

Conference and Plenary Meeting of the Permanent Committee on Cadastre in the European Union (PCC)

“Role of National Mapping, Cadastre and Land Registry Authorities in Resilience and Recovery program “

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Digital Transformation of Environment and Space



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



Joint PCC and EuroGeographics CLRKEN Webinar
Slovenia, 10. and 11. November 2021

2014-2020(23)

Program of the projects eProstor



ERDF (European Regional Development Fund)
Operational Program for the implementation of European cohesion policy, period 2014-2020, for the priority axis 2 - **Strengthening of the ICT applications for e-content**



Established IT infrastructure for spatial information and services, which will provide support for the **public administration** and **citizens** at planning, construction and real estate management

COMMON
INFRASTRUCTURE FOR
SPATIAL INFORMATION

SPATIAL INFORMATION
SYSTEM

RENOVATION OF THE REAL
ESTATE RECORDS SYSTEM

DATA AQUISION AND DATA
QUALITY IMPROVEMENT

PROJECT MANAGEMENT
AND INFORMATION



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Next Generation EU 2021- 2027

Strategic Plan for the Digitization of Spatial Planning and the Environment at the Ministry of the Environment and Spatial Planning

eMOP

VISION

- to become the **reference organization** in the field of official digital spatial and environmental data infrastructure. "

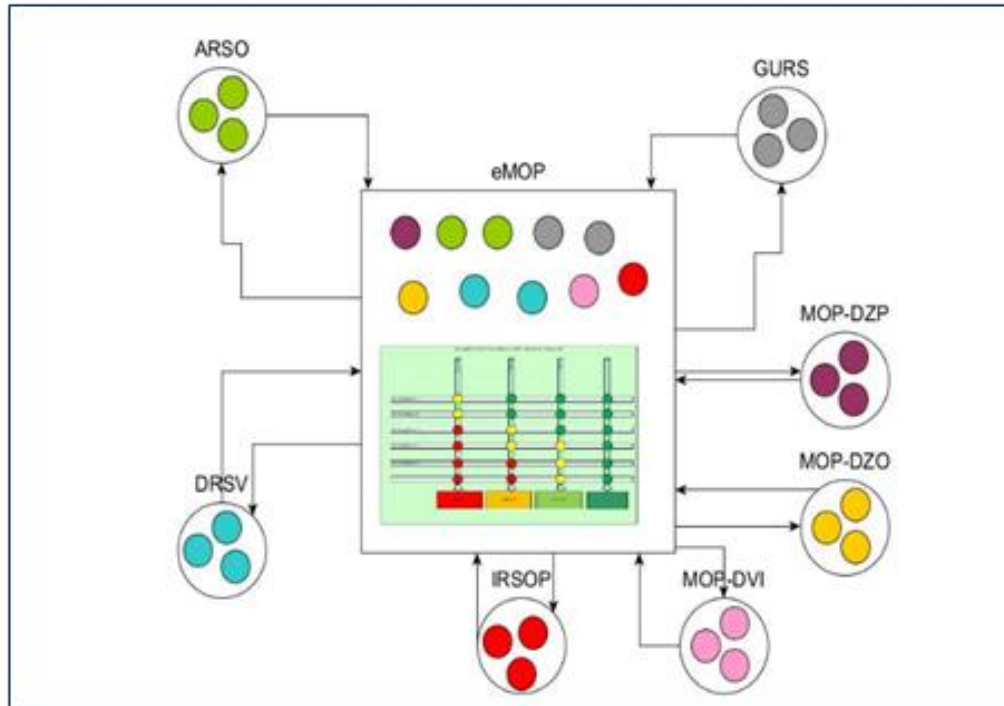
MISSION

- to provide the infrastructure for spatial and environmental data, to provide **efficient services and quality official data**



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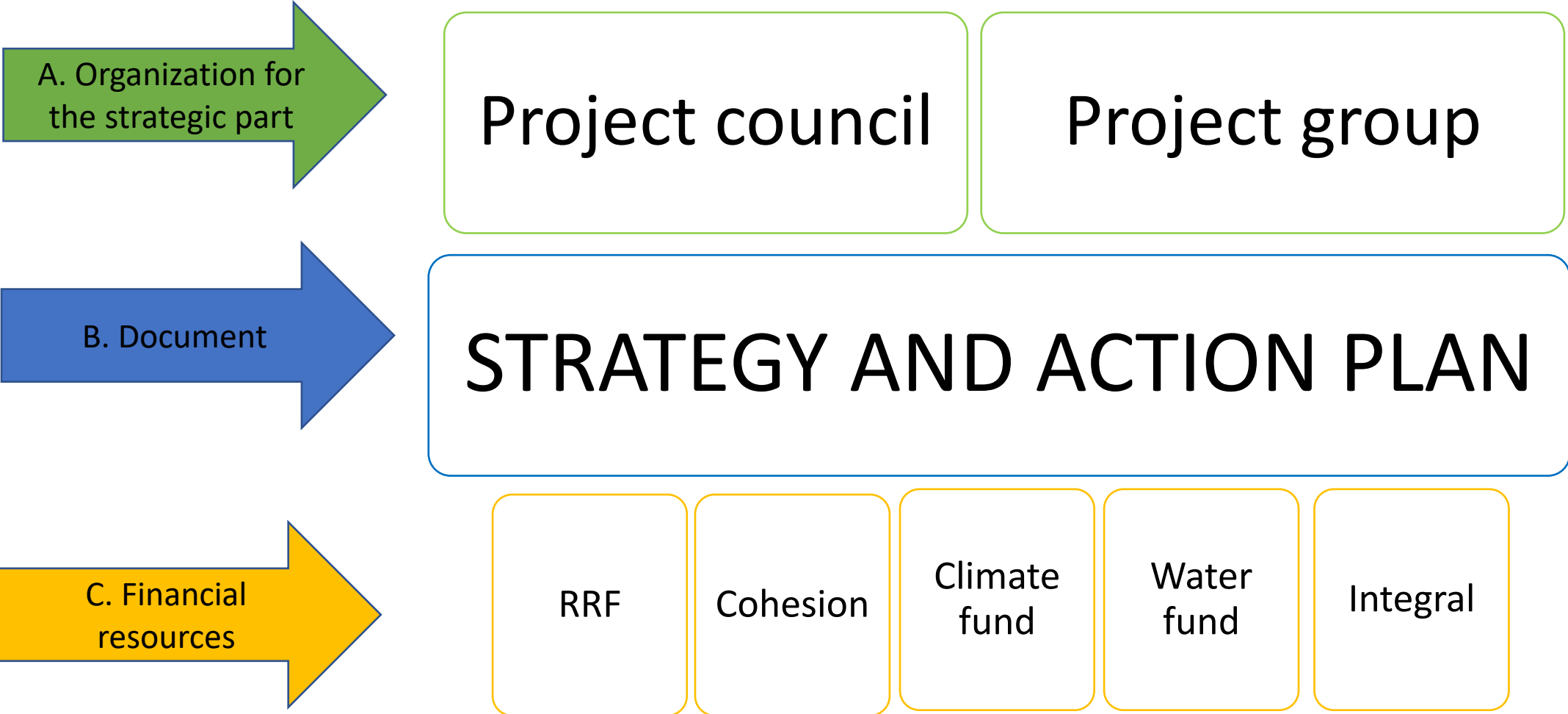
eMOP (Ministry for the Environment and Spatial Planning)



- **Water Agency**
- **Environment Agency**
- **Surveying and Mapping Authority**
- **Environment Directorate**
- **Water and Investments Directorate**
- **Spatial Planning, Construction and Housing Directorate**
- **Inspectorate for Environment and Spatial Planning**

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Digital transformation of eMOP



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Digital transformation of the environment and space

1. Strategic plan

2. Action plan

3. Actions eMOP and costs estimation

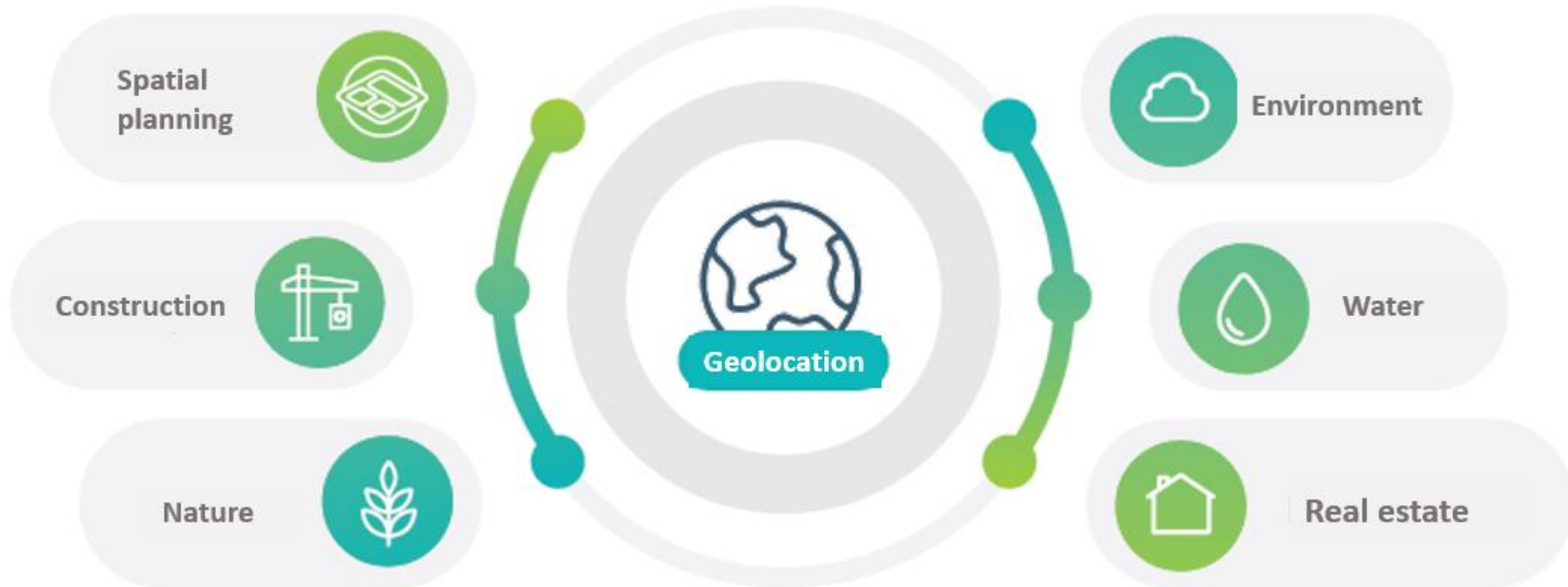
4. Other documents:

- List of datasets
- List of EU reports
- Connections with other
- Informatics Analysis



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Elements of common data infrastructure



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Strategic Objectives

- **OBJECTIVE 1: „INTEGRATION“**

Connect key spatial and environmental digital data infrastructure.

- **OBJECTIVE 2: "OPENING"**

Open and provide access to digital data and services.

- **OBJECTIVE 3: "USEFULNESS"**

Increase and improve the use of digital data and services.



- **OBJECTIVE 4: "VISUALIZATION"**

Provide conditions for the development of visualized multidimensional data.

- **OBJECTIVE 5: "INNOVATION"**

Establish an environment for the innovation of location and other services.

- **OBJECTIVE 6: "DIGITALIZATION"**

Additional missing data of state and local data infrastructure processes.

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Recovery and Resilience Program

Green Slovenian Location Framework



- horizontal integration of information systems of space, environment, water, nature and real estate
- easy access to data and services
- shortened processes
- safe and fast choices

RECOVERY AND RESILIENCE FACILITY

Twin Transitions: Green and Digital

Each recovery and resilience plan will have to include

a minimum of **37%** of expenditure for **CLIMATE** investments and reforms

a minimum of **20%** of expenditure to foster the **DIGITAL** transition

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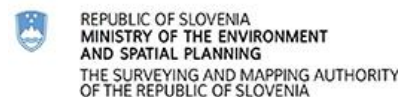


Recovery and Resilience Plan at **S**urveying and **M**apping **A**uthority

SMA activities:

- **4D coordinate system** -> basic integration standard
- **Analytics and value modeling** -> efficient space management
- **Digital location and other services** -> digital services
- **Lidar, 3D TOPO** -> prerequisite for effective digital monitoring
- **Public infrastructure, vectorization of floor plans** -> more D cadastre
- **Shared data infrastructure** -> services for users
- **Knowledge Center** -> Education Center

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Next: Cohesion negotiations 2021 - 2027

A smarter Europe - Innovative and smart industrial transformation

- Artificial intelligence
- Visualization
- New technologies



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Thank you for your attention.

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