

# SUPPORT TO INTRODUCTION AND DEVELOPMENT OF GEOGRAPHIC INFORMATION SYSTEMS



**EUPRO**  
EUROPEAN UNION SUPPORT  
TO MUNICIPAL DEVELOPMENT



**UN OPS**  
Implementing partner



## PREPARATORY ACTIVITIES

OCTOBER- DECEMBER 2018



**8** INFO SESSIONS  
AND TRAININGS

**157** PARTICIPANTS

## EVALUATION PROCESS

JANUARY- MARCH 2019

RECEIVED



**33** APPLICATIONS

**50** LOCAL  
SELF-GOVERNMENTS

THE CALL FOR PROPOSALS WAS OPEN FROM 3 OCTOBER TO 30 DECEMBER 2018

## RESULTS

APPROVED



**19** PROJECT  
PROPOSALS

**34** MUNICIPALITIES  
INCLUDED



REGION

**12** PROJECTS  
ŠUMADIJA AND WESTERN SERBIA

**7** PROJECTS  
SOUTHERN AND EASTERN SERBIA



PROJECTS

**11** MUNICIPAL PROJECTS

**8** PARTNERSHIP  
PROJECTS OF SEVERAL  
MUNICIPALITIES

## PRIORITY AREAS

- Improvement of public infrastructure, spatial and urban planning, public property inventory and valuation
- Attracting investments, rehabilitation/development of brownfield and greenfield locations, underused and deprived land, agriculture and rural development
- Preservation and valorisation of natural, cultural, architectonic and urban heritage, tourism development
- Environmental protection, climate change adaptation, risk prevention and management, energy efficiency



TOTAL VALUE OF APPROVED  
PROJECTS **EUR 2,049,149**

EU PRO PROGRAMME  
CONTRIBUTION **EUR 1,697,204**



EU PRO provides support to local self-governments in the process of introducing and developing GIS by procuring software and hardware, and computer equipment, with special focus on the training of the employees in local administrations. With the introduction of geographic information systems the local governments will improve their work, better plan land management, assess and utilise socio-economic potentials and provide services to citizens and investors in more efficient manner.

No.	LEAD LSG / PARTNER LSG	PROJECT TITLE	CONTRIBUTION	PROJECT DESCRIPTION
1.	<b>ČAJETINA</b>	<b>GIS for Better Land Management and Valorisation of Socio-economic Potential of the Čajetina Municipality</b>	EU PRO <b>EUR 45,500</b> Local self-government <b>EUR 8,390</b>	Municipality of Čajetina will upgrade its current GIS with the planning documents, the cadastre of underground installations and basic services and the protocols for the information exchange. As Zlatibor Tourist Centre and its natural potential are attracting a growing number of investments especially in the construction sector the project will enable efficient response mechanisms to address the increasing number of permit requests and resolving the legalisation cases.
2.	<b>ČAČAK</b> ARILJE, GORNJI MILANOVAC, LUČANI, POŽEGA	<b>Inter-municipal GIS-tool for E-government</b>	EU PRO <b>EUR 149,950</b> Local self-government <b>EUR 54,650</b>	All five LSGs - Čačak, Arilje, Lučani and Požega and Gornji Milanovac, located in Western Serbia Tourism Region will improve the current services and activities and optimally use existing resources to promote and market local touristic potentials. Additionally, agriculture and rural development, communal infrastructure and property management remain priority sectors for all five LSG partners.
3.	<b>KRAGUJEVAC</b> KNIĆ, REKOVAC	<b>Development of GIS in Kragujevac, Knić and Rekovac (Three 4 GIS)</b>	EU PRO <b>EUR 146,000</b> Local self-government <b>EUR 25,782</b>	The City of Kragujevac will improve its existing GIS and extend the use to include neighbouring municipalities of Knić and Rekovac which also lack spatial information to address waste management issues. The system will also map the cultural and tourism potentials of the region and enable creation of Investment layers in Kragujevac and cultural and historical heritage layers for municipalities of Knić and Rekovac. The local tourist potential will be promoted online and available to tourist agencies and citizens in order to increase the number of visitors.
4.	<b>KRALJEVO</b>	<b>GIS in the Function of Sustainable Management and Protection of Natural Resources</b>	EU PRO <b>EUR 84,150</b> Local self-government <b>EUR 15,350</b>	The GIS database and applications for Kraljevo City will be established to integrate the risk monitoring and evaluation system as a part of effective fire response mechanisms. The preventive measures will protect this territorially largest area in Serbia (1530 km <sup>2</sup> ) 48% of which is forested and will have a positive impact on the biodiversity and greenhouse emissions while reducing the occurrence of forest fires. Subsequently the fire safety for the population will increase effective mechanisms for early warning and emergency intervention established.
5.	<b>KRUŠEVAC</b> ALEKSINAC	<b>Improvement of GIS in the City of Kruševac and the Municipality of Aleksinac</b>	EU PRO <b>EUR 88,200</b> Local self-government <b>EUR 15,700</b>	Kruševac City and Aleksinac Municipality have already established GIS, hardware and software, collected and uploaded geospatial data, spatial and urban plans generated and trained personnel already exist. The additional development requires procurement of specialised application to create mechanisms for management and monitoring of public property, which will ensure reduction of maintenance costs and provision of better services of local administration.
6.	<b>LESKOVAC</b> BOJNIK	<b>Valorisation and Increase of Recognition of the Tourist Potential of the City of Leskovac and the Municipality of Bojnik through Regional GIS Portal</b>	EU PRO <b>EUR 74,900</b> Local self-government <b>EUR 13,230</b>	The existing GIS in Leskovac was last updated in 2016 by entering data on brownfield and greenfield industrial sites. The new GIS application will enable detailed presentation of the significant cultural and natural heritage of the Leskovac and Bojnik as part of the tourist offer to support the local tourism development. Through the inter-municipal project the existing hardware, communication and software structure in Leskovac will be used jointly.
7.	<b>LOZNICA</b> KRUPANJ, LJUBOVIIJA, MALI ZVORNIK	<b>Introduction of GIS in four LSGs in Podrinje Sub-region</b>	EU PRO <b>EUR 110,357</b> Local self-government <b>EUR 22,000</b>	The GIS project will generate, now absent, integrated database in the four LSGs – Loznica, Krupanj, Ljubovija and Mali Zvornik. In addition to joint inter-municipal application for tourism, the separate applications for risk prevention and public property management will be developed in Loznica, while Krupanj, Mali Zvornik and Ljubovija will develop public infrastructure application.

<sup>1</sup> The projects are listed according to the alphabetic order of the names of the local self-governments

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8.	<b>NIŠ</b>	<b>Improvement of GIS of the City of Niš</b>	EU PRO <b>EUR 86,200</b> Local self-government <b>EUR 19,500</b>	GIS in Niš City is a decade old and does not support the cutting edge tools needed for the modernisation of citizen orientated services. New GIS project will enable planning support, implementation and monitoring of territorial development through improvement of institutional and human capacities as well as the continuous upgrade of GIS.
9.	<b>NOVI PAZAR TUTIN</b>	<b>GIS as a Tool for More Competitive Development of Novi Pazar and Tutin</b>	EU PRO <b>EUR 122,090</b> Local self-government <b>EUR 21,900</b>	Novi Pazar, a GIS holder, and Tutin are neighbouring LSGs located in the Raška District. The common inter-municipal problems are related to spatial issues, while separately cadastre of underground installations in Novi Pazar and a unified and updated spatial database in Tutin are missing. The project is focused on improving and establishing of an integrated GIS for the two LSGs. The analysis of spatial and other data and elaboration of specialised applications will provide better management of existing resources and their promotion to attract investments.
10.	<b>PARAĆIN</b>	<b>The Development of GIS in Paraćin Municipality</b>	EU PRO <b>EUR 74,580</b> Local self-government <b>EUR 16,780</b>	Contributing to better management of the resources and investments in the municipality of Paraćin and to higher efficiency and quality of services provided to citizens and business, towards building the status of a smart city. The efficient system of data management and communication refers to specific sectors of spatial planning, valorisation of cultural and urban heritage, tourist resources, public property and economic potentials for attraction of investments.
11.	<b>POŽAREVAC VELIKO GRADIŠTE</b>	<b>Enhancing Preconditions for Utilisation of Local Socio-economic Potentials through GIS in Požarevac and Veliko Gradište</b>	EU PRO <b>EUR 59,750</b> Local self-government <b>EUR 10,600</b>	Požarevac City and Veliko Gradište Municipality identified common interest in developing versatile tourism potential while separately Požarevac relies on its agricultural sector and Veliko Gradište on its business sector. The joint action will put focus on tourism development, support agriculture development in Požarevac and contribute to promotion of investments in Veliko Gradište.
12.	<b>RAČA BATOČINA, LAPOVO</b>	<b>The Development of GIS in Rača, Batočina and Lapovo municipalities</b>	EU PRO <b>EUR 148,700</b> Local self-government <b>EUR 26,600</b>	The GIS project in the neighbouring municipalities of Rača, Batočina and Lapovo will enhance inter-municipal cooperation for efficient urban and spatial planning and management of communal infrastructure. Additionally the separate applications will be developed for the management of public property in Rača, for agriculture – beekeeping and effective flood management in Batočina and application for the promotion of working zones in the municipality of Lapovo. This will enhance overall socio-economic development.
13.	<b>RAŠKA</b>	<b>Raška reGIStration" - GIS System to improve the Urban Planning and LED</b>	EU PRO <b>EUR 84,750</b> Local self-government <b>EUR 17,645</b>	Raška Municipality will establish a specialised GIS application - Tourist Map of Raška Municipality to present the tourist capacities of the municipality and to access relevant spatial information catering to potential investors. The existing GIS unit with trained personnel and necessary equipment established in 2017 to improve the local urban planning, land management and general municipal services will be upgraded to encompass extensive database.
14.	<b>ŠABAC</b>	<b>GIS as a Smart City Service</b>	EU PRO <b>EUR 68,300</b> Local self-government <b>EUR 17,520</b>	Šabac City GIS was established in 2006, and while operative, the equipment is severely outdated. Šabac comprises of 76% agricultural land while the processing industry is encouraged. GIS project will establish web application to provide comprehensive, interactive "Poljoportal" relevant information to all of the sector stakeholders (registered agricultural households, associations and cooperatives, business entities). Department for Agriculture manages all of the local agricultural data and programmes.

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No.	LEAD LSG / PARTNER LSG	PROJECT TITLE	CONTRIBUTION	PROJECT DESCRIPTION
15.	<b>SOKOBANJA</b>	<b>Tourist Investment through GIS in Sokobanja</b>	EU PRO <b>EUR 70,950</b> Local self-government <b>EUR 12,900</b>	The GIS project, in a form of web portal, will attract investments and increase tourism appeal in a recognised tourist destination of Sokobanja, through development of specialised applications which will provide relevant spatial information to potential investors primarily interested in the construction of apartment buildings. Additionally, information on hiking trails, gastronomy, cultural and historical monuments, natural attractions and accommodation will become available for tourists.
16.	<b>TOPOLA</b>	<b>Power of GIS for Sustainable Socio-economic Development of the Topola Municipality</b>	EU PRO <b>EUR 82,790</b> Local self-government <b>EUR 14,734</b>	GIS project will develop specialised spatial and urban planning applications to allow for evidenced based planning and decision making, improvement of public infrastructure, attraction of investments, tourism development, and more effective and efficient protection of social assistance users.
17.	<b>VRANJE</b>	<b>Improvement of GIS Vranje through Integration of New Design Services</b>	EU PRO <b>EUR 76,000</b> Local self-government <b>EUR 15,514</b>	The City of Vranje previously introduced GIS in order to attract investments i.e. boost economic development through identification and promotion of its development potential. Improved GIS will provide the data regarding constructed and planned infrastructure, urban planning conditions, cadastre parcels, streets, available parking spaces allowing for the improved data available for future investors, with special focus on mapping the locations for renewable solar energy.
18.	<b>ŽAGUBICA</b>	<b>Promoting of Local Beekeepers, Cultural Heritage and Natural Beauties of the Municipality of Žagubica through GIS</b>	EU PRO <b>EUR 61,000</b> Local self-government <b>EUR 10,960</b>	The Territory of the Municipality Žagubica provides favourable conditions for beekeeping that has become one of the priority branches of development in this region. In 2008 "Homoljski med" received the geographical protection certification while 120 operational beekeepers were registered, with over 5,300 beehives. The project will enable mapping of pastures and hives through GIS to support honey production by creating the possibility for equal distribution and covering of pasture areas. In addition, mapping of cultural and natural heritage will contribute to the increase in number of tourists, as well as ensure prerequisite to obtain funds for improvement and preservation. Through mapping of water supply system, conditions will be created for faster implementation of the reconstruction.
19.	<b>ZAJEČAR</b>	<b>Introduction and Development of GIS in the City of Zaječar</b>	EU PRO <b>EUR 63,037</b> Local self-government <b>EUR 12,190</b>	Establishing a one stop-shop in Zaječar City where all necessary information related to the capacity of the cadastral plot are available to its citizens and potential investors while a special focus is on mapping of public lightning and underground installations. Ultimately the project is aimed at attracting investments that will result in job creation and improved living standard.
<b>TOTAL CONTRIBUTION</b>			EU PRO	<b>1,697,204 EUR</b>
			Co-funding	<b>351,945 EUR</b>
			<b>TOTAL</b>	<b>2,049,149 EUR</b>

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