



## **Implementing a National Spatial Data Infrastructure for a Modern Kosovo**

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### **FIG WORKING WEEK**

*“From the wisdom of the ages to the challenges of modern world”*


**Sofia, Bulgaria, 17 - 21 May 2015**



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- ✓ **Geoportal;**
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- ✓ **Vision Statement of Strategy for NSDI;**
- ✓ **Mission Statement**
- ✓ **Strategic objectives of the NSDI;**
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## Republic of Kosovo on the map of Europe



■ AREA	10 905 km <sup>2</sup>
■ BORDER LINE	744 km
■ CADAS. ZONES	1305
■ MUNICIPALITIES	38
■ MCO	38
■ CADAS PARCELS	2 mil.
■ OWNERS	490 000

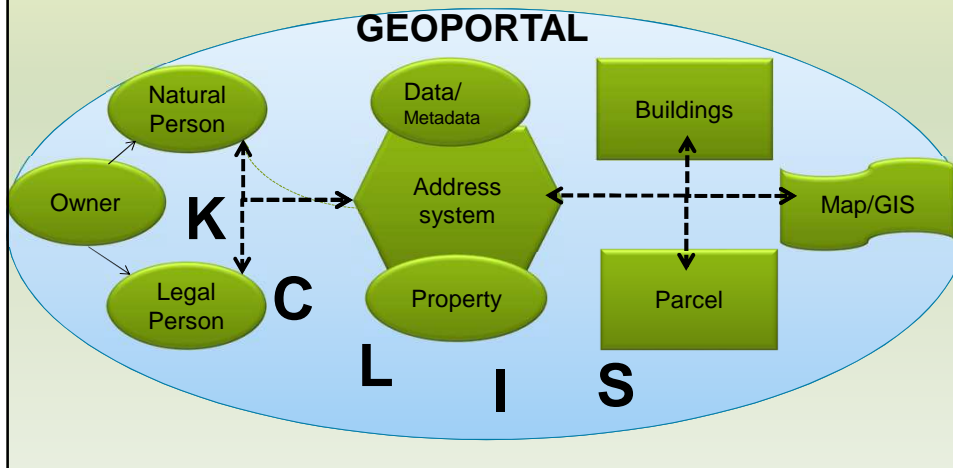


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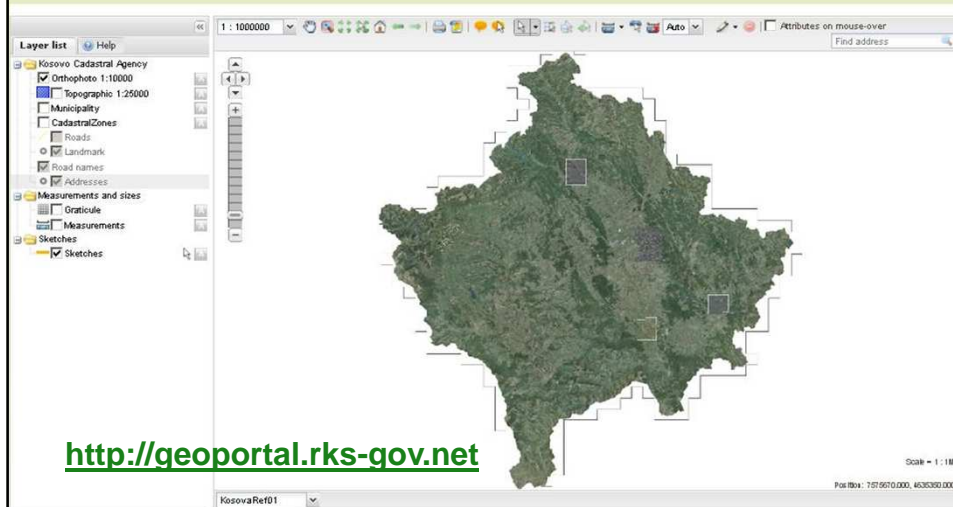
### Developments towards NSDI in Republic of Kosovo

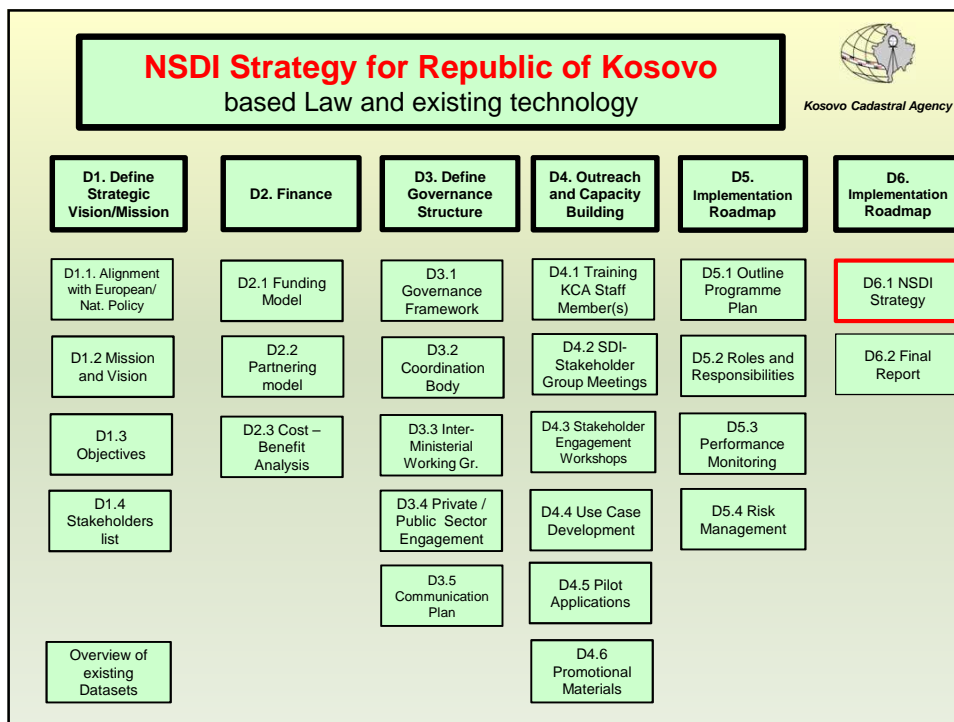

- ◆ According to the Law on Cadastre No.04/L-013, article 23, KCA is responsible for coordination and creation of NSDI in Kosovo;
- ◆ Inter-ministerial Committee for LA and NSDI;
- ◆ Strategy for NSDI with a clear roadmap for implementation of INSPIRE Directive
- ◆ KCLIS, is a unified system for multi-purpose use, Kosovo wide in cooperation with data providers and users;
- ◆ Unified address register for whole country is in place;
- ◆ National GeoPortal is functional from 2012 etc.

### Concept of NSDI through GEOPORTAL



### Geoportal:



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## Vision Statement of Strategy for NSDI

*“The Kosovo NSDI will make harmonized and high quality geographic information readily available for formulating, implementing, monitoring and evaluating policies and for the citizen to access spatial information, whether local, national or international”*



## Mission

*“To establish a technological, institutional, legal and administrative framework for inter-organisational collaboration that will:*

- *Be in line with the INSPIRE Directive*
- *Support e-Governance and institutionalisation*
- *Integrate geo-information from different sources into one infrastructure*
- *Avoid duplication of spatial data acquisition*
- *Establish effective business processes*
- *Meet the needs of the stakeholders*
- *Promote the access, sharing, use and distribution of spatial data”.*



## Objectives:

### Strategic objectives of the NSDI

“The Kosovo NSDI should achieve the following objectives:

- **Making available relevant, harmonised and quality geographic information** for the purpose of formulation, implementation, monitoring and evaluation of (environmental) policy-making and for the citizens, along the lines of the general principles:
- **Establish from the onset cross-sectorial co-ordination mechanisms**, the initiative wants to ensure that in the longer term, the NSDI can be integrated into a broader cross-sectorial National Spatial Data Infrastructure (NSDI), aiming at providing geographic information for the purpose of national policy-making in a broad range of sectors, such as transport, agriculture.”

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## List of Key Stakeholders

Name NSDI-Stakeholder		Data provider	Law mentioned
Association of Kosovo Municipalities			X
Independent Commission for Mines and Minerals		Yes	X
Kosovo Agency of Statistics		Yes	X
Kosovo Cadastre Agency		Yes	X
Ministry of Environment and Spatial Planning	Environmental Protection Agency of Kosovo/ Kosovo Institute for Nature Protection	Yes	
	Environmental Protection Agency of Kosovo/ Institute for Spatial Planning	Yes	
	Environmental Protection Agency of Kosovo/ Hydrometeorological Institute	Yes	
Kosovo Property Agency			X
Ministry of Agricultural, Forestry and Rural Development		Yes	X
Ministry of Culture, Youth, Sports and Non-Resident Issues			X
Ministry of Economic Development (Geological Survey of Kosovo/ Kosovo Agency for Energy Efficiency)			X
Ministry of Health		Yes	
Ministry of Internal Affairs			X
Ministry of Infrastructure		Yes	X
Ministry of Kosovo Security Force			X
Ministry of Local Government Administration			X
Ministry of Public Administration			X
Ministry of Trade and Industry		Yes	X
Privatisation Agency of Kosovo			X
Association of Water companies		Yes	
Post & Telecom of Kosovo			
Utility companies (garbage, sewage)			

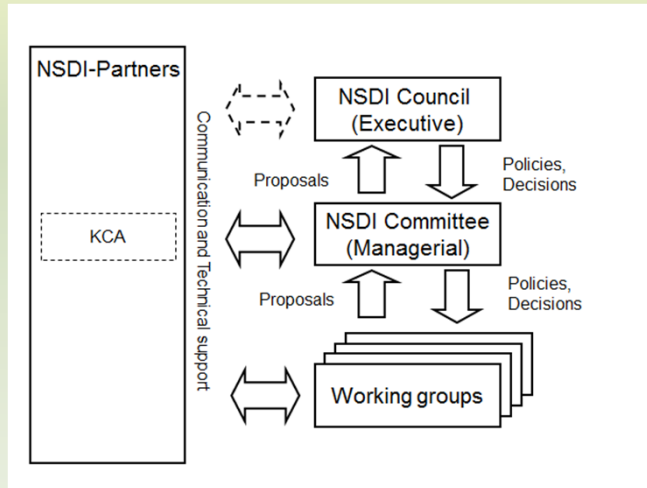
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## Cost estimates

Activity	One-time Set-up Cost (in Euros)	Ongoing Cost per year (in Euros)
1. METADATA	11,800	4200
2. DATA	231,000	7200
3. SERVICES	87,000	54,200
4. INFORMATION TECHNOLOGY	760,000	235,000
5. STANDARDISATION	5000	1800
6. GOVERNANCE		74,600
7. DATA SHARING	25,000	5000
8. CAPACITY BUILDING	15,000	10,000
9. APPLICATIONS	106,800	
10. OUTREACH	5700	10,700
11. PERFORMANCE MANAGEMENT	2400	1200
12. RESEARCH		25,000
13. UNFORESEEN	50,300	21,100
<b>TOTAL</b>	<b>1,300,000</b>	<b>450,000</b>

## Proposed Governance and Institutional Framework



## Next steps

### Implementation of the NSDI-strategy

- Roadmap with a clear time schedule of actions
- Definition of Roles and Responsibilities
- Defining/Applying key performance indicators for monitoring the implementation progress
- Defining key risks on the implementation of the NSDI

### Political commitment,

- Organizing high-level event for presenting the strategy
  - *Stimulate the NSDI-debate among decision-makers*
  - *Opportunity to place SDI as a topic on the political agenda*



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**Thank you for your attention!**