



GOVERNMENT OF MONTENEGRO

# SDI IN MONTENEGRO

## REAL ESTATE ADMINISTRATION

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1<sup>st</sup> Regional INSPIRE Forum, Zagreb, Croatia  
27. September, 2012

## SDI in Montenegro now



- Spatial data producers
  - Government institutions
  - Public institutions
  - Private companies
- Most of data part of closed systems and not available to potential consumers
- No formal or informal standards for exchange or use of data adopted
- Few examples of good cooperation among institutions, that can be considered as beginning of SDI, some of them initiated by Real Estate Administration

## SDI in Montenegro now



- SDI initiatives taken so far
- First steps made by Real Estate Administration, biggest spatial data producer in Montenegro that is in charge of State survey, cadastre, cartography, ...
- Law on state survey and real estate cadastre ("Official gazette of Montenegro", No. 29/07 and 32/11):
  - NSDI defined
  - NSDI establishment, maintenance and use
  - NSDI Council
  - Other NSDI details: NSDI subjects, contents, responsibilities, services, metadata, access restrictions, national Geoportal

## SDI in Montenegro now



- First step - NSDI Council institution, not presented
- Real Estate Administration provided necessary documents to Government, and made initiative in order to establish NSDI Council and define subjects of NSDI
- Real Estate Administration prepared draft agreement which should be accepted by NSDI stakeholders
- Real Estate Administration is raising public awareness about SDI
- REA Geoportal, INSPIRE compliant services
- Several local and regional SDI related initiatives

## Future of SDI in Montenegro



- First step - NSDI Council institution, will be presented in following months
- NSDI strategy will be adopted next year
- NSDI technical committee will publish necessary documents
- New law?
- Most of main government and public spatial data providers – NSDI subjects have to work together to establish real SDI
- National Geoportal will be presented
- EU integrations – EU standards have to be adopted
- EU integrations – INSPIRE directive

## Future of SDI in Montenegro



- Public awareness about SDI benefits will be on higher level
- In three years part of INSPIRE theme set will be available in Montenegro NSDI
- Recognising the benefits, more stakeholders will join NSDI

## Current SDI obstacles in Montenegro



- Montenegro – small country
- No clear vision about importance of SDI and spatial data exchange and integration
- Law implementation delayed – political support needed
- Rare initiatives, mostly for purposes of concrete projects
- Reduced infrastructure investments (global crisis?)
- Technical infrastructure not on high level
- Lack of human resources
- Education

## How to overcome SDI obstacles



- Start with law implementation
- NSDI Council should take leading role in legislative and technical SDI implementation
- Marketing and support should be focused on future stakeholders and investors
- Pilot projects should be carried out and concrete benefits publicly presented in different areas:
  - Environmental protection,
  - Land management,
  - Risk management, etc.
- Regional and international cooperation raise on higher level
- Exchange of knowledge and best practices with region and wider

## How to overcome SDI obstacles



- More initiatives, forums, workshops
- Increased local investments in SDI development
- Applications for international funds and support projects

## Cooperation with local SDI stakeholders



- Real Estate Administration have good technical cooperation with several SDI stakeholders in Montenegro:
  - Ministry of agriculture and rural development,
  - Ministry of defence,
  - Ministry of sustainable development and tourism,
  - Statistical institute,
  - Some local municipalities, etc.
- Common interest and law obligations are main reasons for this cooperation
- NSDI and INSPIRE implementation will improve this

## Regional cooperation



- Regional cooperation in SDI area is preferred for many reasons
- Common interests: economic, protection, tourism, common investments and development, etc.
- Regional cooperation will provide exchange of knowledge and best practices
- Examples of good cooperation with region:
  - Regional conference about cadastre
  - INSPIRATION project
  - BalkanGEONet
  - GNSS networks
- Common goal to countries in region - EU integrations

**THANK YOU FOR ATTENTION!**



**Real Estate Administration**

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