

Country: Slovenia



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NSDI and INSPIRE

Relation and on-going activities -1



- The **main changes/trends** in developing the NSDI

Institutional framework :

Three main bodies at the national level:

- Surveying and Mapping Authority of the Republic of Slovenia (SMA)
- Environmental Agency of the Republic of Slovenia (EARS)
- Ministry of Environment and Spatial Planning (MESP)

Within the MESP there is a co-ordination group that consists of representatives of all three bodies

- Statistical office of the Republic of Slovenia (<http://www.surs.si>)
- Ministry for public authority (<http://www.e-gov.si>)

Legislation

- ◆ Recording of Real Estate, State Border and Spatial Units Act
 - ◆ Decree on the Tarrifs Charged for the Issue of Geodetic Data
 - ◆ Rules on the Terms and Conditions and Method of Computer Access to the Land Cadastre, Building Cadastre and Register of Spatial Units
- ◆ Personal data protection act
- Strategie of e-bussines in public administration in Slovenia 2001 – 2004 (2001)
- Act of electronic commerce and electronic signature (2000)
- Act of administrative taxes (ZUT) (2000)
- Act of spatial planning (ZUREP 2003)



NSDI and INSPIRE

Relation and on-going activities -2

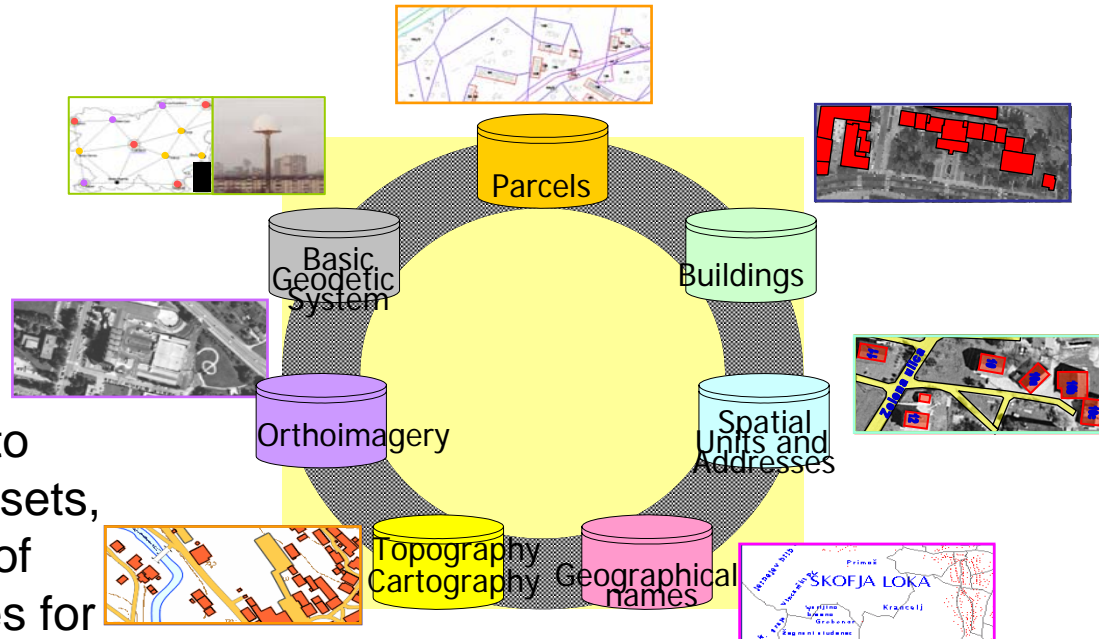
- The **main changes/trends** in developing the NSDI

Geodata and spatial information :

SMA is responsible for reference data:

Allmost all the data from Annexes I and II

High quality up to date digital data sets, kept in the form of central databases for the whole country



NSDI and INSPIRE

Relation and on-going activities -3



- **The main changes/trends** in developing the NSDI

- Geodata and spatial information :**

- EARS is responsible to provide high-quality environmental data, analyses and expert foundations for decision-making:

- Noise, [Industrial polluters](#), Waste, Environmental impact assesment, Emissions, Soil, Water, Air, Nature protected area, Environment monitoring data, Meteorological data

- MESP is responsible for data about spatial planning

- Land use data
 - Other data from spatial planinng documents

NSDI and INSPIRE

Relation and on-going activities -4



- The main changes/trends in developing the NSDI

Metadata :

Ministry of the Environment and Spatial Planning
 Surveying and Mapping Authority of the Republic of Slovenia

Welcome page | About site

CESM | Browsing by spatial extent | Browsing by administrators | Browsing by classification | Browsing by organizations | Browsing by time


Brief overview | Basic overview | Detailed overview

Search

Central evidence of spatial metadata

Metadata title

- Basic topographic maps at 1 : 10 000 scale
- Basic topographic maps at 1 : 5 000 scale
- CORINE land cover Slovenia 1995.
- CORINE land cover Slovenia 2000.
- DATA ON BUILDINGS
- DIGITAL NATIONAL GENERAL MAP 1:1 000 000
- DIGITAL NATIONAL GENERAL MAP 1:500 000
- DIGITAL ORTHOPHOTO**
- Digital orthophotograph
- Digital orthophotograph
- GEODETIC POINTS
- INTERFEROMETRIC RADAR DIGITAL
- ELEVATION MODEL - InSAR 25 in InSAR 100
- LAND CADASTER -points (LAND CADASTRE POINTS)
- Large-scale map of Slovenia at 1:250 000 scale
- Large-scale map of Slovenia at 1:750 000 scale
- NATIONAL TOPOGRAPHIC MAP AT 1 : 50 000 SCALE
- NATIONAL TOPOGRAPHIC MAP AT 1:5 000 SCALE

title	DIGITAL ORTHOPHOTO
abstract	Digital orthophoto is a scanned aerial photo transformed into the national coordinate system taking into account the central projection of the image and digital terrain model. In metric sense, orthophoto is identical with a line map. Digital orthophoto maps at a pixel resolution of 0.5 m and plots generated at 1 : 5 000 scale (Digital orthophoto 5) and digital orthophoto maps at a pixel resolution of 2 m and plots generated at 1 : 25 000 scale (Digital orthophoto 25) have been produced on the basis of aerial photographs at scales from 1 : 17 400 to 1 : 25 000. Rectification of digital orthophoto maps at a pixel resolution of 0.5 m and plots generated at 1 : 5 000 scale was implemented on the basis of a digital terrain model with the resolution of 25 m and 40 m and rectification of digital orthophoto maps at a pixel resolution of 2 m and plots generated at 1 : 25 000 scale was implemented on the basis of a digital terrain model with 100-meter resolution.
purpose of production	Digital orthophoto maps serve as basic information layer, positioned in space.
usage	1. as a basic layer for the demonstration of spatial information 2. as a
sample	
min x	30000
min y	375000
max x	194000
max y	624000

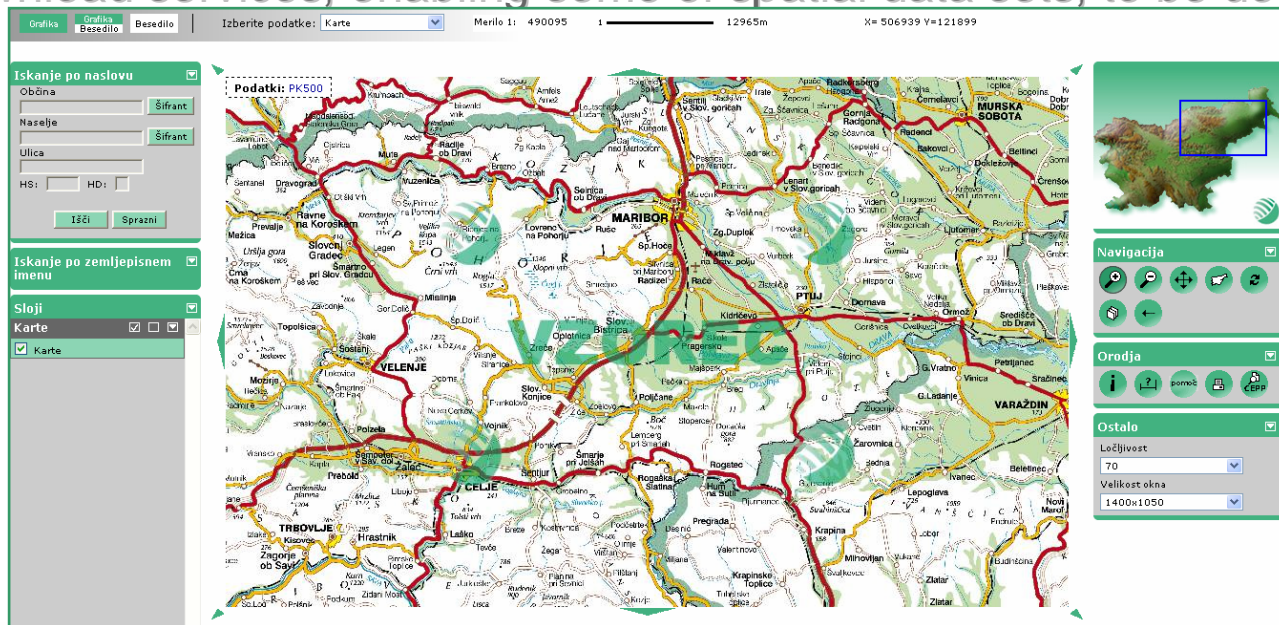
- Standard CEN/TC 287
- EEA CDS is partially integrated
- Three views (DC, mandatory ISO, CEN/TC)

NSDI and INSPIRE

Relation and on-going activities -5



- The main changes/trends in developing the NSDI **Web-services** (network services):
 - discovery services - search the data and display the content of metadata
 - view services – for reference and thematic data;
 - download services, enabling some of spatial data sets, to be downloaded.



NSDI and INSPIRE

Relation and on-going activities -6



- Interconnections between INSPIRE, NSDI, e-Government

Access to core reference data is connected with e-Government:

- Distribution environment is part of state information infrastructure (uses telecommunications, networks, licences, within e-gov developed services like micro-paying...)
 - Data sharing between governmental bodies (register of citizen, register of spatial units, register of tax payers, land registry, business register...)
- National geo-portal will be part of e-gov portal
- Central data infrastructure is part of central information-telecommunication infrastructure of e-government (Strategy of E-government from 2006 to 2010)

Recent involvement in the INSPIRE development and planning



- Internationally
 - Projects – participation in projects like
 - **EuroRegionalMap**,
 - **EuroGlobalMap**,
 - **SABE**,
 - **EuroGeoNames** and
 - **EuroBoundaries**.
 - One representative of SMA and one of EARS are members of INSPIRE expert group
 - Participation in Spatial Data Interest Communities and Legal Mandate Organizations

Recent involvement in the INSPIRE development and planning



- Preparatory activities in the country
 - *Other activities related to INSPIRE*
 - *Internet - web-mapping (www.gov.si/gu)*, nature protection atlas (www.gov.si/mop/arso)
 - *Metadata system (www.prostor.si)*
 - *Distribution data system of geodetic data*
 - *Data of permanent GPS stations*
 - *Data ordering service*
- *Other public services (www.geabios.com)*
 - At the moment there are no projects, impact analysis or other activities concerning its implementation planning.
 - Reasons are in status of directive, all subjects wait for adoption.

Recent involvement in the INSPIRE development and planning



- INSPIRE home page in Slovenian language

Ministrstvo za okolje in prostor - Microsoft Internet Explorer

Address: <http://www.gov.si/mop/>

REPUBLIKA SLOVENIJA
MINISTRSTVO ZA OKOLJE IN PROSTOR
Dunajska c. 48, p.p. 652, 1000 Ljubljana, e-pošta: op.mop@gov.si

torek, 12. september 2006

INSPIRE
Infrastruktura za prostorske informacije v Evropi

SLOVENIJA
UPRAVA

SPLOŠNE INFORMACIJE O PODBUDI INSPIRE

PODATKI

METAPODATKI

STORITVE

INSPIRE GEO PORTAL KOT NA DLANI

POVEZAVE / LINKI

Infrastruktura za prostorske informacije v Evropi
(INSPIRE - Infrastructure for SPAtial InfoRmation in Europe) <http://www.ec-gis.org/inspire/>

INSPIRE je iniciativa, katere pobudnik je Evropska komisija, razvija pa se v sodelovanju z državami članicami Evropske unije. Trije evropski komisarji, za okolje (DG ENV), statistiko (DG EUROSTAT) in raziskave/razvoj (JRC) so podpisali dogovor o sodelovanju pri razvoju pobude INSPIRE

Kaj je infrastruktura za prostorske podatke?

Namen pobude INSPIRE je sprožiti vzpostavitev evropske infrastrukture prostorskih podatkov, ki bo uporabnikom zagotavljala celovite informacijske storitve o urejanju prostora. Te storitve morajo uporabnikom omogočiti, da bodo prepoznali in imeli dostop do prostorskih ali geografskih informacij iz obširnih virov od lokalne do globalne ravni, in to na tak način, da bo omogočena njihova večnamenska uporaba. Med ciljnim uporabniki pobude INSPIRE so oblikovalci politike, načrtovalci in poslovodni delavci na evropski, državni in lokalni ravni ter državljani in njihove organizacije. Med možnimi storitvami so vizualna predstavitev informacijskih nivojev, nanos informacij iz različnih virov, prostorska in časovna analiza itd.

Infrastruktura prostorskih podatkov se odziva na tehnična in netehnična vprašanja, ki se gibljejo od tehničnih standardov in protokolov do organizacijskih vprašanj in vprašanj podatkovne politike, vključno s politiko dostopa do podatkov in ustvarjanjem ter vzdrževanjem geografskih informacij za široko paleto tematskih področij, začenši z okoljskim sektorjem.

Viri

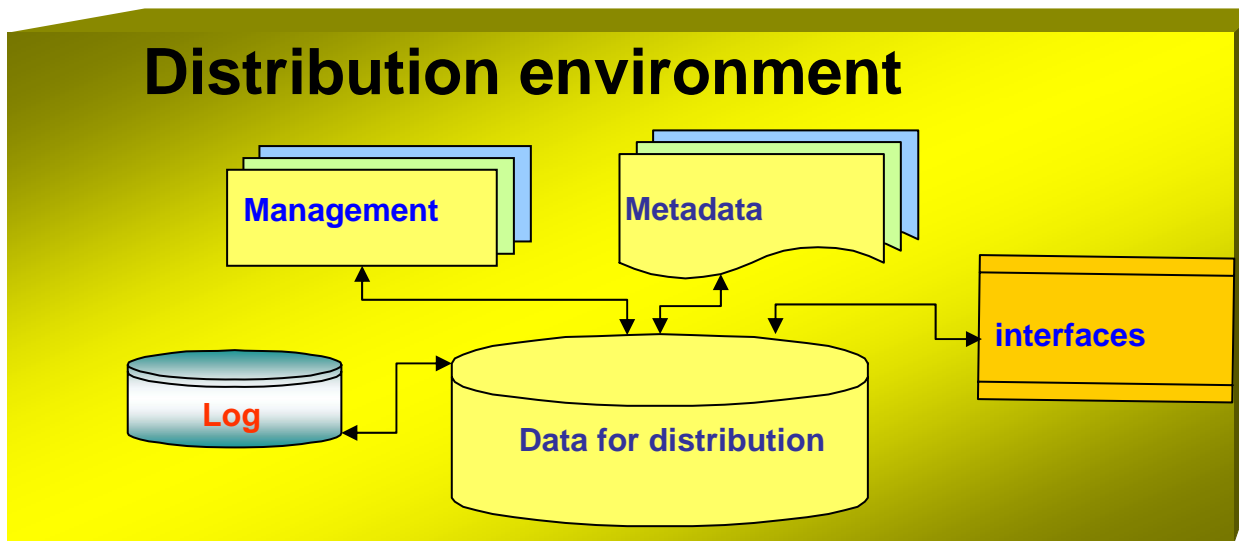
Lokalni
državni SDI

INSPIRE specifikacije

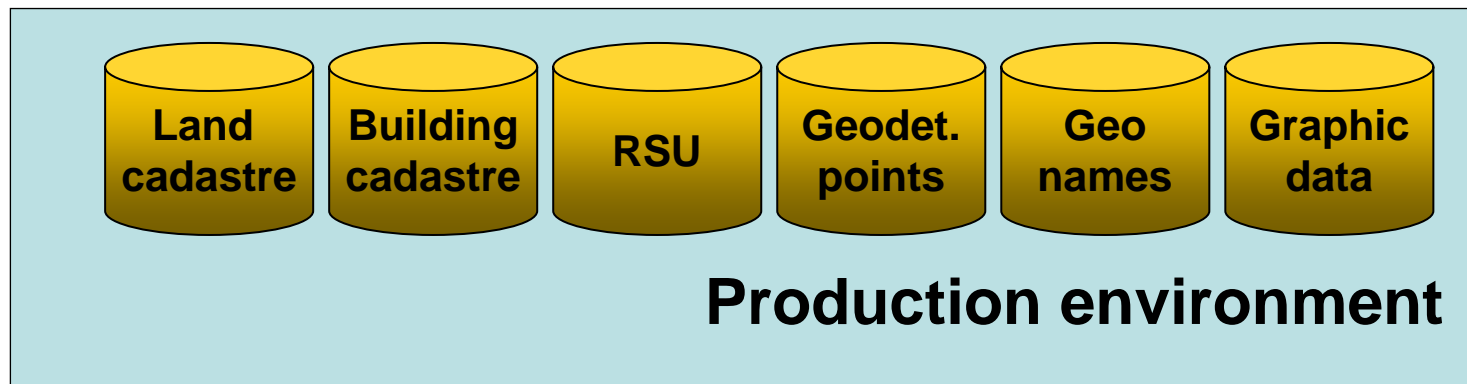
Zahteve za storitvami
storitev za iskanje podatkov
tehnična integracija
harmonizacija

Uporabnik

organizirane uprave
Komunalne javne službe
komercialni uporabniki



Transformation of data





- Enables everybody to view the real estate data
- The user doesn't need the digital web certificate
- Service is payable by e-moneta



Public view

REPUBLIKA SLOVENIJA MINISTRSTVO ZA OKOLJE, PROSTOR IN ENERGIJO GEODETSKA UPRAVA REPUBLIKE SLOVENIJE

Prijava/Odjava Poraba Pomoč

Uporabnik: Javni Zemljiški kataster Kataster stavb Register pr

Iskanje po parceli Torek, 05 Okt

Preostali čas pregledovanja:

Katastrska občina
1018 MARIJA REKA

Parcelna številka
12




POIZVEDUJ BRIŠI

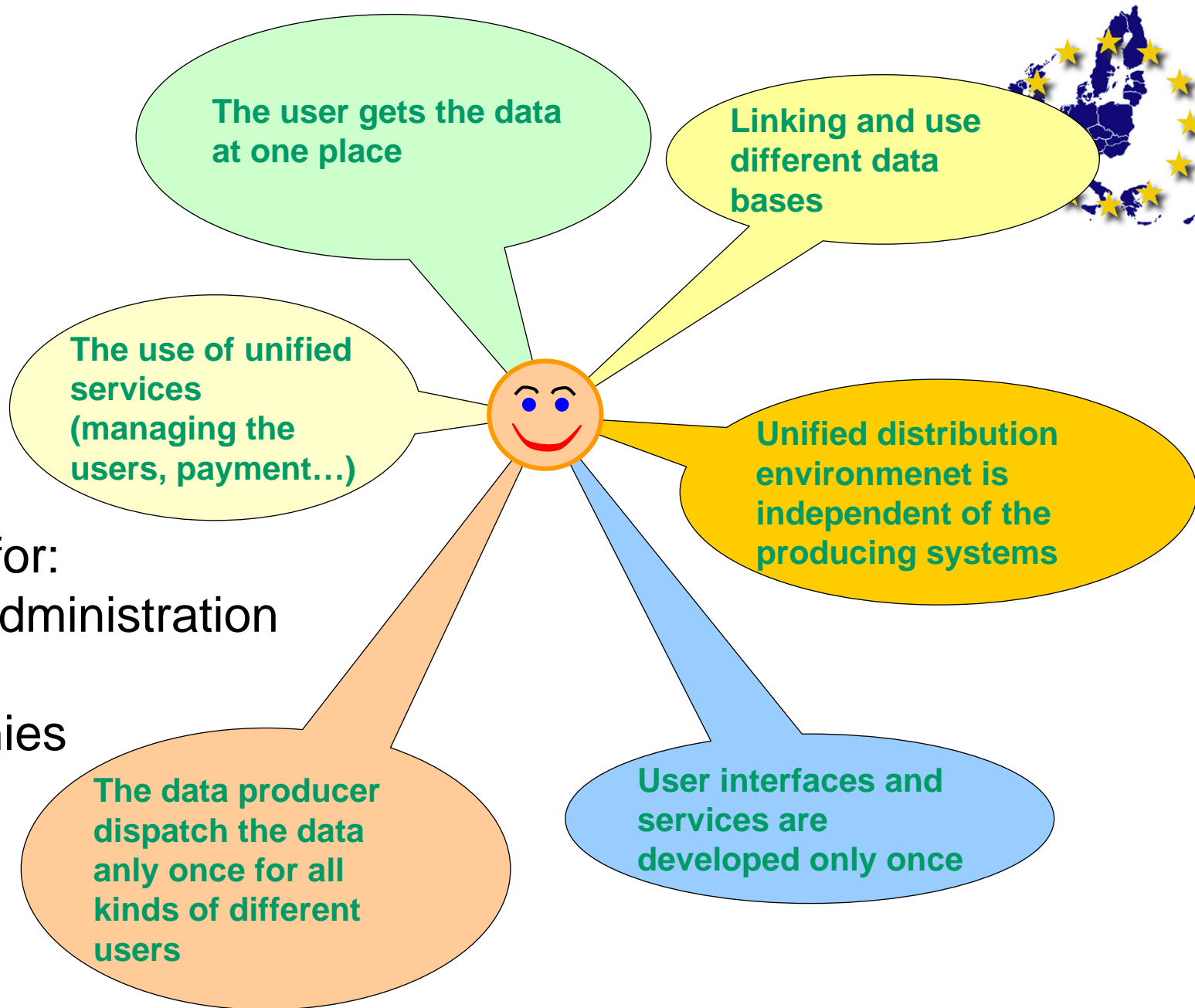
Rezultat poizvedbe:

Zadetkov: 1

Šifra katastrske občine	Ime katastrske občine	Parcelna številka	Površina			
1018	MARIJA REKA	12	3728	i	€	



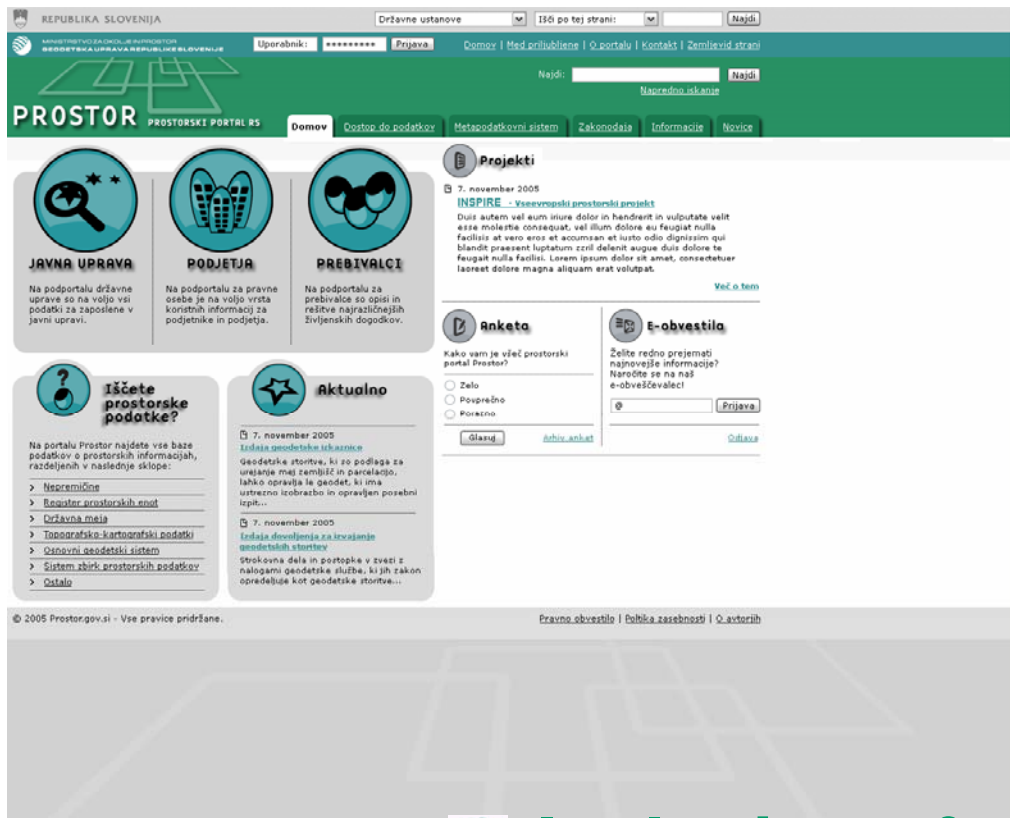
-  Costless access
-  Allows an individual access to graphic and attribute data on real estate which are owned by individual
-  The owner must prove his/her identity with an appropriate digital certificate,







Benefits for:

- public administration
- citizens
- companies





-  Inclusion of other spatial data
-  Building the country-wide SDI
-  Distribution system as a basis for SDI
-  National geoportal

Awareness-raising & capacity building



- Activities and events focused on NSDI and/or INSPIRE
 - Papers and presentations
 - Workshops at the MESP (27. 5. 2004, 19. 1. 2005 and 3. 10. 2005)
- Main holders of these activities
 - Governmental organizations (MESP, SMA, EARS)
 - Professional non-governmental organizations (Slovenian Associations of Surveyors)
- Main funding of these activities
 - Subsidies from the state/regional budgets
- Main barriers and gaps
 - Status of directive and institutional coordination

Suggestions for organizing of the National INSPIRE Info Days



- Expectations
 - information days are necessary
- Needs
 - Timing (after adoption of directive in next few months)
 - Specific interests or limits (governmental and non governmental sector)
 - Supporting materials, networks etc. (printed information material)
 - Others (support from EU institutions and programs)
- Challenges
 - Public private partnership
 - Common activities inside public authorities



Thank you for your attention!