

Digital Ukraine 2019

eSpatial program of projects

for more efficient spatial planning and building permits procedures in
Slovenia



Erna Flogie Dolinar, MSc

23 May 2019



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA





»The programme of the projects eProstor«



Home of 2.054.741 inhabitants

Area of 20.273 km²

Land parcels: 5,6 mio

Buildings: 1,2 mio

Hous numbers: 536.616

Settlements: 6031

Wooded area: 66%

Coastline: 46 km



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

www.mop.gov.si



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si



www.projekt.e-prostor.gov.si



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND
INVESTING IN YOUR FUTURE

www.eu-skladi.si

Public geodetic sector in Slovenia

»The programme of the projects eProstor«



 **GEODETSKI INŠTITUT SLOVENIJE**

 **REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING**

www.mop.gov.si

 **REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING**

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si

 **eProstor**
SHARING THE SPACE

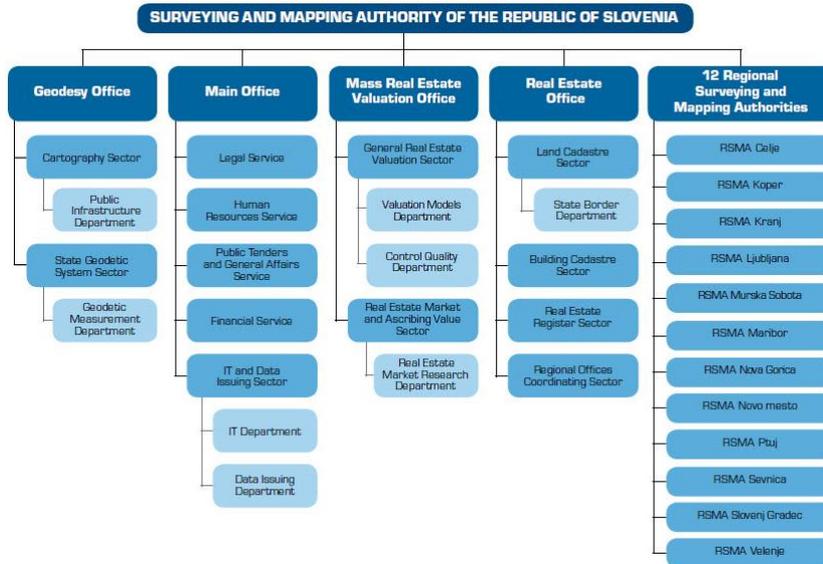
www.projekt.e-prostor.gov.si

 **EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND
INVESTING IN YOUR FUTURE**

www.eu-skladi.si

SMA - organization

»The programme of the projects eProstor«



- Head office - (Ljubljana) , 12 regional geodetic authorities, 40 branch survey offices.
- 470 employees.
- Budget around 20 mio EUR.

SMA – main tasks and activities

- creation, administration and updating of real estate and topographic databases,
- registration of changes in physical space and on real estate properties,
- role of a coordinator in the field of the real estate system and the spatial data infrastructure,
- mass real estate valuation,
- creating conditions for implementing land surveys.



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

www.mop.gov.si



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si



www.projekt.e-prostor.gov.si



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND
INVESTING IN YOUR FUTURE

www.eu-skladi.si

eSpatial program of projects

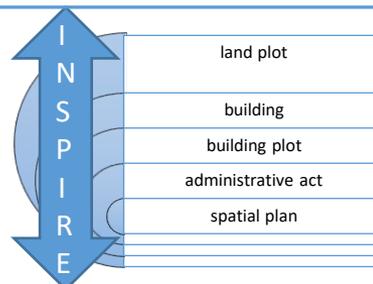
2016 2017 2018 2019 2020 2021

- SMA in corporation with Ministry of the Environment and Spatial Planning formed and prepared an activities program eSpatial
- part of the Operational Programme for the Implementation of the EU Cohesion Policy (2014-2020)
- 22 mio EUR, 80 % of cohesion funding and 20 % of Slovenian participation
- Ensure greater transparency and efficiency in the spatial management, construction of facilities and property management.
- Linked (Interoperable), easily accessible and reliable spatial datasets will help accelerate and improve the processes in the field of spatial planning, construction and real estate management.



The main purpose

»The programme of the projects eProstor«



transparency

efficiency

easily accessible

quality

control



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

www.mop.gov.si



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING
THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si



www.projekt.e-prostor.gov.si

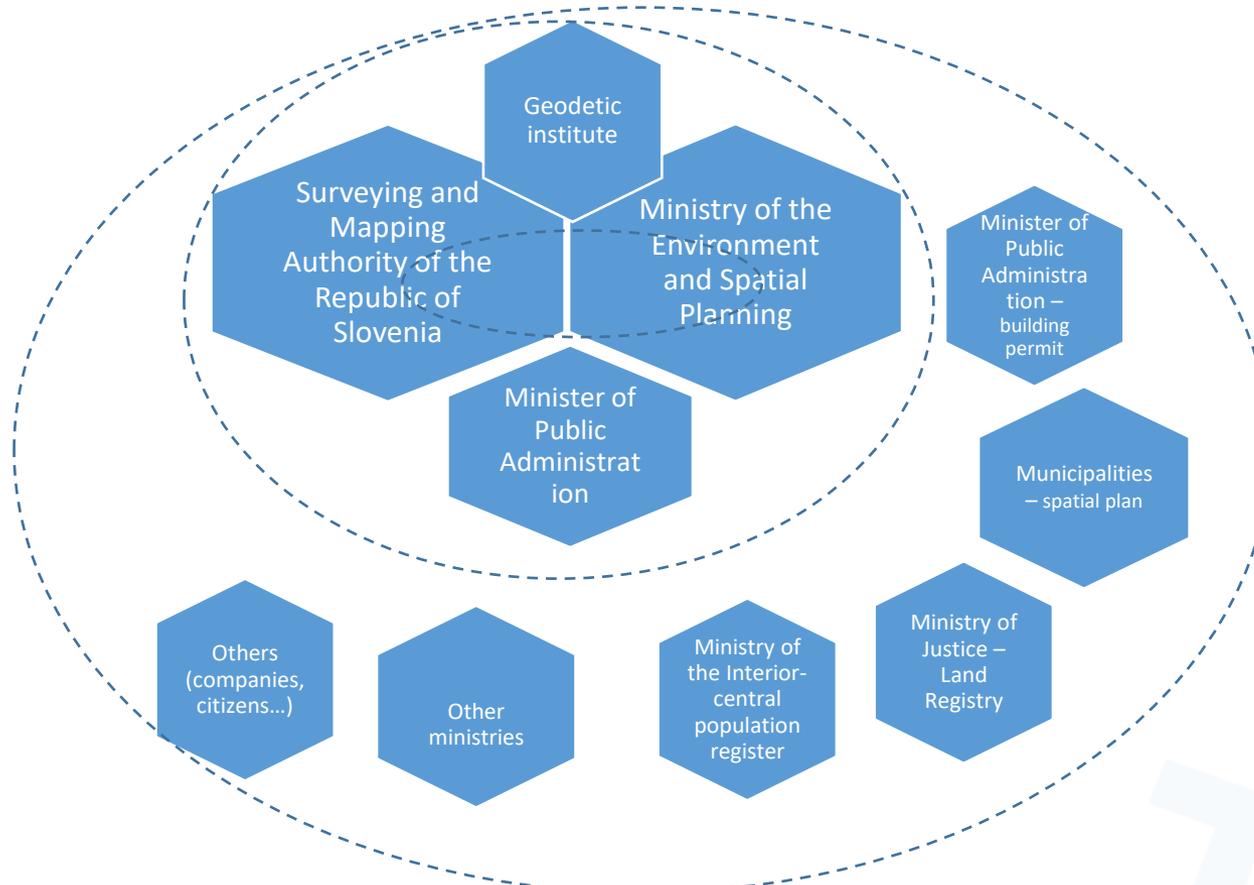


EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND
INVESTING IN YOUR FUTURE

www.eu-skladi.si

Involved in the project

»The programme of the projects eProstor«



REPUBLIC OF SLOVENIA
**MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING**

www.mop.gov.si



REPUBLIC OF SLOVENIA
**MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING**

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si



www.projekt.e-prostor.gov.si



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND
INVESTING IN YOUR FUTURE

www.eu-skladi.si

The program consists of five projects

»The programme of the projects eProstor«

Common Infrastructure for Spatial Information



Information renovation of real estate records



Spatial information system for urban plans



Capture and improvement of spatial data



Support to project management and information



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

www.mop.gov.si



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si



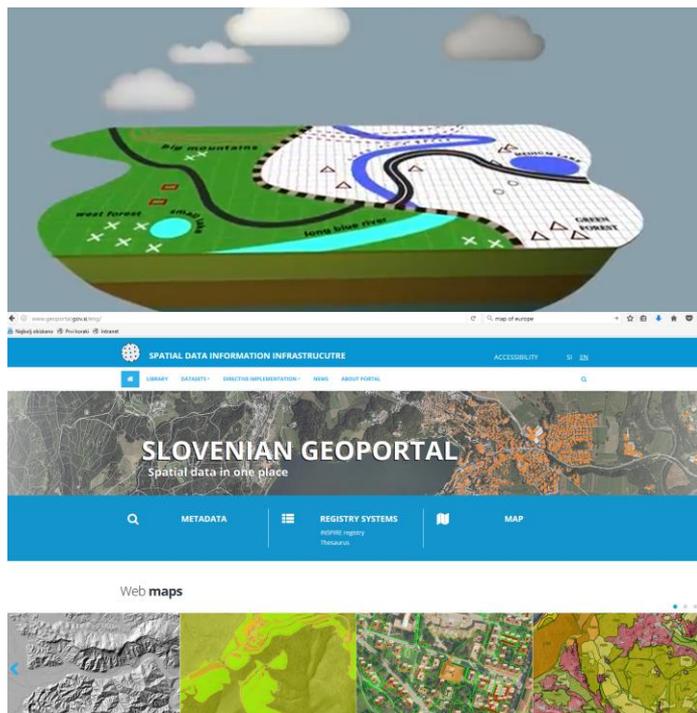
www.projekt.e-prostor.gov.si



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND
INVESTING IN YOUR FUTURE

www.eu-skladi.si

Common Infrastructure for Spatial Information



Infrastructure for Spatial Information in the European Community

- Each ??? has a specific way to describe data
- Different standards



COMMON STANDARDS TO DESCRIBE AND SHARE DATA

- coordination mechanisms,
- control of the use of infrastructure for spatial information,
- enabled data flow of spatial data between public authorities in Slovenia and their exchange with the bodies of the European Commission and between Member States,
- network services related to spatial data.



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

www.mop.gov.si



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si



www.projekt.e-prostor.gov.si



www.eu-skladi.si

Spatial information system

»The programme of the projects eProstor«



PROSTORSKI INFORMACIJSKI SISTEM
javno spletno mesto

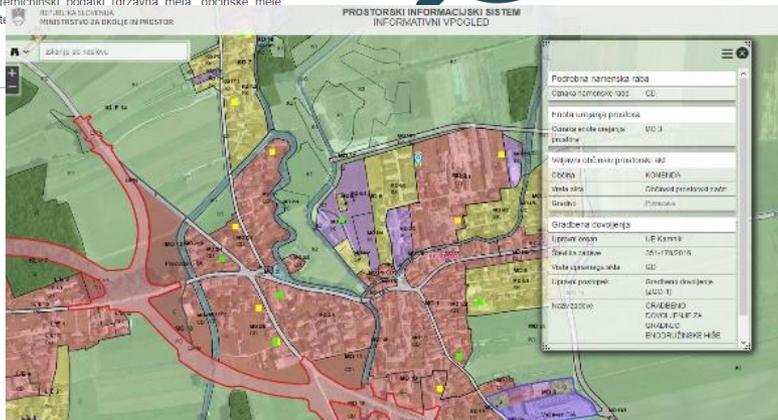
Informativni vpogled

Informativni vpogled je javna storitev, ki je namenjena vpogledu v prostorske podatke o državnih in občinskih prostorskih aktih, upravnih aktih s področja graditve objektov, omejitvah v prostoru in v nepremičninske evidence.

Preko storitve so uporabnikom na voljo podatki o veljavnih državnih prostorskih aktih in tistih v pripravi, razpoložljivi podatki o podrobni namenski rabi prostora iz občinskih prostorskih načrtov in prostorskih redov, informativni podatki o podrobnih izvedbenih aktih, podatki o upravnih aktih s področja graditve objektov (gradbena in uporabna dovoljenja, s pravno močnostjo od 1.6.2015), podatki o omejitvah v prostoru (natura 2000, zavarovana območja, ekološko pomembna območja, vodovarstvena območja, gozdni rezervati, varovalni gozdovi, varstvo kulturne dediščine) in nepremičninski podatki (državna meja, občinske meje, meje naselij, zemljiški kataster).



Skok na storitev



- spatial information system,
- electronic commerce in the field of construction and preparation of spatial plans,
- a system for managing data of building land records also on local level.



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

www.mop.gov.si



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si

eProstor
SHARING THE SPACE

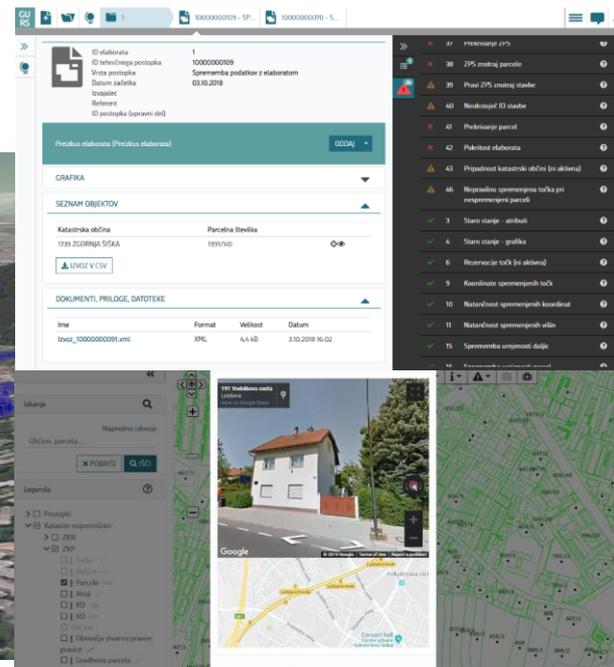
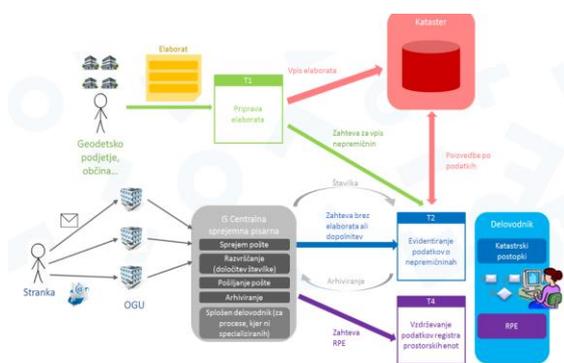
www.projekt.e-prostor.gov.si

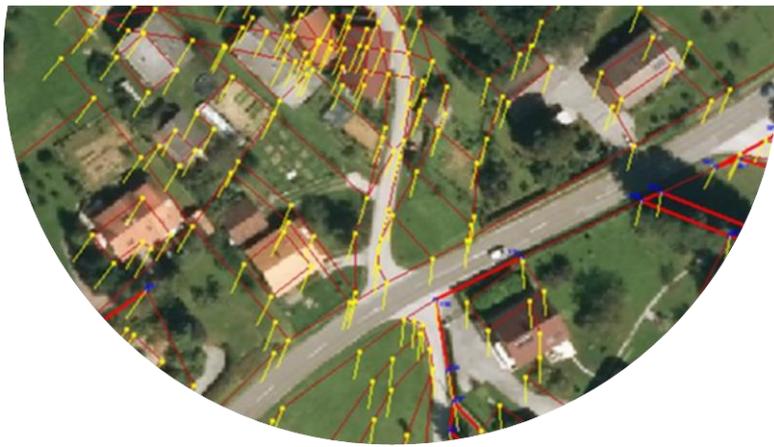


EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND
INVESTING IN YOUR FUTURE

www.eu-skladi.si

Information reengineering of existing real estate records

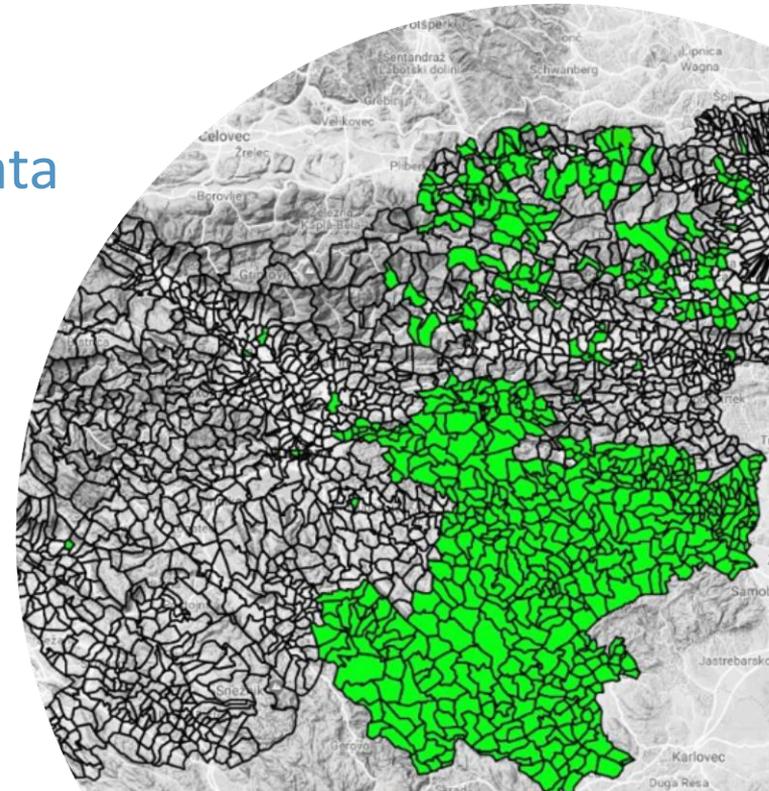




»The programme of the projects eProstor«

Capture and improvement of spatial data

- improvement in accuracy of location data of the graphical part of the Land Cadastre,
- the membrane method (adjustment and homogenization of data), developed by colleagues from Germany.



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

www.mop.gov.si



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si



www.projekt.e-prostor.gov.si



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND
INVESTING IN YOUR FUTURE

www.eu-skladi.si

Digital Archive

»The programme of the projects eProstor«

Zadetkovi1	Sifra katastrske občine	Ime katastrske občine	Št. elaborata	Zaključek postopka	Vloga	Podrobnosti	PDF elaborata
	1456	NOVO MESTO	3042	12.02.1998	90312-00104/1996		1456_05042_000.pdf (1) Prezemi

- completed the scan of the entire archive of the land cadastre, the cadastre of buildings and state spatial plans,

23 mio pages of geodetic digital documents,

- 24 hour access to data,
- the material remains intact,
- all documents of a permanent character are digitized.

TRANSFORMACIJA V NOV KOORDINATNI SISTEM - prostorski podatki z novimi koordinatami?



Predstavitveni video
"Program projekta"

Predstavitveni video
"Skupna"

Predstavitveni video
"Prostorski"

Predstavitveni video
"Informacijska prenova"

Inform all stakeholders and the public

EN PROSTOR ZA VSE

»Program projektov eProstor«

Financirano s strani Republike Slovenije in Evropske unije iz Evropskega sklada za regionalni razvoj.

»Vsega preglednost in učinkovitost pri urejanju prostora, graditvi objektov in upravljanju naprednosti.«

»program projektov eProstor«
stor - en prostor za vse

En prostor za vse.

»Program projektov eProstor«

projekt.e-prostor.gov.si

eProstor
EN PROSTOR ZA VSE

VSEBINA

1. Dostop do podatkov matričnega zemljevida
2. Postopek ustajaljenja mej občin z mejnimi parceli
3. Izboljšava zemljiške - katastrskega priklada - spremembe imene gea Slovenije na katastru
4. Digitalizacija arhivskih elaboratov Geodetske uprave Republike Slovenije
5. Vse svet, v eno mrežno uprjo!
6. Dogodki

SEPTEMBER 2018
eNovice / ŠTEVILKA 2

REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

www.mop.gov.si

REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si

eProstor
SHARING THE SPACE

www.projekt.e-prostor.gov.si

EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND
INVESTING IN YOUR FUTURE

www.eu-skladi.si

Results (partial)

»The programme of the projects eProstor«

- all key documents prepared and validated,
- organization of the project was established,
- 85% of a public tender are completed,
- the scan of the entire archive,
- strategic and operational documents for the Infrastructure for Spatial Information,
- the location improvement of 32% of the territory,
- first phase of the IT solutions for the spatial information system and real estate cadastres,
- Legislation.



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

www.mop.gov.si



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si



www.projekt.e-prostor.gov.si



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND
INVESTING IN YOUR FUTURE

www.eu-skladi.si

Conclusion

»The programme of the projects eProstor«

Main challenges in the project:

- co-operation between all project partner,
- Co-operation between public agencies and authorities in Slovenia for NSDI and INSPIRE implementation.

Benefits of setting up such co-operations in the wider societal, economic and environmental context.

Key words: Coordination, Cooperation, Harmonisation, Openes, Interoperability, Re-use, Cappaccity, People!



REPUBLIC OF SLOVENIA
**MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING**

www.mop.gov.si



REPUBLIC OF SLOVENIA
**MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING**

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si



www.projekt.e-prostor.gov.si



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND
INVESTING IN YOUR FUTURE

www.eu-skladi.si

Thank you for your attention.

<http://www.projekt.e-prostor.gov.si>

**Uredimo prostor.
Ne vrag, le sosed naj bo mejak.**



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

www.mop.gov.si



REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT
AND SPATIAL PLANNING

THE SURVEYING AND MAPPING AUTHORITY
OF THE REPUBLIC OF SLOVENIA

www.gu.gov.si

 **eProstor**
SHARING THE SPACE

www.projekt.e-prostor.gov.si



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND
INVESTING IN YOUR FUTURE

www.eu-skladi.si