



FIG WORKING WEEK 2019

22-26 April, Hanoi, Vietnam

"Geospatial Information for a Smarter Life and Environmental Resilience"



*Presented at the FIG Working Week 2019,
April 22-26, 2019 in Hanoi, Vietnam*

Strengthening Professional Access to Information About Land (SPATIAL) in the Western Balkans

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SPATIAL Project

The project purpose is to **S**trengthen **P**rofessional **A**ccess **T**o **I**nformation **A**bout **L**and (SPATIAL) in the Balkan region.

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Counterparts

- Agency for Real Estate Cadastre (AREC)
- State Authority for Geospatial Information (ASIG)
- Federal Administration for Geodetic and Property Affairs (FGU)
- Republic Administration for Geodetic and Property Affairs (GARS)
- Central Office of Immovable Property Registration (IPRO)
- Kosovo Cadastral Agency (KCA)
- Real Estate Administration of Montenegro (REA)
- Republic Geodetic Authority (RGA)



Ministry of Foreign Affairs of the Netherlands



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Context for the Western Balkan region

- Ambition to improve the access and harmonisation of geospatial information
- Obligation as (potential) candidate members of the European Union towards INSPIRE
- Need for efficient policy and decision making processes with reliable authoritative geospatial information
- Society requires transparent access to information
- Improve stable and sustainable relation between the citizens and the government

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3 Components

- SPATIAL Northern Macedonia
- SPATIAL Serbia
- SPATIAL Region

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SPATIAL Northern Macedonia: Activities

- Capacity building NSDI stakeholders Mobilize stakeholders by increasing knowledge for the production and delivery of metadata and services for the national geoportal
- Technical Assistance for the establishment and implementation of the Address Registry
- Technical assistance related to updating the workflow of the basic topographic map scale 1:25k and to automated generalization

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NSDI

- Set up NSDI lab for all NSDI stakeholders
- NSDI Operational Implementation Manual
- Training for trainers for spatial web services

Address Registry

- Recommendations
 - Legislation
 - Governance
 - INSPIRE specifications
- Technical assistance:
 - on Pilot Areas
 - Workflow
- Workshops

Topographic Maps – updating & generalisation

- Recommendations
 - LEAN principles
 - User involvement
 - Capacity building
- Technical Assistance
 - Workflow and simplification of the process
 - Quality Control
 - User involvement
- Study visit

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SPATIAL Serbia: Activities

- Raising Awareness and Technical Assistance to develop technical, legal, institutional and financial NSDI framework for Serbia
- Training and support for developing models for mass property valuation.
- Strengthening institutional and organisational capacity by exchanging experiences and to develop capacity on:
 - The role and responsibilities as provider of information of national key registrations
 - The Open Data concept
 - To become a more service oriented institution

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NSDI
strategy

Open Data

Mass Valuation

Key Registers

Service
Oriented
Organisation

Centre of
Excellence
workshop

Transformation
of RGA

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NSDI

- Review of NSDI Legislation
- Technical assistance on NSDI Strategy
- Recommendations on:
 - Architecture
 - Technical Infrastructure
 - Applications
 - Stakeholder management
 - Business and Financial Model

Open Data

- Workshop
 - Introduction to concepts of Open Data
- Identification main benefits
- Identification key preconditions
- Draft roadmap
- Open Data Statement

Mass Valuation

- Workshop
 - Sharing of best practices
- Comparison of data models
- Data extraction
- Quality improvement
- Stakeholder management
- User needs and requirements

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Key Registers

- Sharing best practices of having a system of key registers in place
- Organisational framework
- Legal Framework
- Technical framework (standards, quality)

Service Oriented Organisation

- Role and Responsibility of governmental service organisation
- Self evaluation EQFM
- Assessment type of users / customers
- Ways of market research
- Financial framework

Centre of Excellence

- Technological Trends
- User orientation needs
- Interoperability
- Linked Data

Transformation of RGA

- Aspects of Autonomy

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SPATIAL Region: Activities

- High Level Study visit to the Netherlands



- 4 Regional Workshops:
 - Towards a more service oriented
 - NSDI
 - Address Registry
 - Strategy Planning & Future cooperation

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Regional Workshop - Structure

- Pitches of participating organisation on six 6 aspects
- Sharing best practices from the Netherlands
- Round Table discussions on the theme of the workshop
- Define quick wins and actions for each organisation





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SPATIAL Project Res

-  20+ Workshops & Trainings
-  240+ Participants
-  10+ Topics Addressed
-  20+ Dutch experts
-  75+ Flights



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Results

- NSDI Cook book delivered
- NSDI Lab set-up
- Increased capacity on Address Registry
- Improved work flow for topographic maps

- Accepted NSDI Legislation
- Developed NSDI Strategy
- Open Data Statement

- Valuable lessons learned in the region
- Increased regional cooperation

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Lessons Learned

- Bilateral cooperation provides tailor made assistance with the right expert at the right time
- Hands-on support gave boost to implementation
- Regional cooperation supports exchange of best practices
- Regional cooperation contributes to the further development of each organisation

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FIG

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10 – 14 MAY

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Smart Surveyors for Land and Water Management

