DTM se zajemajo topografski podatki za območje Slovenije, ki so skladni s Geodetsko upravo Republike Slovenije

Kategorije Register prostorskih enot

A small thumbnail image of a map showing several spatial units as colored polygons on a grid background. The map is labeled 'Goričica'.

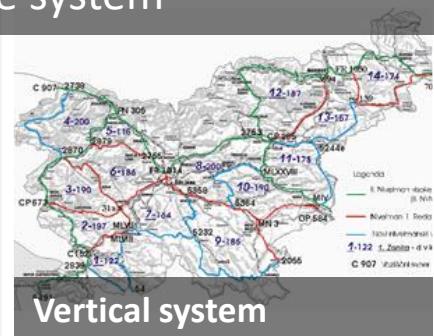
Register prostorskih enot je integrirana podatkovna baza z lokacijskimi in opisnimi podatki o naslovih in prostorskih enotah (prostorski okoliši, naselja, občine, poštni okoliši, upravne enote, statistične regije, šolski okoliši, ozki deli občin (mestne četrti, krajevne skupnosti, vaške četrti)), Geodetska uprava Republike Slovenije

Data Issuing and INSPIRE:
- Services
- Metadata
- Geoportal
- Open data
- Registry

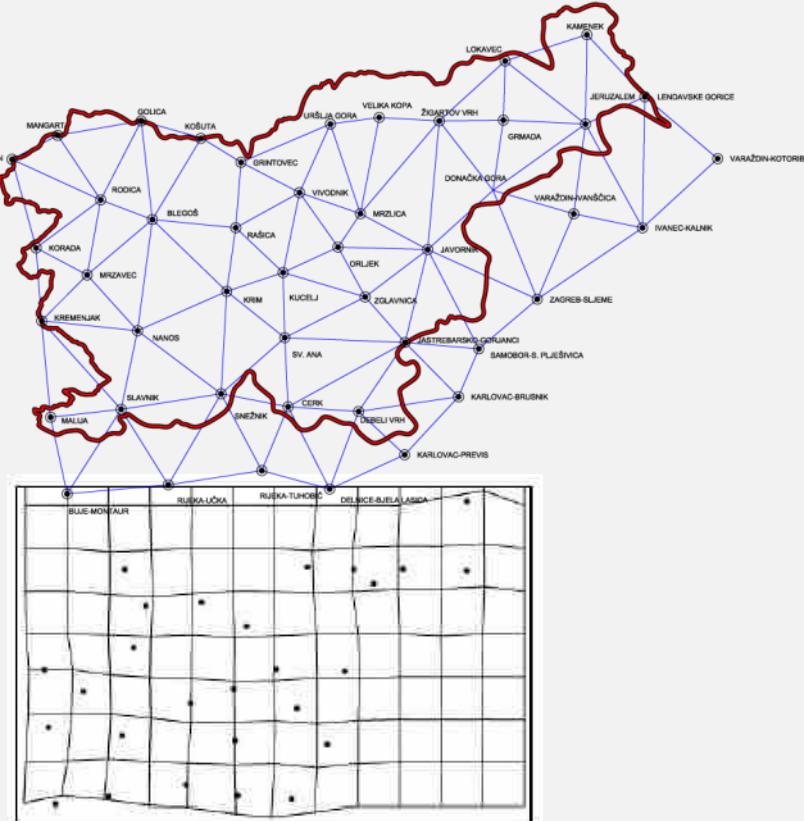
National spatial coordinate system



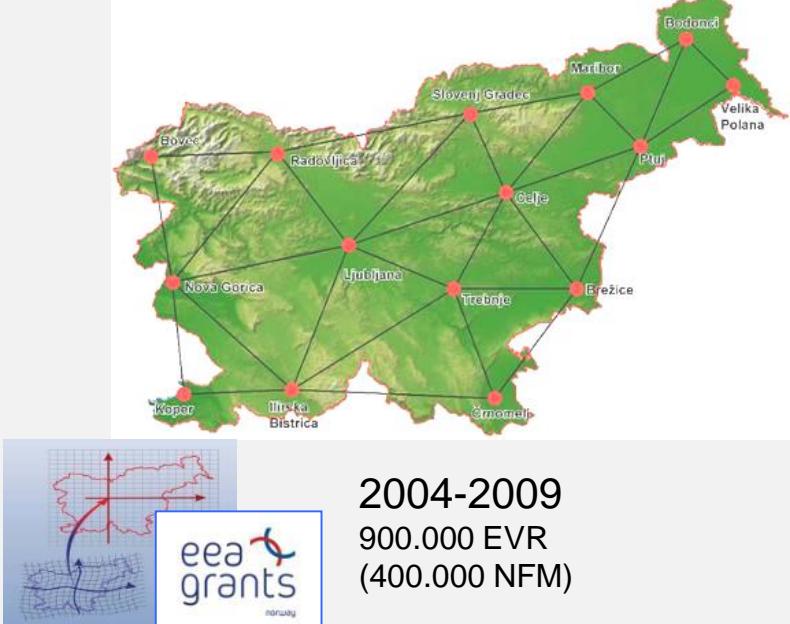
SIGNAL (hor. system)



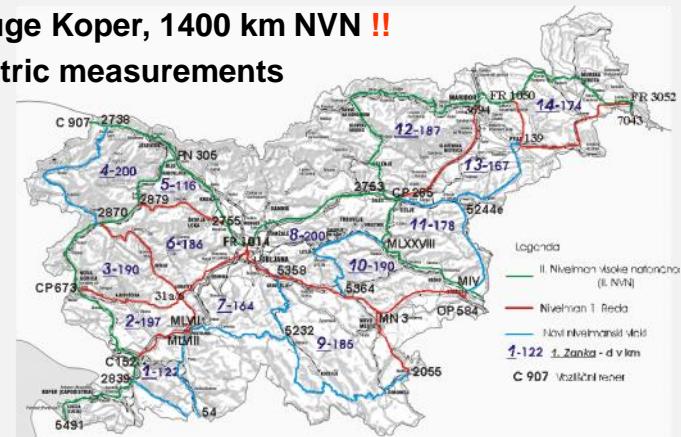
- Horizontal system (**D48/GK**):
- 29.000 basic, 225.000 measurement points, geodetic networks
- Levelling network: 11.000 points



- Horizontal system : **ETRS89/TM (D96/TM)**
- **2000 ETRS-points and 16 GNSS stations (SIGNAL)**

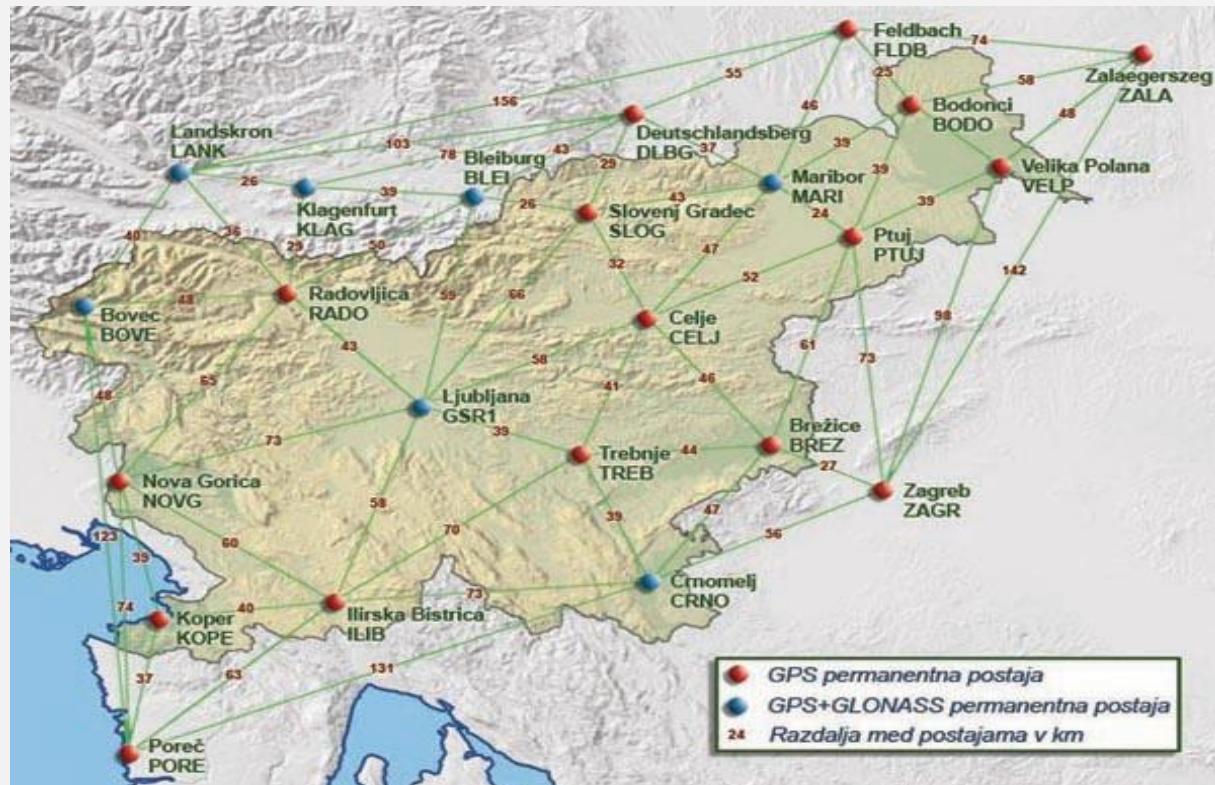


- Height system: **EVRS 2000**
- tide gauge Koper, 1400 km NVN !!
- Gravimetric measurements



New national CRS

STATE GNSS NETWORK - SIGNAL



SIGNAL =

**Slovenia
Geodesy
Navigation
Location**

**Enables
geodetic accuracy
measurements
countrywide**

Homogeneous accuracy

**Introduction of GNSS
measurements in private
(geodetic) sector**

**Installed 2000-2006
Operational 2006**



- Old CRS – D48 (EPSG 3912)
- New CRS – D96 (EPSG 3794)

- **Activities:**
 - National geodetic CRS Act
 - Establishment of GNSS network called SIGNAL
 - List of tie points
 - Transformation parameters for transition
 - Software for performing transformation
 - Mostly data sets are transformed in new CRS
 - All field survey is done in new CRS
 - Different transformation models (depends on positional accuracy levels)

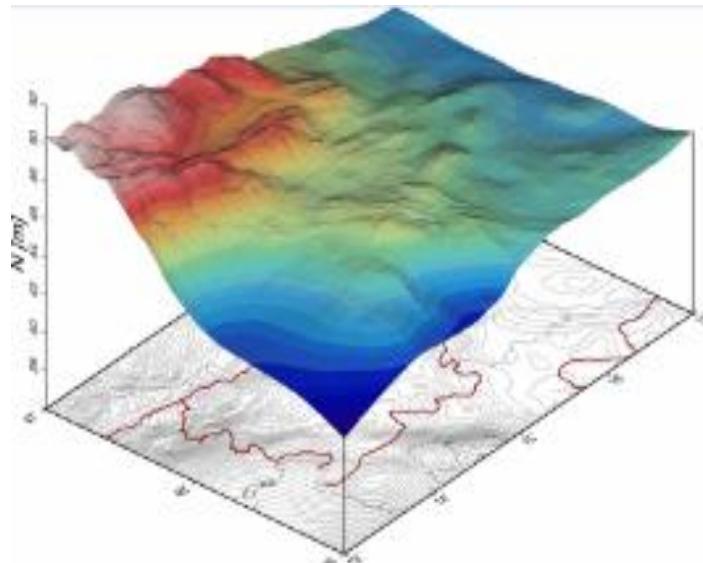
New national CRS



MODERNIZATION OF SPATIAL DATA INFRASTRUCTURE TO REDUCE RISKS AND IMPACTS OF FLOODS

- Establishment of the vertical component of the national coordinate system,
- Data layers of basic topographic and hydrographic data, compliant with the INSPIRE,
- Implementing INSPIRE requirements

EEA Grants - Subproject GEODETIC REFERENCE SYSTEM



Quasigeoid model

- **ESTABLISHMENT OF A NATIONAL COMBINED GEODETIC NETWORK**
- **IMPLEMENTATION OF THE VERTICAL COMPONENT OF ESRS**
- **DEVELOPMENT OF THE GEOID MODEL FOR THE TERRITORY OF SLOVENIA**



national zero order geodetic network

Field survey – quality controls



- Controls of ortophotos (ground control points)
- Controls of transformation model (CRS) for land cadastre
- Quality control of geoid model (1000 points)
- Controls of SIGNAL network (data flow, position of stations)
- EUREF campaign – checking the realisation of state CRS -
- Accuracy control of CPI
- Periodic checking of state border signs
- New measurement of border signs

Ortophoto

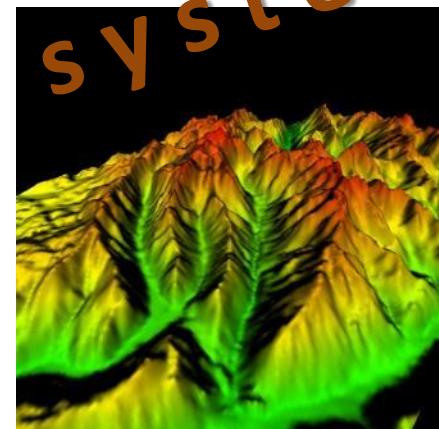


Topographic data



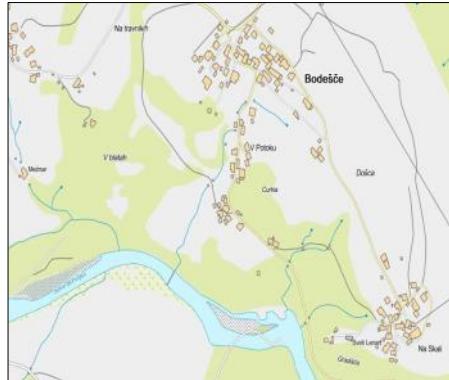
Topographic

system



Terrain models

Geographical names



Topographic maps



Ortophoto

3 year cycle,
0.25 ; 0.5 and IR DOF,
Terrain model 5x5

- Control of specifications
- New standard for position accuracy (ASPRS standard)
- Controls partly outsourced (Geodetic Institute)
- Guidelines for Best Practice and Quality Checking of Ortho Imagery (JRC)
- Aerophotography, DMV & OF



2 ORTOFOTO

ID	Opis	Element	Podelement	Kontrola izvaja
POP_1	Pregled elaborata ortofoto posnetkov	Popolnost	Zgrešenost in/ali izpustitev	GU
POP_2	Preverba prostorskega obsega, geolokacije in zapisov listov	Popolnost	Zgrešenost in/ali izpustitev	GU
PON_1	Kontrola stikov med ortofoti in prehodi med aeroposnetki v mozaiku	Položajna točnost	Relativna	GU
PON_2	Kontrola ortofotov na podlagi izmerjenih GNSS točk	Položajna točnost	Absolutna	CI
TEN_2	Vizualna ocena tonske uravnoveženosti ortofotov za celo OAF	Tematska točnost	Pravilnost nekvantitativnih atributov	GU

Ortophoto – quality report (completeness)

2.2 Popolnost (POP_2)													
ID	POP_2												
Opis	Preverba prostorskega obsega, geolokacije in zapisov listov												
Element	Popolnost												
Podelement	Zgrešenost in/ali izpustitev												
Mera vrednotenja	Število manjkajočih in napačnih (ki ne sodijo v OAF) ortofotov, pravilnost poimenovanja datotek, pravilnost zapisanega formata ter pravilnost georeferenciranja.												
Metoda vrednotenja	<p>Pregled na oddanem disku zapisanih ortofotov, pregled datotek za vpis v bazo podatkov (TN-IFOPRO, ver. 5.0, dec 2014 - tehnično navodilo za izvajanje fotogrametričnih projektov).</p> <ul style="list-style-type: none">Ali so izdelani vsi ortofoti znotraj OAF (po pogodbi);Pravilnost formata zapisa vseh ortofotov (nekompresirani TIFF);Pravilnost geolokacije vseh ortofotov (TFW);Pravilnost poimenovanja nomenklature DOF za TIF in TFW datoteko (SSSLLNN.*, pri čemer je SSS trigonometrična sekcija, LL zaporedna št. lista znotraj sekcije in NN nomenklatura glede na vrsto ortofota: 62=RGB50);Pravilnost zapisa datotek za vpis v bazo podatkov.												
Rezultat kontrole	<table><tr><td>Manjkajoči listi DOF:</td><td>Ne</td></tr><tr><td>Napačni listi DOF:</td><td>Ne</td></tr><tr><td>Nepravilen format zapisa listov DOF:</td><td>Ne</td></tr><tr><td>Nepravilno georeferencirani listi DOF:</td><td>Ne</td></tr><tr><td>Napačna nomenklatura listov DOF:</td><td>Ne</td></tr><tr><td>Pravilnost zapisa datotek za v bazo podatkov:</td><td>Da</td></tr></table>	Manjkajoči listi DOF:	Ne	Napačni listi DOF:	Ne	Nepravilen format zapisa listov DOF:	Ne	Nepravilno georeferencirani listi DOF:	Ne	Napačna nomenklatura listov DOF:	Ne	Pravilnost zapisa datotek za v bazo podatkov:	Da
Manjkajoči listi DOF:	Ne												
Napačni listi DOF:	Ne												
Nepravilen format zapisa listov DOF:	Ne												
Nepravilno georeferencirani listi DOF:	Ne												
Napačna nomenklatura listov DOF:	Ne												
Pravilnost zapisa datotek za v bazo podatkov:	Da												
Mnenje kontrolorja	Ustreza												
Meja ustreznosti	Nič (0) manjkajočih ali napačnih elementov, oziroma pozitivno mnenje kontrolorja.												
Sprejem/zavrnitev	Sprejem												

The project

»MODERNISATION OF SPATIAL DATA INFRASTRUCTURE TO REDUCE RISKS AND IMPACTS OF FLOODS«.

Subproject TOPO – Topographic database

- **GOALS:**
 - Change of the existing topographic data model (inline with INSPIRE)
 - Creation of Data Quality model harmonised with INSPIRE
 - Establishment of a physical topographic database model and development of application for managing data
 - Transformation of existing topographic data into the new data model
 - Topographic data acquisition in accordance with new instructions
 - Development of new methods and processes for the maintenance of topographic data
 - Creation of a network service for viewing topographic data



DATA SET	LAYER	INSPIRE THEME
DTK 5	Building	Buildings 
DTK 5	High object	Buildings 
ZK GJI	Powerline	Utility and governmental services 
DTK 5	Road	Transport networks 
DTK 5	Railway	Transport networks 
DTK 5	Cableway	Transport networks 
DTK 5	Vegetation	Land cover, Land use 
DTK 5	Special use area	Land use, Land cover, Hydrography 
DTK 5	Water area	Hydrography 
DTK 5	Watercourse (line)	Hydrography 
DTK 5	Water phenomenon	Hydrography 
REZI	Geographical names	Geographical names 
DMR	Digital elevation model	Elevation 

INSPIRE themes included in TOPO database

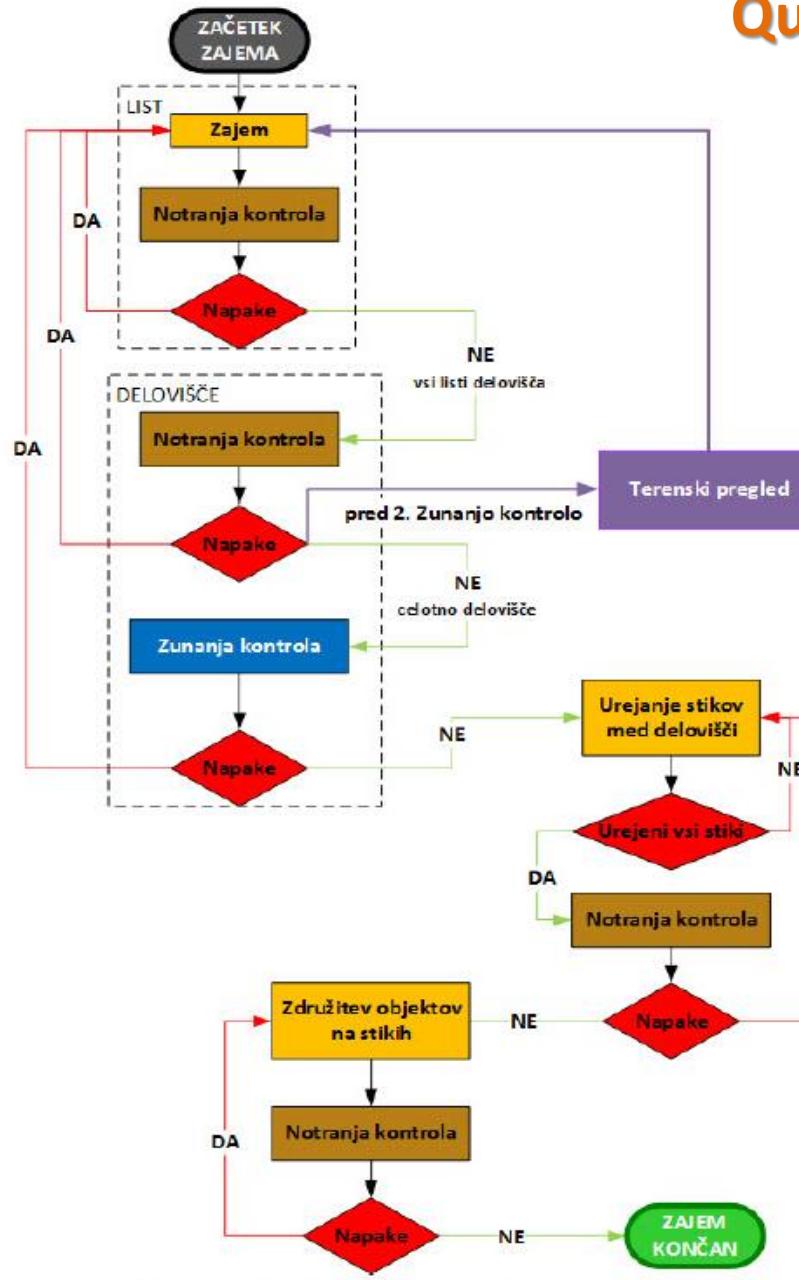
Topographic database

Quality issues:

- **Creation of Data Quality model harmonised with INSPIRE**
- **New feature type catalogue**
- **Prepared rules for data capturing**
- **Topographic data acquisition in accordance with new instructions**
- **Quality control of captured data**
- **Development of new methods and processes for the maintenance of topographic data**
- **Creation of a network service for viewing topographic data**

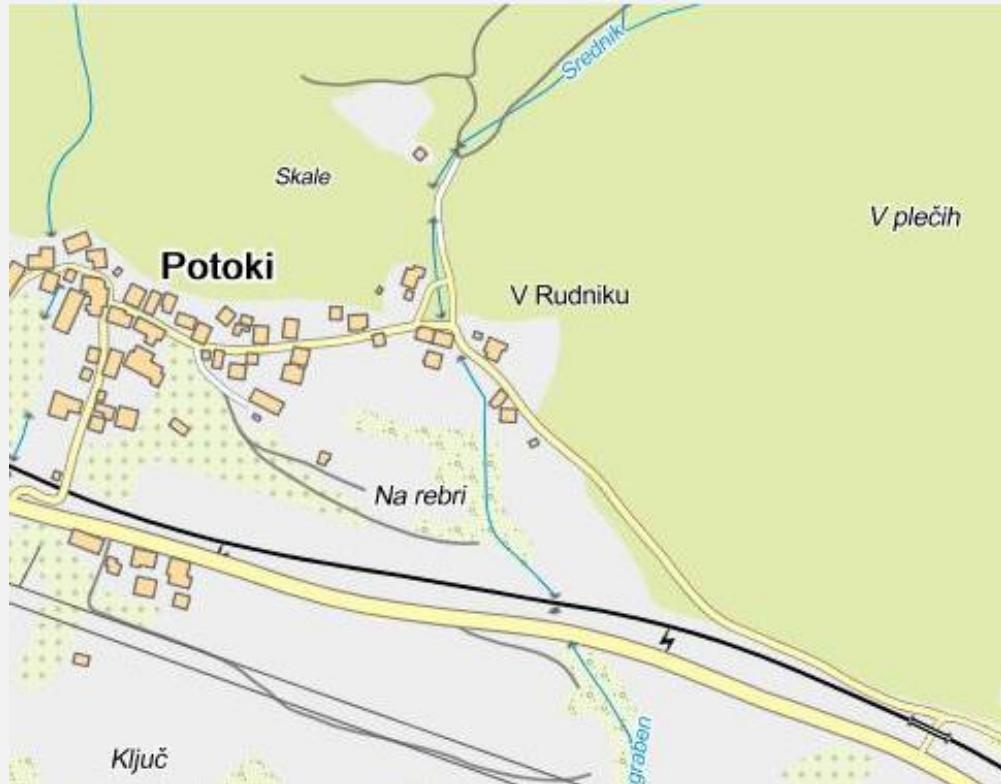


Quality control of captured data



Slika 3: Diagram poteka dela pri zajemu topografskih podatkov.

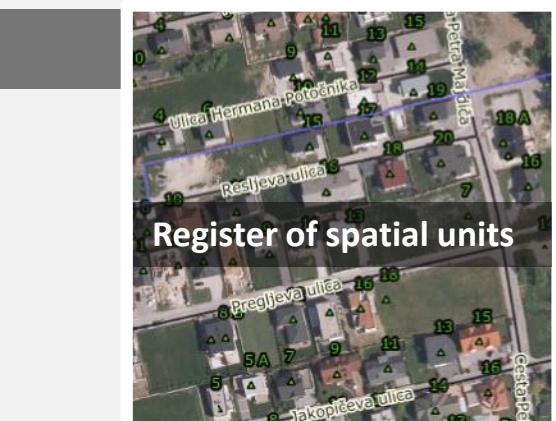
Register Of Geographical Names



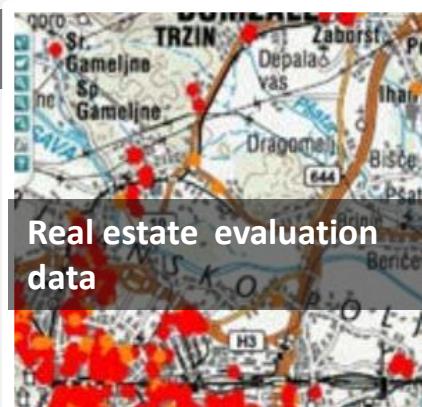
- National commission for Standardisation of Geographical names
- Commission must issue an opinion for each change in RGN and names in other data sets (spatial units)
- Elimination of duplicated names
- Standardises names at scales 1:1mio, 1:250.00
- Toponomastic examination for GN at 1:50.000 level



Register of real estates



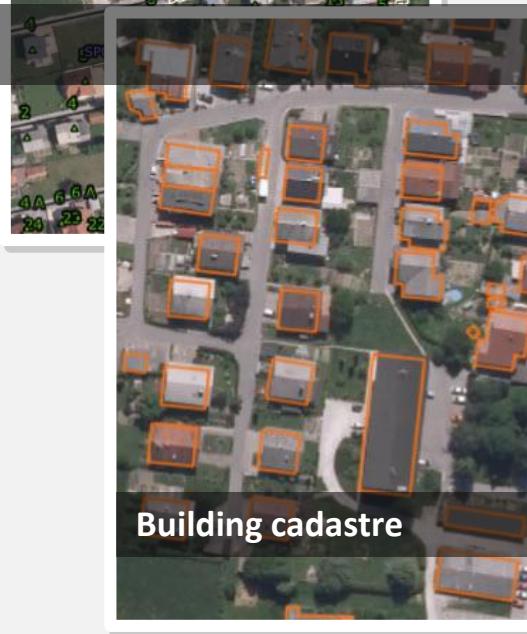
Register of spatial units



Real estate evaluation data



Land cadastre



Building cadastre

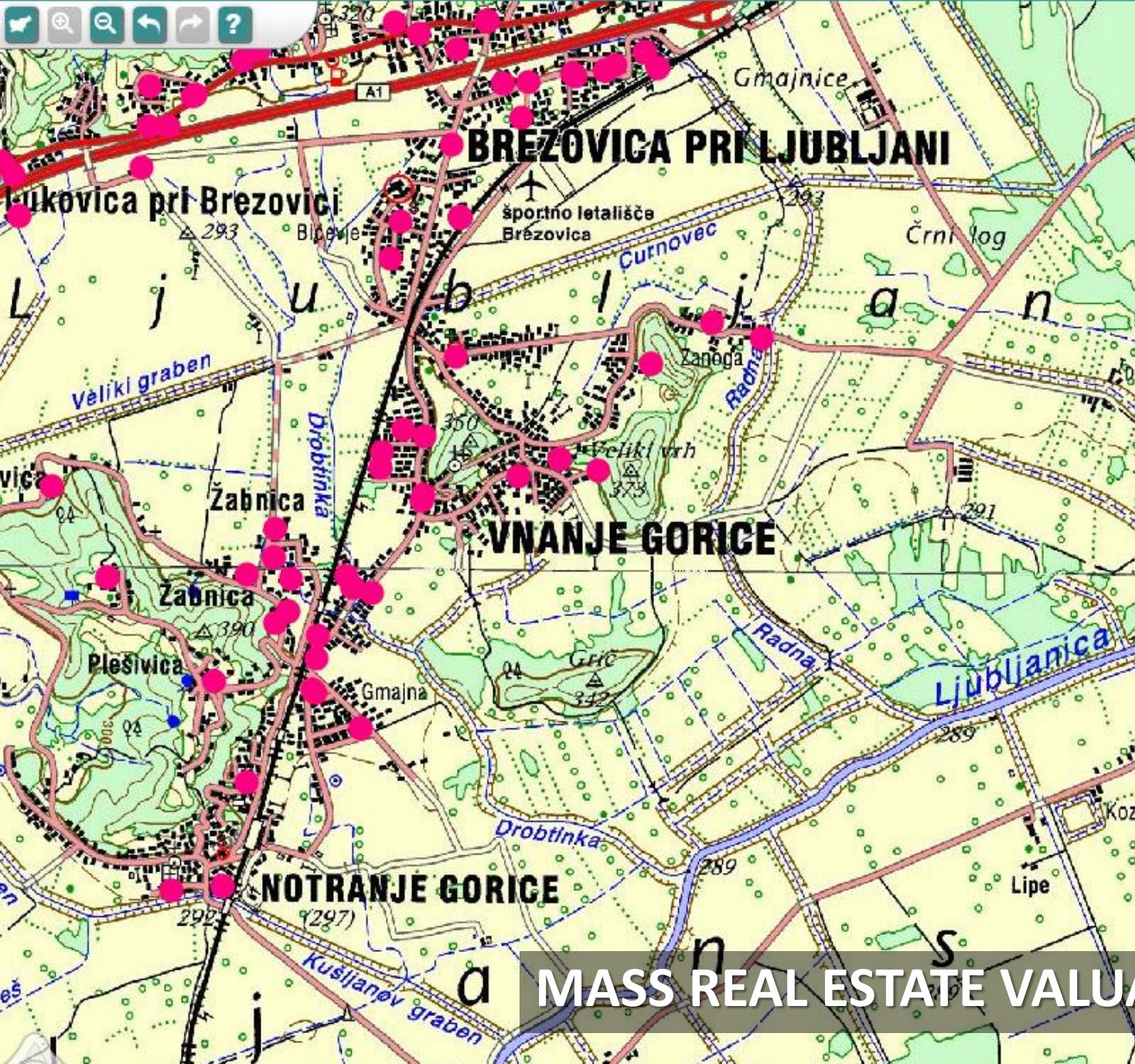


Cadastre of public infrastructure

Real Estate Data Dets

VALUATION OFFICE IS RESPONSIBLE FOR:

- **Sales data registration, their improvement and quality**
- **Monitoring and reporting the Real Property Market**
- **General valuation every 4 years: model designing, model calibration, notification, appeal process, finally calculation of all property in Real Property data Register Consolidation of valuation models with all 211 municipalities**
- **Value Indexation every year**



Kupoprodajni posli

Najemni posli

Filter

Iskanje

Rezultati

Obdobje:

od: Januar 2016

do: April 2017

Vrsta nepremičnine:

▼ Deli stavb

- Stanovanjska hiša
- Stanovanje
- Parkirni prostor
- Garaža
- Pisarniški prostori
- Prostori za poslovanje s str.
- Prostori za zdravstveno dej.
- Trgovski ali storitveni lokal
- Gostinski lokal
- Prostori za šport, kulturo ali sli.
- Industrijski prostori
- Turistični nastanitveni objekti
- Kmetijski objekt
- Tehnični ali pomožni prostori

► Zemljišča

Prostorska enota:

- Regionalni centri
- Analitična območja

OSVEŽI

Legenda:

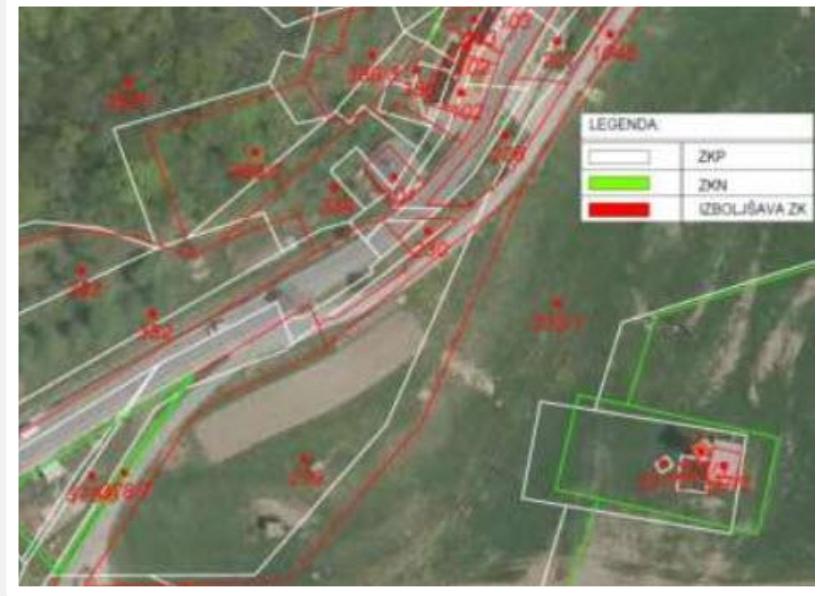
- Posli

MASS REAL ESTATE VALUATION OFFICE

Land cadastre:

primary and the oldest data set

- Couple years ago we implemented a project for upgrading data in land cadastre.
- The analysis of the land cadastre data was carried out before the project start (9,5 mio of cadastre points; 5,5 mio land parcels)
- The need for Improvement of land cadastre point data (coord. in different CS), edit the topography of individual land parcels and the topology between different cadastral municipalities.



Statistics:

5 599 321 parcels /attribute database
5 597 760 parcels /graphic database
13 497 924 LC points
4 091 725 defined LC borders

RECOGNISING INCONSISTENICES

PREPARATION OF DATABASE EXPORTS

DATA PREPARATION FOR EDITING

ELIMINATION INCONSISTENCIES USING SOFTWARE

MANUAL ELIMINTAION OF INCONSISTENCIES BY
CONTRACTOR

**Nearly 300.000
discrepancies
in data**

**MANUAL ELIMINTATION OF INCONSISTENCIES WITH THE HELP OF A SMA EXERT
– REGIONAL SMA OFFICES**

ELIMINATING INCONSISTENCIES ON BORDERS OF
REGIONAL SMA OFFICES

ANALYSIS

DATA PREPARATION FOR DATABASE IMPORT

LIST OF UNRESOLVED INCONSISTENCIES

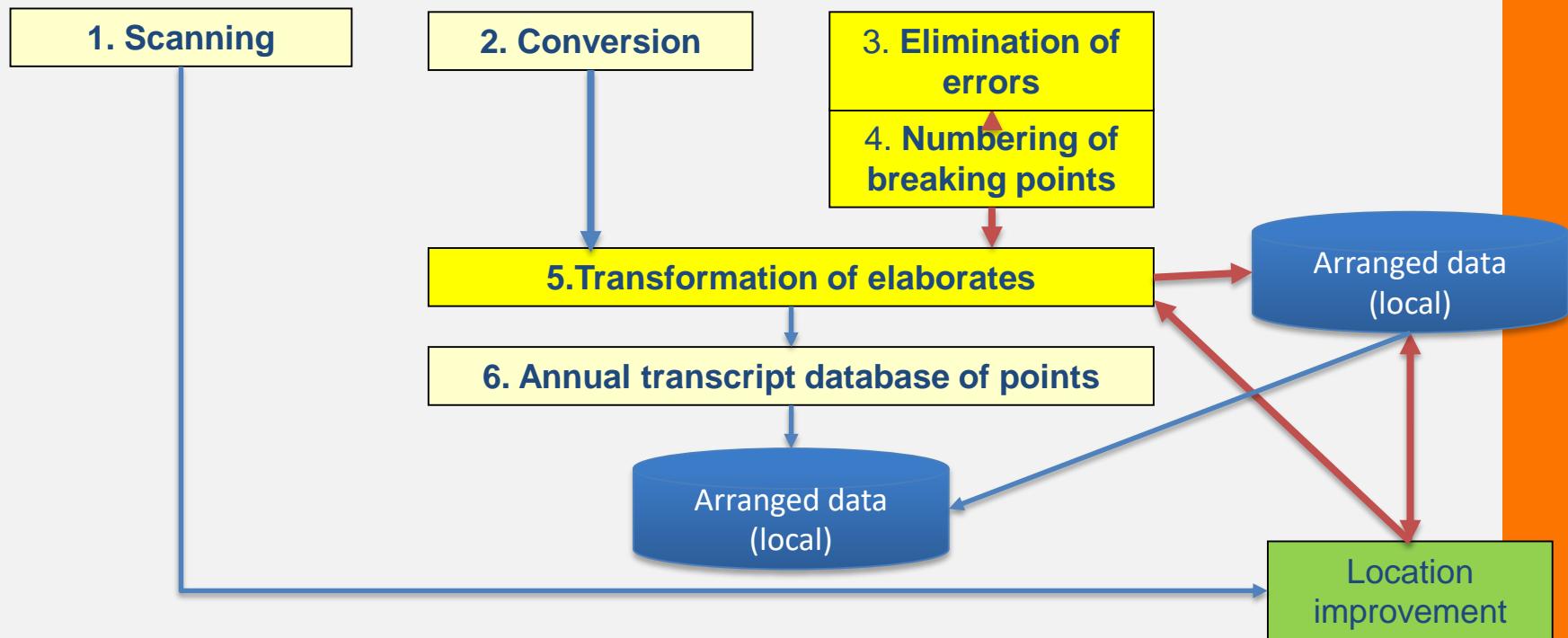
DATABASE IMPORT OF CORRECTED DATA

ELIMINATION FO INCONSISTENCIES AT REGIONAL SMA OFFICES
– SMA EXPERTS

ANALYSIS

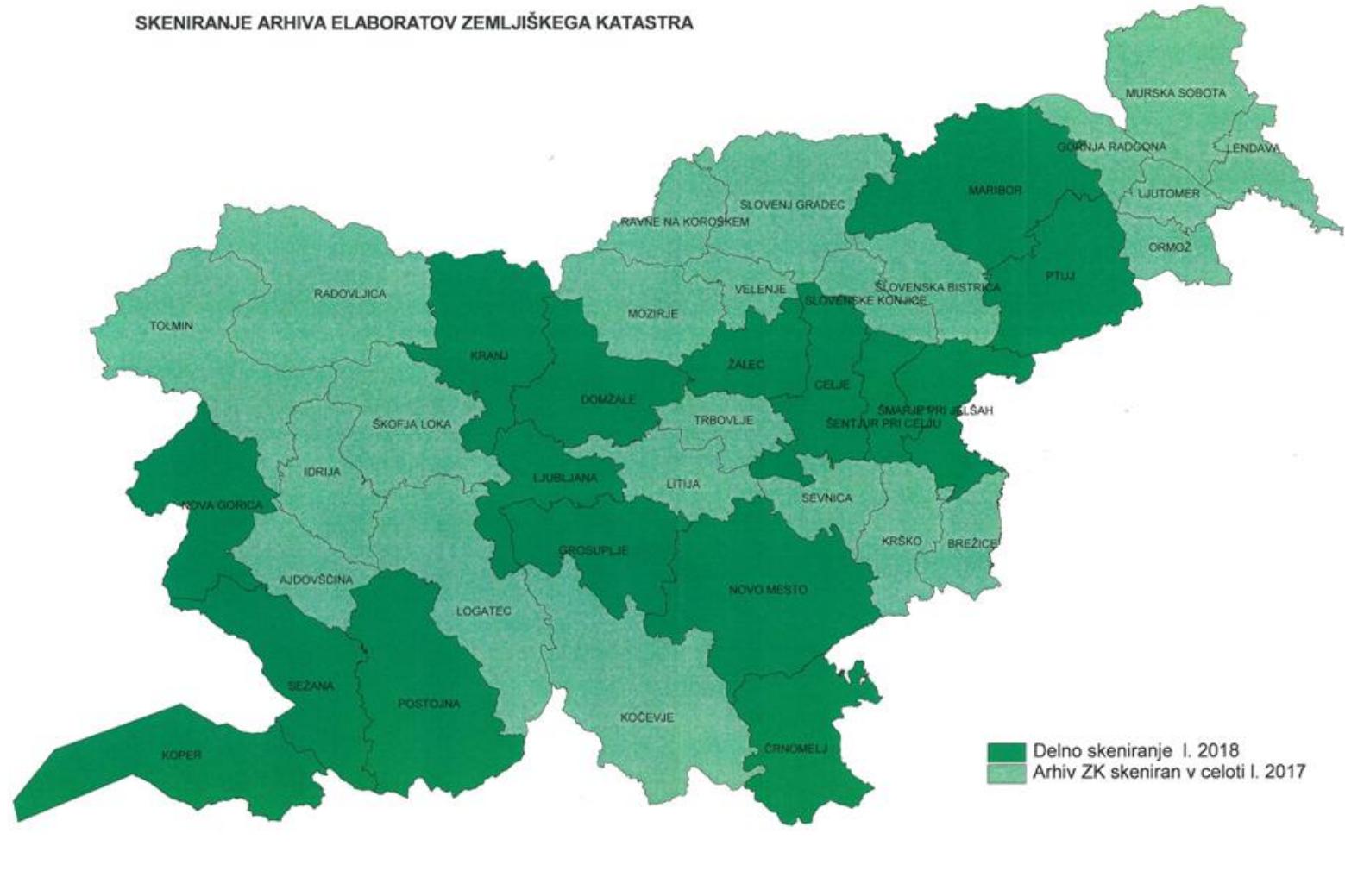
The arrangement (preparation) of data for location improvement land cadastre

1. Scanning of archive data
2. Conversion of old codes for land use into LUB*
3. Elimination of errors in the data
4. Numbering of breaking point in graphic data
5. Transformation of elaborates (studies)
6. Annual transcript database of points and arranged borders



1. Scanning of archive of LC:

SKENIRANJE ARHIVA ELABORATOV ZEMLJIŠKEGA KATASTRA



Measures to improve DQ

- Assurance of quality data in the procedures of real estate recording
- Controls are set down for recording a new property and for updating existing property
- Internal intranet application for data quality testing with included 67 types of possible errors updated on daily basis
- Branch offices have to plan and report on troubleshooting every three month

Data quality control

Pregledovalnik napak - Microsoft Internet Explorer

Datoteka Urejanje Pogled Priljubljene Orodja Pomoc

Nazaj Napred Stop Iskanje Priljubljene Pojdi Links

Naslov http://kontrola.gurs.sigov.si/napake/prikaz_nep.php

Pregled napak

GP: Šifra KO: Parcela: / Statistika

AJDVOŠČINA(1)
BREŽICE(2)
CELJE(3)

Šifra Kode: Stavba: - Išči

Napaka: Seznam (napaka) Šifrant napak

Sifra Kratek opis Tip

- 1 Parcelini del brez centroida ZKKS
- 2 Stavba nima povezana z nobeno parcelo ZKKS
- 3 Relacije brez parcele v veljavnem stanju ZKKS
- 4 Prazne površine ZPS ali površine 0 (razen za minimalni vpis) ZKKS
- 5 Površina ZPS ne sme biti vecja od površine parcele ZKKS
- 6 V ZK je na parcelnem delu st. stavbe, ki v KS ni povezana s to parcelo ZKKS
- 7 V ZK je parcelnem delu st. stavbe, ki ne obstaja v KS ZKKS
- 8 Ce je narejeno zemljišče pod stavbo, mora imeti stavba katastrski vpis ZKKS
- 9 Stavba ima katastrski vpis in nima ZPS ZKKS
- 10 Ena HS je lahko določena le eni stavbi ZKKS
- 11 Razlicnost podatkov KS-REN - st. etaz ZKKS
- 12 Razlicnost podatkov KS-REN - st. pritilne etaze ZKKS
- 13 Razlicnost podatkov KS-REN - uporabna površina ZKKS
- 14 Razlicnost podatkov KS-REN - dejanska raba ZKKS
- 15 Razlicnost podatkov KS-REN - st. etaze ZKKS
- 16 Razlicnost podatkov KS-REN - prostor je v KS, ni v REN ZKKS
- 17 Razlicnost podatkov KS-REN - prostor je v REN, ni v KS ZKKS
- 18 Razlicnost podatkov KS-REN - razlika v površini prostorov ZKKS
- 19 Stavbe, katerih centroid leži izven obroga stavbe, ZKKS
- 20 Stavbe brez obroga v katastru stavb (razen min. vpis), ZKKS
- 21 Neto florisna površina ne sme biti enaka 0, ZKKS
- 22 Dejanska raba delov stavb ni 7 mestna, ZKKS
- 23 Stevilka etazje dela stavbe ne sme biti vecja od stevila etaz, ZKKS
- 24 Pritilna etaza ne sme biti vecja od stevila etaz, ZKKS
- 25 Del stavbe brez vrednosti - brez skupnih delov in brez min. vpisov REN
- 26 Parcela brez vrednosti REN
- 27 Lastnik parcele v ZK je oseba s fiktivnim EMSO ZKKS
- 28 Lastnik dela stavbe v KS je oseba s fiktivnim EMSO ZKKS
- 29 Lastnik parcele v REN je oseba s fiktivnim EMSO REN
- 30 Lastnik dela stavbe v REN je oseba s fiktivnim EMSO REN
- 31 V listi stavbi razlike stanovanjske dejanske rabe ZKKS
- 32 Stevilo etaz je manjše od max. stevilke etaz dela stavbe v tej stavbi REN
- 33 Stevilka pritilne etazje je vecja od stevila etaz in nobena od njiju ni 0 REN
- 34 Leto izgradnje je vecje od trenutnega leta REN
- 35 Leto obnove strehe je manjše od leta izgradnje stavbe REN
- 36 Leto obnove fasade je manjše od leta izgradnje stavbe REN
- 37 Stevilka etazje je vecja od stevila etaz REN
- 38 Ce je lega dela stavbe "nadstropje", mora biti izpolnjena stevilka nadstropja REN
- 40 Leto obnove oken je manjše od leta izgradnje stavbe REN
- 42 Leto obnove instalacij je manjše od leta izgradnje stavbe REN
- 43 Neto florisna površina je manjša od uporabne površine REN
- 44 Neto florisna površina je 0 REN
- 47 Prostor > 11--> mora biti neto pov. vecja od uporabne pov. + pov. prostorov REN
- 49 Prijavljena dejavnost brez stevila sob in površine za opravljanje dejavnosti REN
- 50 V listi stavbi razlike stanovanjske dejanske rabe REN
- 51 Lastnik KS brez naslova ZKKS
- 52 Lastnik ZK brez naslova ZKKS
- 53 Lastnik dela stavbe v REN brez naslova REN
- 54 Lastnik parcele v REN brez naslova REN
- 55 Neznan lastnik dela stavbe v RFN REN

Dokončano Local intranet

start predlog Ure... Microsoft... Windows... Firefox Internet E... Microsoft Pow... 9:20

59 controls
67 error types

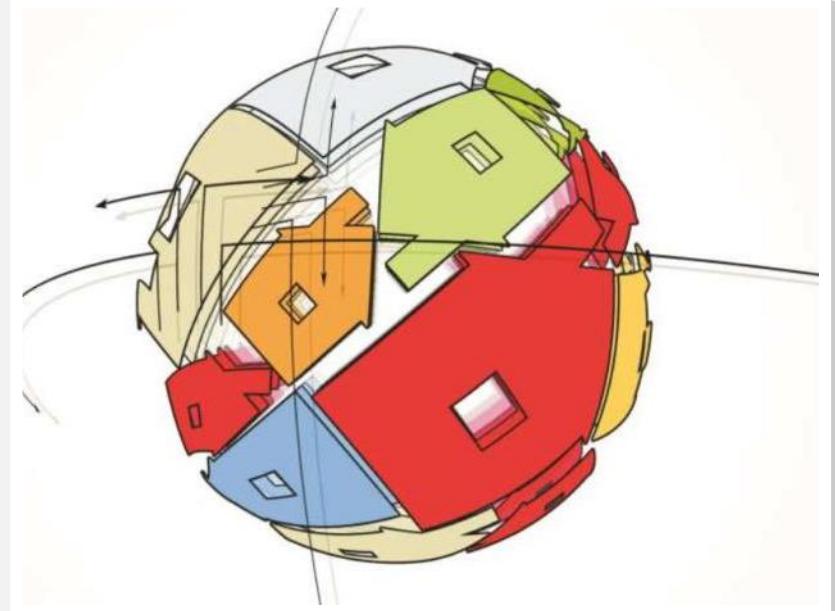
Buildnig cadastre + REN

1177926 buildings

1851154 building parts)

Building Cadaster is a basic data set on buildings and is linked to the land cadaster and land registry

Record in BC is the basis for land registration



- Simplification of data management and quality upgrades of data (buildings and parts)
- Optical sensing of lidar recordings with an automated process of new or changed buildings .
- Reporting of the owners to geodetic Inspection



Register of Spatial Units

Provides data on addresses and other spatial definitions.

Provides data for the central national registers like the Central Population Register, the Slovene Business Register, the Register of Taxpayers and many other official data and data sets

523 363 house numbers

10 060 streets

6029 settlements

210 municipalities

58 administrative units

2.695 cadastral communes

17.352 spatial areas

3.378 voting units (parliament elections)

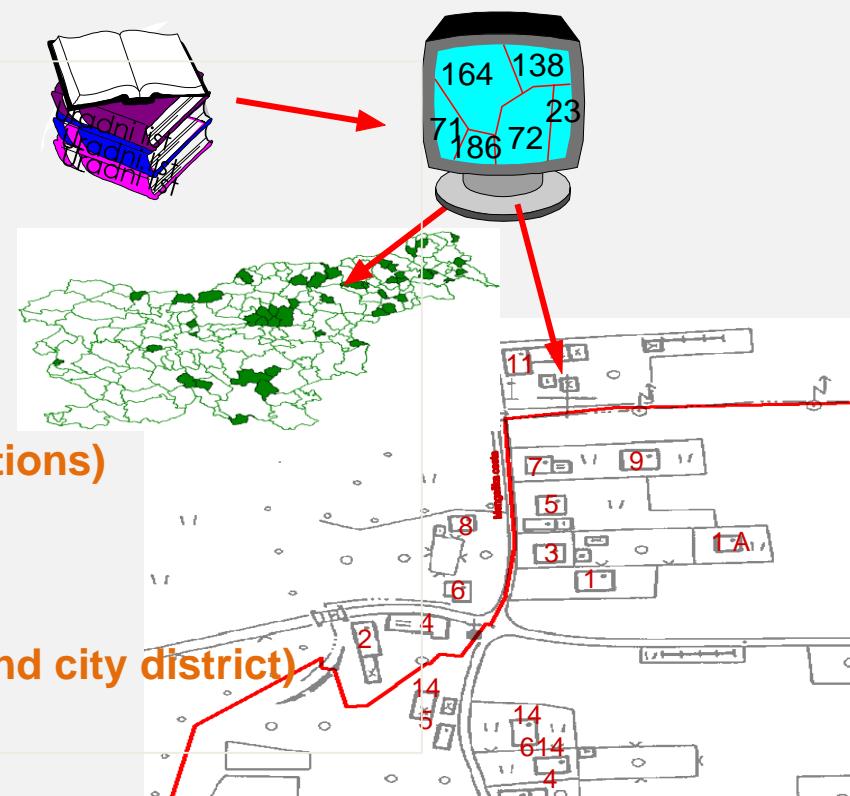
3.461 voting units (local elections)

465 postal districts

808 school localities

1.270 communities (local, village and city district)

12 statistical regions



Administrative procedures for DQ assurance

- Simplifying procedures for recording real estate in cadastres
- Obligation of arranging real estate data in cadastres before getting the house number
- Procedures for registration of permanent residence and place of business
- Owners in real estate databases from CRP and CBR
- Connecting data from cadastres with data in Land registry

Ceste-linije

eznice

Železnice-linije

Železnice-točke

ališča

Letališča-ploskve

Letališča-točke

stanišča

Pristanišča-ploskve

Pristanišča-točke

Ktrčna energija

El. energija-linije

El. energija-ploskve

El. energija-točke

nefinski plin

Žem. plin-linije

Žem. plin-ploskve

Žem. plin-točke

Plotna energija

Top. energija-linije

Top. energija-ploskve

Top. energija-točke

čni derivati

Jafta-linije

Jafta-ploskve

Jafta-točke

šovod

/odovod-linije

/odovod-ploskve

/odovod-točke

analizacija

Kanalizacija-linije

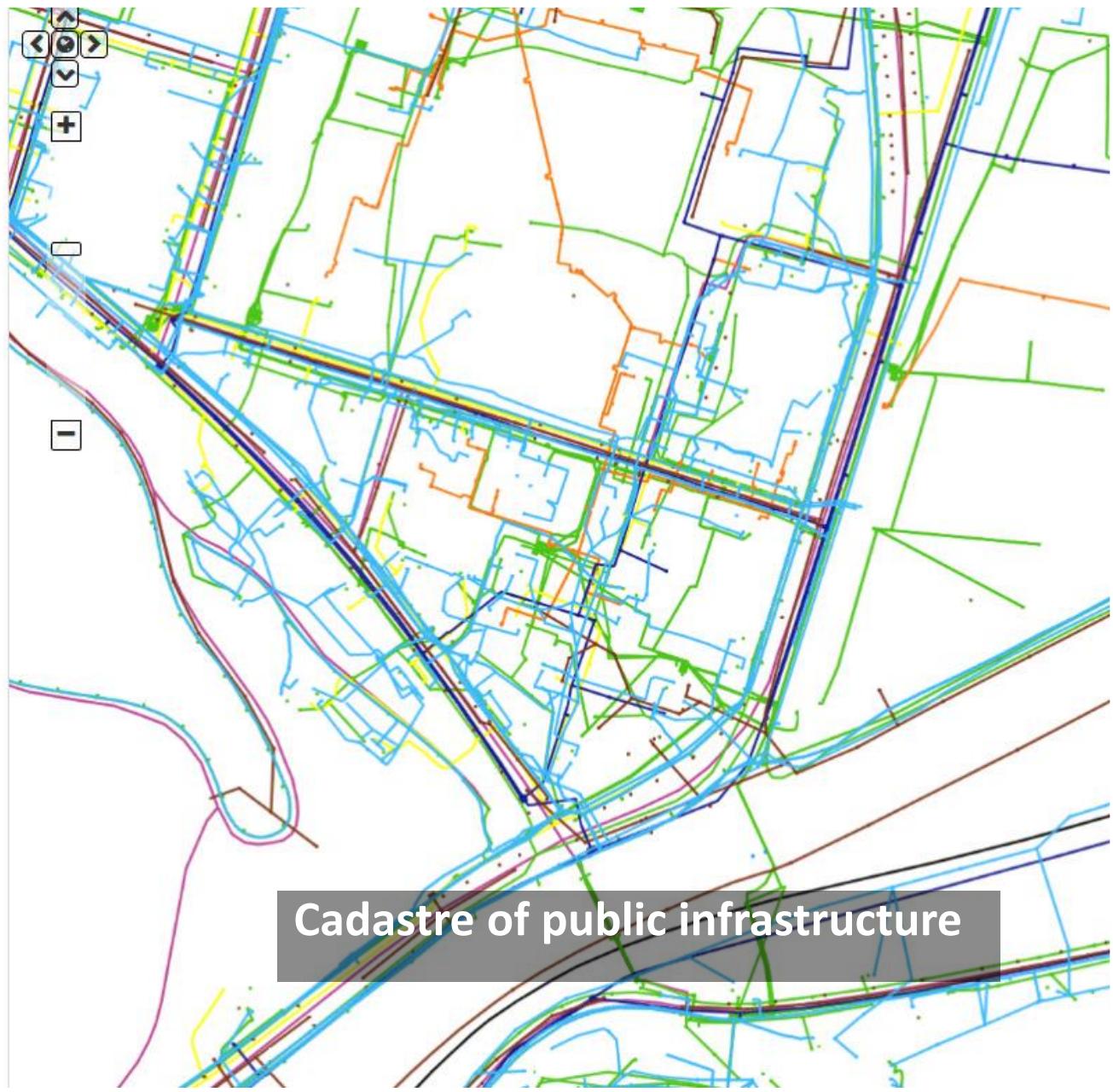
Kanalizacija-ploskve

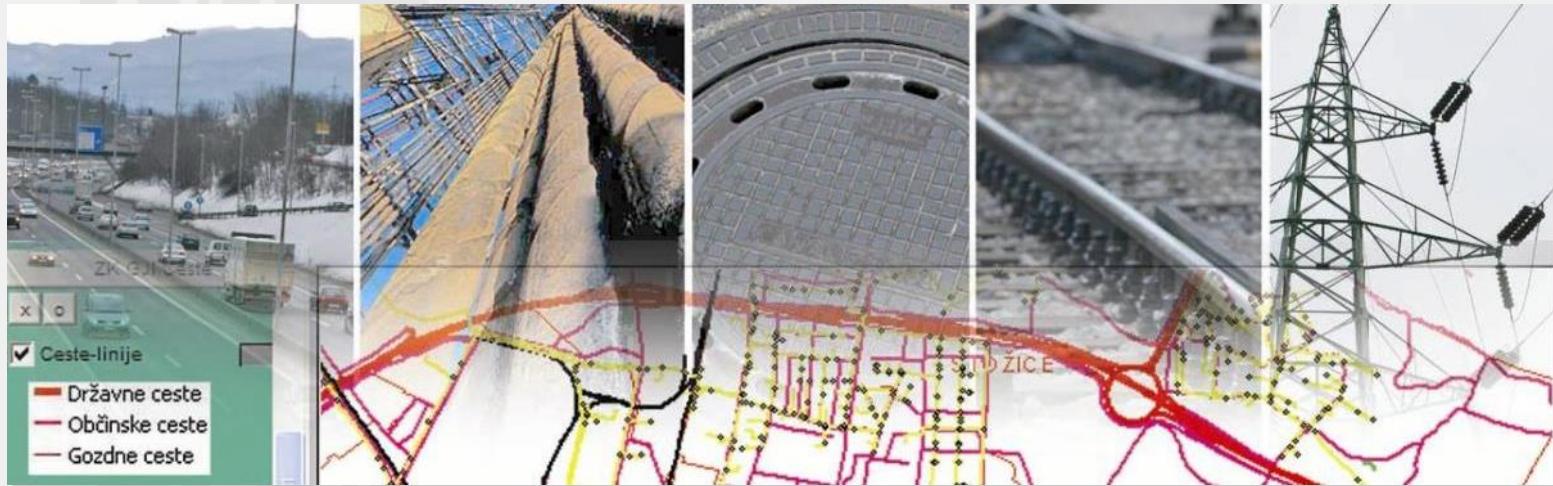
Kanalizacija-točke

padki

Odpadki-ploskve

Adm. točke





- 1. TRAFIC INFRASTRUCTURE**
(roads, railways, airports, harbours)
- 2. ENERGY INFRASTRUCTURE**
(power lines, gas supply, heat supply, pipelines)
- 3. MUNICIPAL INFRASTRUCTURE**
(water supply, sewage system)
- 4. WATER INFRASTRUCTURE**
- 5. TELECOMMUNICATION NETWORKS**

**From the year 2006, systematic gathering od data
(state, municipalities,**

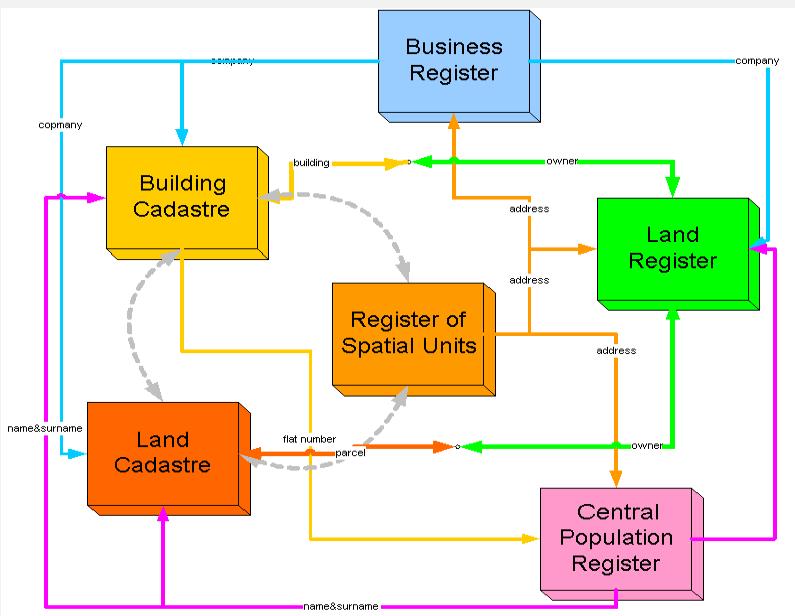
Statstics - CPI

Type	Number of objects	Length [km]
Roads	138.122	50.660
Railways	7.545	2.495
Airports	130	-
Ports	1.095	-
cableways	323	21
Electricity	1.831.337	47.479
Natural gas	492.315	5.895
Thermal energy	74.140	1.061
Petroleum products	218	-
Water distribution system	1.120.664	26.818
Sewage system	872.610	10.633
Waste management	4.498	-
Water infrastructure	10.491	63
Electronic communications	2.886.282	66.837
TOGETHER	7.440.041	211.968



1. Permanent positional controls of data (field measurements)
2. Topological controls (consistency, distance between objects)
3. Software with formal, logical and other controls
4. Code lists harmonised with other data providers
5. Controls and links with other databases
6. Analyse of positional accuracy of objects in CPI (few municipalities, field measurements... → update of software, capturing rules, and classes of attributes)

Linking different data sets



- Core data sets – links through web services established
- Importing data from different data sources
- Same object types in different data sets

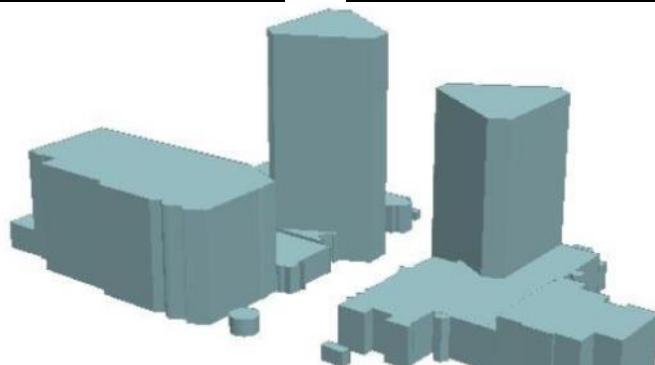
Harmonization of data in different datasets



Building cadastre



Topographic database



3D representation of the object

- Same objects in different data sets
- Capture rules
- Changes in feature catalogues
- New procedures for updating
- Capturing and storing only once

Services

National services
INSPIRE services
ELF services



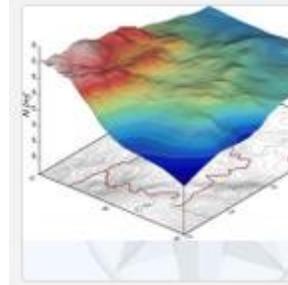
INSPIRE

SMA – national
contact point

Metadata

Extended INSPIRE
profile
(harvesting,
national open data
portal)

Digitalni model geoida (SLOAMG2000)



Podatkovni
SLOvenski
iz leta
astro?grav
kombinira
metodi
uporab
MOP-Geo

Applications

Viewers, data
download,
changing data,
calculating...



E-GEODETSKI PODATKI

1. Temeljni topografski načrt
2. Državni topografski model
3. Državna topografska karta
4. Državna pregledna karta

Open data

Free download of
open data

Slovenski geoportal



Geoportal

One entry point
for spatial data,
metadata,
services, glossary

Monitoring

KDSS pregled Replikacije

Type

View

Nar

PUE

KDS

PUE

EM

Pro

PUE

PUE

Osveži vsakih 10 Zadnja osvežitev ob 16:59:14

Generalno stanje zadnjega uro

ID_TEST	STATUS	CAS_TESTA	START_TESTA
438728	OK	11.883 s	20.09.2015T16:56
438727	OK	5.88 s	20.09.2015T16:51
438726	OK	8.615 s	20.09.2015T16:46
438725	OK	5.846 s	20.09.2015T16:41
438724	OK	16.512 s	20.09.2015T16:36
438723	OK	10.557 s	20.09.2015T16:31
438722	OK	5.888 s	20.09.2015T16:26
438721	OK	8.68 s	20.09.2015T16:21
438720	OK	11.251 s	20.09.2015T16:16
438719	OK	12.141 s	20.09.2015T16:11
438718	OK	9.47 s	20.09.2015T16:06
438717	OK	6.226 s	20.09.2015T16:01

1 - 12

Drevesni prikaz stanja

Collapse All Expand All

- E-prostor spletni servisi test 438728 start 20.09.2015T16:56.13
 - GOV domena pov.cas sec 0,14
 - http://prostor2.gov.si/ows-m/wms | 0.207 s
 - http://cvig1.cs.sigov.si/ows-m/wms | 0.211 s
 - http://cvig2.cs.sigov.si/ows-m/wms | 5.406 s
 - https://prostor2.gov.si/b-ows/ows/wfs | 0.249 s
 - https://cvig1.cs.sigov.si/b-ows/ows/wfs | 0.213 s
 - https://cvig2.cs.sigov.si/b-ows/ows/wfs | 0.362 s
 - https://prostor2.gov.si/b-ows-s/getSessionId | 0.222 s
 - https://cvig1.cs.sigov.si/b-ows-s/getSessionId | 0.208 s
 - https://cvig2.cs.sigov.si/b-ows-s/getSessionId | 0.212 s
 - https://prostor2.gov.si/b-ows-s/getSessionId | 0.23 s
 - https://cvig1.cs.sigov.si/b-ows-s/getSessionId | 0.208 s
 - https://cvig2.cs.sigov.si/b-ows-s/getSessionId | 0.212 s
 - https://prostor2.gov.si/ows/ows/wfs | 0.201 s
 - https://cvig1.cs.sigov.si/ows/ows/wfs | 0.269 s
 - https://cvig2.cs.sigov.si/ows/ows/wfs | 0.276 s
 - https://prostor2.gov.si/ows-s/getSessionId | 0.197 s
 - https://cvig1.cs.sigov.si/ows-s/getSessionId | 0.191 s
 - https://cvig2.cs.sigov.si/ows-s/getSessionId | 0.222 s
 - https://prostor2.gov.si/ows-s/getSessionId | 0.182 s
 - https://cvig1.cs.sigov.si/ows-s/getSessionId | 0.191 s
 - https://cvig2.cs.sigov.si/ows-s/getSessionId | 0.222 s
 - SIGOV domena pov.cas sec 0,44
 - http://prostor2.sigov.si/ows-m/wms | 0.101 s
 - http://gs1.prostor.sigov.si/ows-m/wms | 0.54 s
 - http://gs2.prostor.sigov.si/ows-m/wms | 0.36 s
 - https://prostor2.sigov.si/b-ows/ows/wfs | 0.116 s
 - https://gs1.prostor.sigov.si/b-ows/ows/wfs | 0.104 s
 - https://gs2.prostor.sigov.si/b-ows/ows/wfs | 0.129 s
 - https://prostor2.sigov.si/b-ows-s/getSessionId | 0.184 s
 - https://gs1.prostor.sigov.si/b-ows-s/getSessionId | 0.151 s
 - https://gs2.prostor.sigov.si/b-ows-s/getSessionId | 0.133 s
 - https://prostor2.sigov.si/ows/ows/wfs | 0.114 s
 - https://gs1.prostor.sigov.si/ows/ows/wfs | 0.104 s
 - https://gs2.prostor.sigov.si/ows/ows/wfs | 0.098 s
 - https://prostor2.sigov.si/ows-s/getSessionId | 0.167 s
 - https://gs1.prostor.sigov.si/ows-s/getSessionId | 0.128 s
 - https://gs2.prostor.sigov.si/ows-s/getSessionId | 0.143 s

PUB_WFS_service ⓘ Generic Service

Generic Service: PUB_WFS_service > Status History: PUB_WFS_service

Status History: PUB_WFS_service

availability

Page Refreshed 20-Sep-2015 17:22:06 CEST View Data Last 31 days

General

Current Status Up Since 18-Sep-2015 08:33:17 Availability Based on Service Test

Down Time (minutes) 19.2 Blackout Time (minutes) 0.0 Agent Down Time (minutes) 0.0 System Error Time (minutes) 0.0

Up Time(100%) Down Time(0%) Blackout Time(0%) Agent Down Time(0%) System Error Time(0%) Status Pending Time(0%)

availability

Details

Show only key tests

Name	Type	Status	History
17_PUB_WFS_service	Generic Service	Up	20.8.2015 17:22:06 CEST
GetCapabilities_WFS	EM Management Beacon	Up	20.9.2015 17:22:06 CEST

History

View Outages

Start Time	End Time	Severity	Duration(Min)	Outage Type
18-Sep-2015 08:23:43	18-Sep-2015 08:33:17	9.6	Down	
27-Aug-2015 15:23:42	27-Aug-2015 15:33:17	9.6	Down	

PUB_WFS_service ⓘ Generic Service

Generic Service: PUB_WFS_service > Web Transaction: GetCapabilities_WFS

Web Transaction: GetCapabilities_WFS

performance

Page Refreshed 20-Sep-2015 17:20:29 CEST View Data Last 31 days

Home Performance

Historical Metric Data

Select the filters by which to display the graph.

Beacons EM Management Beacon Metrics Perceived Total Time (ms) Components GetCapabilities_WFS (Transaction)

Perceived Total Time (ms)

21.22 24 26 28 30 1 3 5 7 9 11 13 15 17 19 August 2015 September 2015

The end

