



GOVERNMENT OF MONTENEGRO

SDI IN MONTENEGRO

REAL ESTATE ADMINISTRATION

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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
 - BalganGEONet
 - GNSS networks
- Common goal to countries in region - EU integrations

THANK YOU FOR ATTENTION!



Real Estate Administration

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