Lantmäteriet and the Balkans The IMPULS project

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IMPULS project - basic facts

Financing:

Sida, Swedish International Development Cooperation Agency



Implementation:

- Lantmäteriet, Swedish mapping, cadastral and land registration authority (leading partner)
- State Geodetic Administration, Croatia (junior partner)



Duration: 2014 - 2019

Total amount: 38 900 000 SEK (app. 4 million EUR)

Beneficiaries:

 8 institutions in charge of providing basic spatial data and SDI from 6 countries in the Western Balkan Region (generally responsible as coordinators as well as primary data producers/providers).



Beneficiaries

- Immovable Property Central Registration Office of the Republic of Albania (IPRO)
- National Authority for Geospatial Information in Albania (ASIG)
- Federal Administration for Geodetic and Real Property Affairs of FBiH (FGA)
- Republic Authority for Geodetic and Property Affairs of the Republic of Srpska (GARS)
- Kosovo Cadastral Agency (KCA)
- Agency for the Real Estate Cadastre of the Republic of Macedonia (AREC)
- Real Estate Administration of Montenegro (REA)
- Republic Geodetic Authority of the Republic of Serbia (RGZ)



IMPULS - Corner stones

Co-operation

Co-ordination



Transparency

Sharing

Success factors for the project is cooperation at different levels, sharing data and working together to increase the benefits of this data, as well as working together to collect a potentially higher quality of data.



Wider and deeper

The sustainability with other projects have been to continue and increase the co-operation that was developed during the INSPIRATION project, before 2014.

- Wider (involving more stakeholders and more issues); and
- Deeper (hands on workshops, joint development, sharing experiences etc.)



From more general activities for raising awareness, making analyses and transferal of high level knowledge





Toward increasing practical knowledge (hands on work), capacity and supporting actual implementation of the **INSPIRE Directive**



IMPULS is about cooperation

- IMPULS will provide the basis for:
 - How the exchange and use of information can be achieved;
 - How authorities should disseminate spatial data in an electronic format via services and;
 - How they should share geodata with other public authorities and also other countries.
- The Nordic countries cooperation an input model for this project.
- The cooperation is within and between independent organisations.
- The cooperation are based on common frameworks and regulated in contracts and agreements.
- Without cooperation you have no SDI.

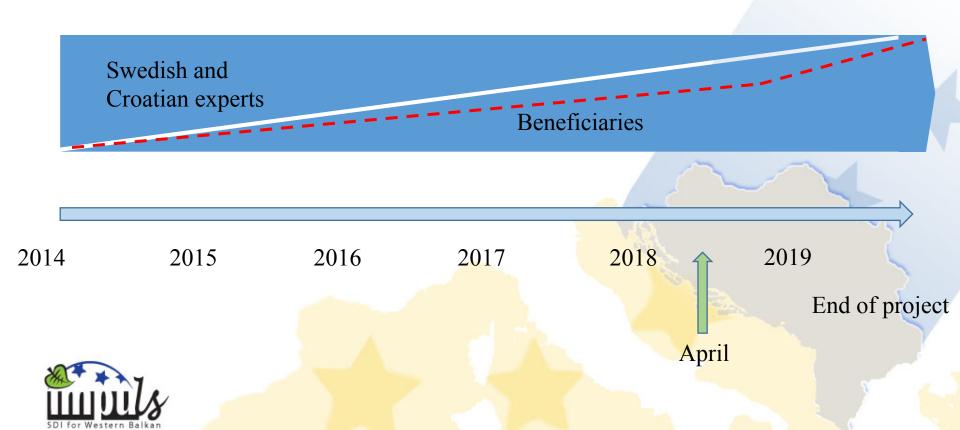




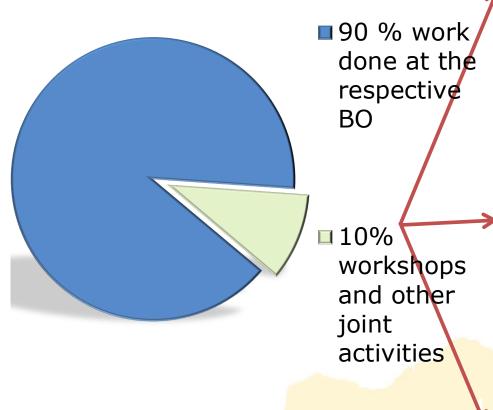


Time-schedule

All the knowledge is sustainable over time



Approach and methodology



Seminar – information activities, presentations, discussions =>
increasing knowledge by setting knowledge exchange network among BO's, presenting best practices, preparing for tasks to be implemented, setting a base for next step

Workshop – learning by doing, hands on work => giving tangible results, e.g. specification, technical framework, draft law, first meta data profile, doing action plans, data sharing models, etc.

On-line trainings

Number of events

Date	National WS	Regional WS	Confe- rences	Total
Nov. 2014 - April 2015	0	18	0	18
May - October 2015	0	3	2	5
Nov. 2015 - April 2016	5	6	0	11
May - October 2016	5	5	2	12
Nov. 2016 - April 2017	6	1	0	7
May - October 2017	4	0	2	6
Nov. 2017 - April 2018	3	1	0	4
Total	23	34	6	63



IMPULS - Outcome Statements

- Understanding of contribution to an efficient SDI
- Clear view of the different SDI roles (user, producer and coordinator)

- Using data from other sources, National and regional
- Using different SDI components (meta data, portal, services etc.) when producing, using and providing data
- Proactively driving the SDI-work and removing obstacles to share data in the region
- Actively developing and promoting NSDI's





Priority tasks

1. Metadata for existing data and services are searchable from national portal



2. Services are available for all the datasets



3. Harmonised data according to common specifications





Monitoring of results

			NSDI	Agree		Harm	Harmonized data sets			e d Services for harmonized data; indicate INSPIRE compliancy (e.g.: Y/I or Y/no I)				10	Metadata for harm onized data and services; indicate compliancy with Regional profile (e.g.: Y/R or Y/no R)				Additional harmonized datasets						
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Monitoring of results

Road trips 2016 and 2017

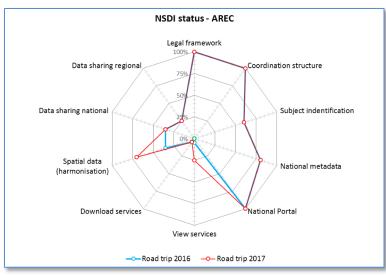
Swedish and Croatian experts looked together with the BO's on how each BO had performed within:

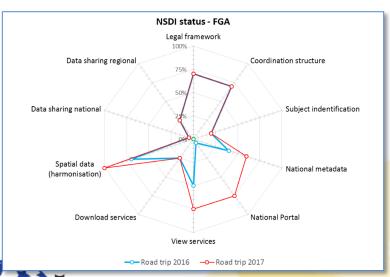
- 1. Legal framework
- 2. Coordination structure
- 3. Subject identification and monitoring
- 4. National metadata
- 5. National Portal (Discovery service, Interface, Regional access)
- 6. View services
- 7. Download services
- 8. Spatial data (harmonisation)
- 9. Data sharing national
- 10. Data sharing regional

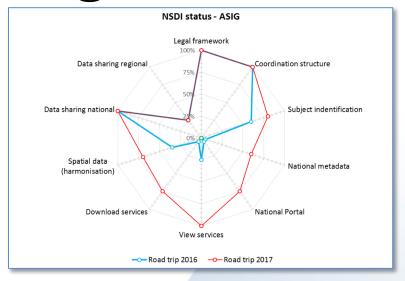


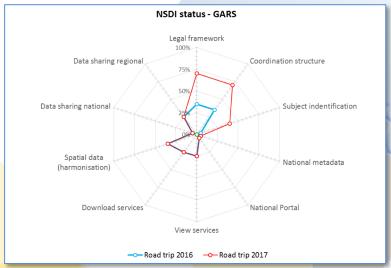


Benchmarking 2017

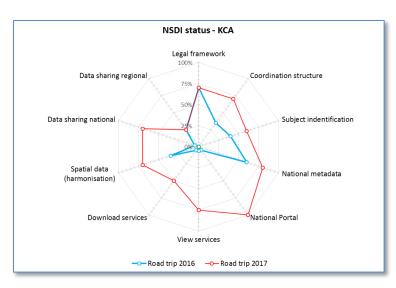


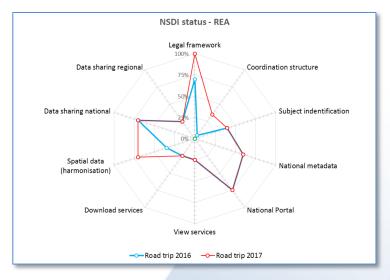


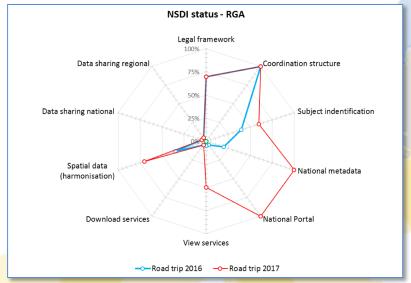




Benchmarking 2017









Expected project impact - Long term result

• INSPIRE Directive is implemented in the region, enabling the beneficiary countries to meet the EU-requirements in this area

INSPIRE



 Interoperable content and services are delivered efficiently, supporting the development of e-government in each country - in accordance with the PSI Directive

Interoperability



 Contribution to the economic development, transparency of ownership and anticorruption processes, in accordance with SEE 2020

Transparency & Economic dev.





Future development

Develop and maintain SDI

Include other stakeholders in SDI

First step of establishing a SDI

Implementing an SDI

- Metadata
- Harmonised data
- Services
- Geoporta<mark>l</mark>
- Data sharing

Introduction for other stakeholders Additional data sets

Well working SDI

Other stakeholders set up SDI components

- Metadata
- Harmonised data
- Services
- Data sharing

Coordinators
act as drivers
and support
other
stakeholders



Introduction

to SDI









http://geoportal.nipp.hr

http://geoportal.rks-gov.net

https://ippfbih.gov.ba

http://nipp.katastar.gov.mk

http://albmaps.asig.gov.al

http://www.geoportal.co.me

http://www.geosrbija.rs/

http://www.geoportal.rgurs.org/

Thanks for your attention

