



National SDI Report 2017 for Kosovo

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Project Description

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Annual BESTSDI National SDI Report serves to strengthen ties with SDI stakeholder in partner countries, raise visibility of the project, provide information to Project Advisory Committee (PAC)

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BESTSDI

BESTSDI – Western Balkans Academic Education
Evolution and Professional's Sustainable Training for
Spatial Data Infrastructures

*With the support of the Erasmus+ program:
Higher Education – International Capacity Building
N° 574150-EPP-1-2016-1-HR-EPPKA2-CBHE-JP*

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Table of Contents

1. INTRODUCTION	4
2. SDI STATUS IN KOSOVO.....	4
2.1 NSDI IN KOSOVO	4
2.2 NSDI STAKEHOLDER	5
2.3 ROLE OF UNIVERSITIES IN NSDI	5
2.4 NSDI DEVELOPMENT	5
3. SDI AND HIGH EDUCATION STATUS IN KOSOVO	5
3.1 STATUS ANALYSIS.....	5
3.2 EVALUATION OF PRESENT SITUATION	5
4. BESTSDI REQUIREMENT ANALYSIS	6
4.1 REQUIREMENT ANALYSIS	6
4.2 EVALUATION OF REQUIREMENTS	6



1. Introduction

The project "Western Balkans Academic Education Evolution and Professional's Sustainable Training for Spatial Data Infrastructures" - BESTSDI is accepted for funding within the ERASMUS + KA2 Capacity Building and Higher Education Program in 2015. The project budget is 978,166.66 and one of the 147 selected among the total of 736 submitted applications. The project is lead by the Geodetic Faculty of the University of Zagreb with project partners; Catholic University Leuven (B), University of Split (HR), Ss. University of Cyril and Methodius in Skopje(MK), Bochum University of Applied Sciences (D), Polytechnic University of Tirana (AL), Agricultural University of Tirana (AL), University of Banja Luka (BiH), University of Mostar (BiH), University of Sarajevo (BiH), University of Tuzla (BiH), University for Business and Technology Prishtina (XK), University of Montenegro (MN), University of Belgrade (RS), University of Novi Sad (RS) and the University of Prizren "Ukshin Hoti" (XK), as well as associates Federal Geodetic Administration and Property Affairs of FBiH (BiH), Republic Geodetic Authority and Property rights of the Republic of Macedonia (BiH) and the Cadastre Agency of the Republic of Macedonia (MK).

The goal of the BESTSDI project is to improve curricula at partner universities through the introduction of the concepts of spatial data infrastructure (SDI) and e-government, as well as the expansion of concepts digital concepts in managing spatial data and its networking infrastructure, followed by standards and quality. The duration of the project is 3 years starting on October 15, 2016.

The main purpose of this Annual National Report on Spatial Infrastructure within BESTSDI is to provide information on activities carried out through national tasks coordination within the work package T5.3. This report includes a description of the current state of the Spatial Data Infrastructure (SDI) in Republic of Kosovo, SDI in higher education in Kosovo and analysis of projects of BESTSDI. The SDI status considers the legislation, the organizational aspect (bodies and responsible institutions), the technical organization on national infrastructure in the country, key institutions and administrative bodies, business sector, educational institutions, and end users. The role of the universities in NSDI related activities is to provide and improve know how within national organizations, including government and scientific institutions.

2. SDI status in Kosovo

2.1 NSDI in Kosovo

Kosovo Cadastral Agency (KCA) is the responsible Institution in Kosovo for coordination of activities regarding the implementation of NSDI and related standards/qualities. This agency deals with property and cadastral documentation as well as cartographic data covering topography and land cover.

2.2 NSDI stakeholder

Beside the KCA, the main NSDI stakeholders in Kosovo are: Ministry of Agriculture, forestry and Rural Development (MAFRD), Independent Commission of Mines and Minerals (ICMM), Ministry of Environment and Spatial Planning (MESp), Kosovo agency of statistics (KAS) etc. These institutions



are using appropriate IT standards in the field of spatial data, but there is a lack in the coordination and data interoperability. There is a link between the central government bodies and Municipalities, whereby the data flow between them is based in the closed circles and without similar standards and quality.

2.3 Role of Universities in NSDI

The main University activities dealing with NSDI in Kosovo are concentrated at Department of Geodesy, Faculty of Civil Engineering and Architecture, University of Prishtina, (DGUP). Another departments who deals with SDI in Kosovo are the University of Prizren and University for Business and Technology. The role of the university in the development and implementation of the NSDI lies in the transfer of the technologies between the Universities and different stakeholders as well as students. It is also obvious the contribution of the University staff in the development and drafting of laws and regulations in order to be adopted by the assembly or government bodies.

2.4 NSDI development

Describe development of NSDI in your country seen from academic point of view, emphasize good and missing things

Current development of the NSDI in Kosovo covers the discussions how technical interoperability can be achieved, how authorities should disseminate spatial data in an electronic format via ueb basen services and how they should share spatial data with other institutions. There are different actions dealing with implementation of the SDI including:

- Interoperable content and services are delivered efficiently, supporting the development of e-government in each country as well as adding value to government and local administration, all in accordance with the SDI related directives.
- Implementation of the INSPIRE directive, in order to support the Education, economic development, transparency and anticorruption processes etc.

3. SDI and High education status in Kosovo

3.1 Status Analysis

The current status of the SDI in the level of High degree University level is very low and this lies in the structure of the departments within Universities. The geodetic department at the University of Prishtina has been established in 2003 and it is on the way of the consolidation.

3.2 Evaluation of present situation

As it is mentioned on point 3.1, it will be necessary to improve the educational organisation chart within the Universities and other High level educational institutions.



4. BESTSDI Requirement Analysis

4.1 Requirement Analysis

For the purpose of the Requirement analysis, a number of 114 questionnaires have been realized. In the statistic test have participated: Central agencies (36%), Municipal departments (25%), Educational institutions (12%), Individual users (17%) and private companies (10%).

Most of the participants have concluded that they are informed about SDI but they do not have deep knowledge about it.

The participants which have been asked comes from the field of:

- 45% land management and cadaster
- 22% Agriculture and rural development
- 15% Forestry
- 11% Spatial planning and land protection
- 7% others

It is evident the needs for further information campaigns and related trainings in the field of SDI and the role of the Universities could be crucial one.

When asked about language courses on geoinformation and SDI, majority agree that they should be on the native language (55%), 42% thinks that the Internet based materials are very important for further training.

4.2 Evaluation of requirements

Statistic data are relevant in order to understand the current situation of the SDI and how should relevant institutions deal with.