



SOCIO-ECONOMIC BENEFITS OF THE NSDI IN THE REPUBLIC OF SERBIA

19.05.2021

The top of the slide features a close-up of the Serbian flag, showing the red, blue, and white horizontal stripes and the coat of arms on the left.

INTRODUCTION

- Conducted within WB project "Improvement of land administration in Serbia" in the period June 2020-April 2021.
- The main objective of the study was to present a clear and concise analysis of the socio-economic benefits of the NSDI, aligned with the UN-IGIF and the EU INSPIRE Directive.
- The outcomes of this study include:
 - Report on Geospatial Alignment to Policy Drivers;
 - Report on the Socio-Economic Benefits Study of the Serbian NSDI;
 - NSDI Strategic Action Plan; and
 - Proposal for improving the Strategy for the Development of the Serbian NSDI.



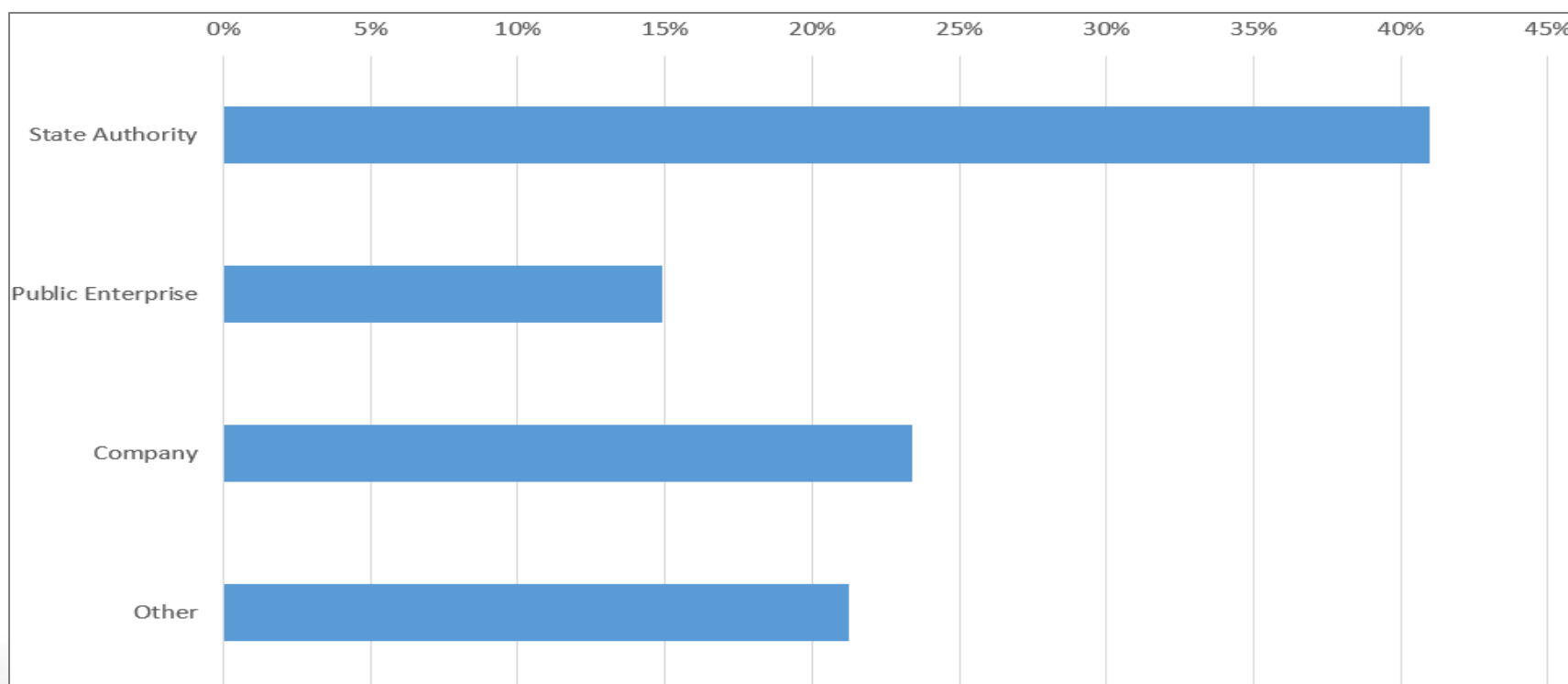
SOCIO-ECONOMIC BENEFITS STUDY OF THE NSDI IN SERBIA

- Aimed to identify the current situation of the NSDI from the perspective of key NSDI actors and stakeholders in regard to the socio-economic benefits of the Serbian NSDI (including the benefits for recent investments made) to the society and the organizations.
- A review of recent international studies and good practices on socio-economic NSDI benefits was conducted.
- Recent investments in geospatial data made by the Serbian Government were also observed.
- NSDI-benefits in regard to EU Accession requirements appear to be more societal than organizational in nature.



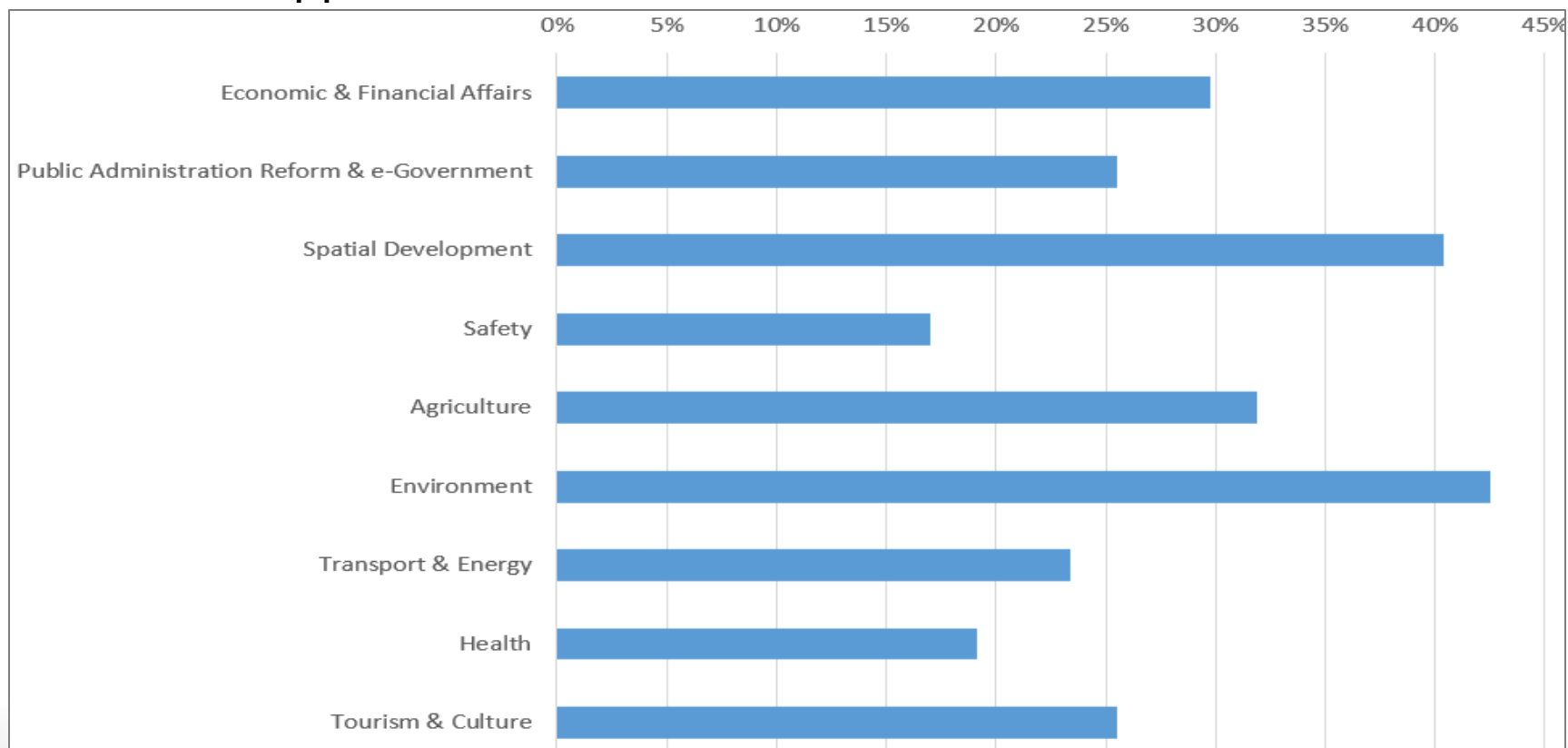
SOCIO-ECONOMIC BENEFITS STUDY OF THE NSDI IN SERBIA

The target group involved a total number of 56 identified key NSDI actors and stakeholders (46 responses from 40 organizations were received).



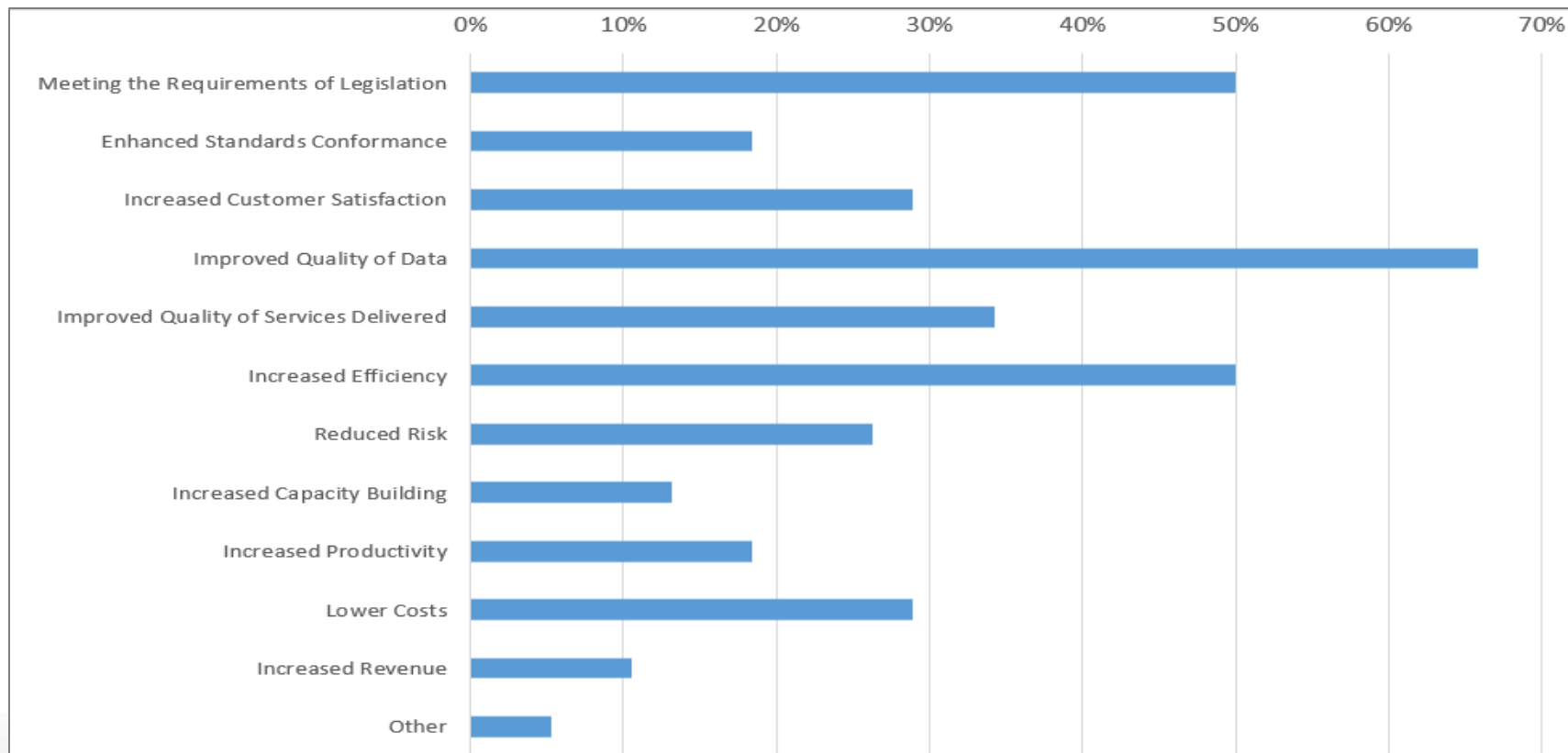
SOCIO-ECONOMIC BENEFITS STUDY OF THE NSDI IN SERBIA

Response to key thematic policies areas in which geospatial data and services are applied in.



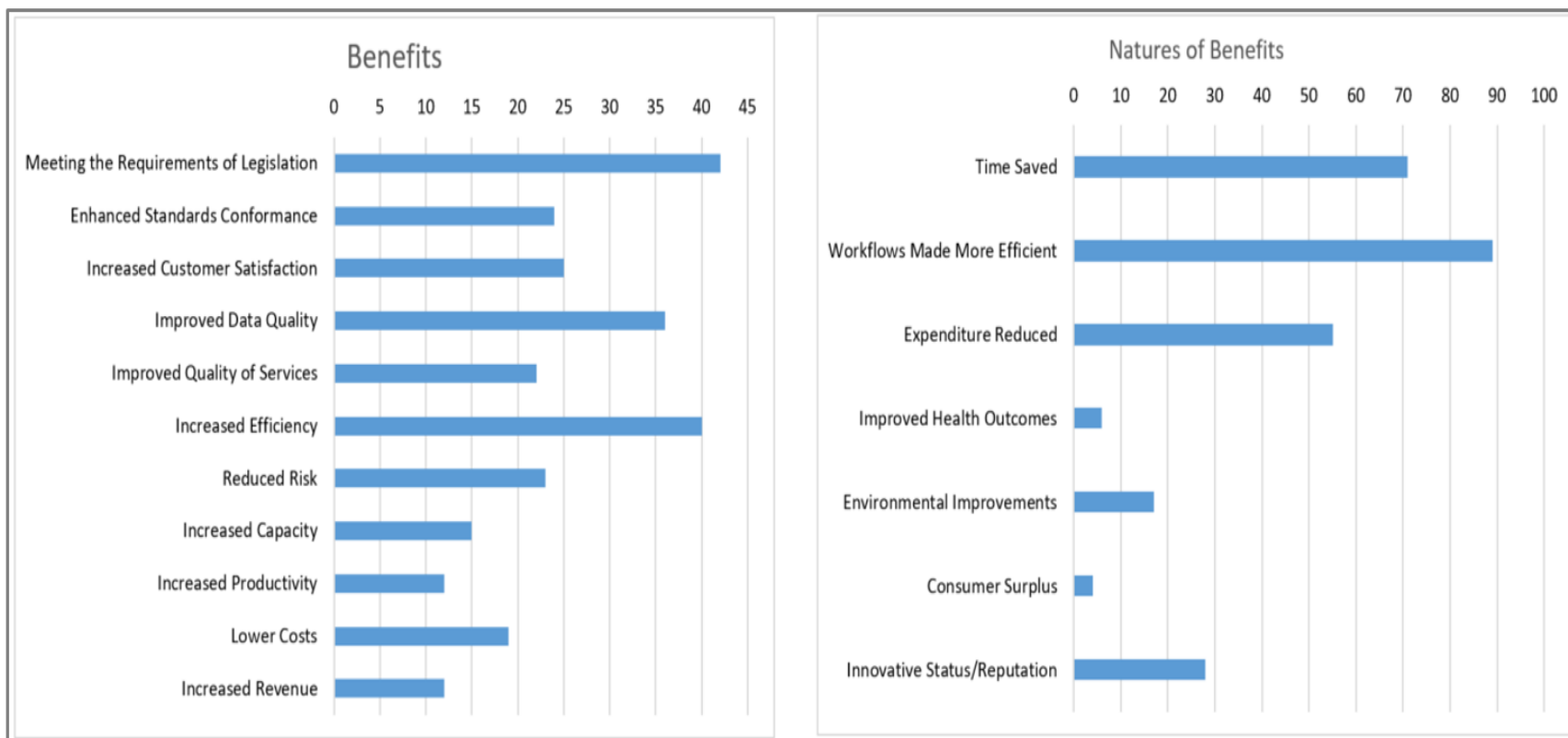
SOCIO-ECONOMIC BENEFITS STUDY OF THE NSDI IN SERBIA

Response to experienced overall benefits of the Serbian NSDI (geospatial data)



SOCIO-ECONOMIC BENEFITS STUDY OF THE NSDI IN SERBIA

Types and nature of the key main experienced benefits of the Serbian NSDI (geospatial data)





SOCIO-ECONOMIC BENEFITS STUDY OF THE NSDI IN SERBIA

- Quantitative figures regarding geospatial data benefits:

- **‘Meeting the requirements of legislation’**

Tax Administration: 4,013 more cases/requests that are solved at monthly level leading to increase in tax income by an average of 65,3M RSD;

- **‘Improved the quality of data’**

Ministry of Construction, Transport and Infrastructure - Sector for Spatial Planning and Urbanism: An average of 20% time saved for preparing the spatial planning document and an average of 30% reduction of the cost of preparation of the spatial planning document;

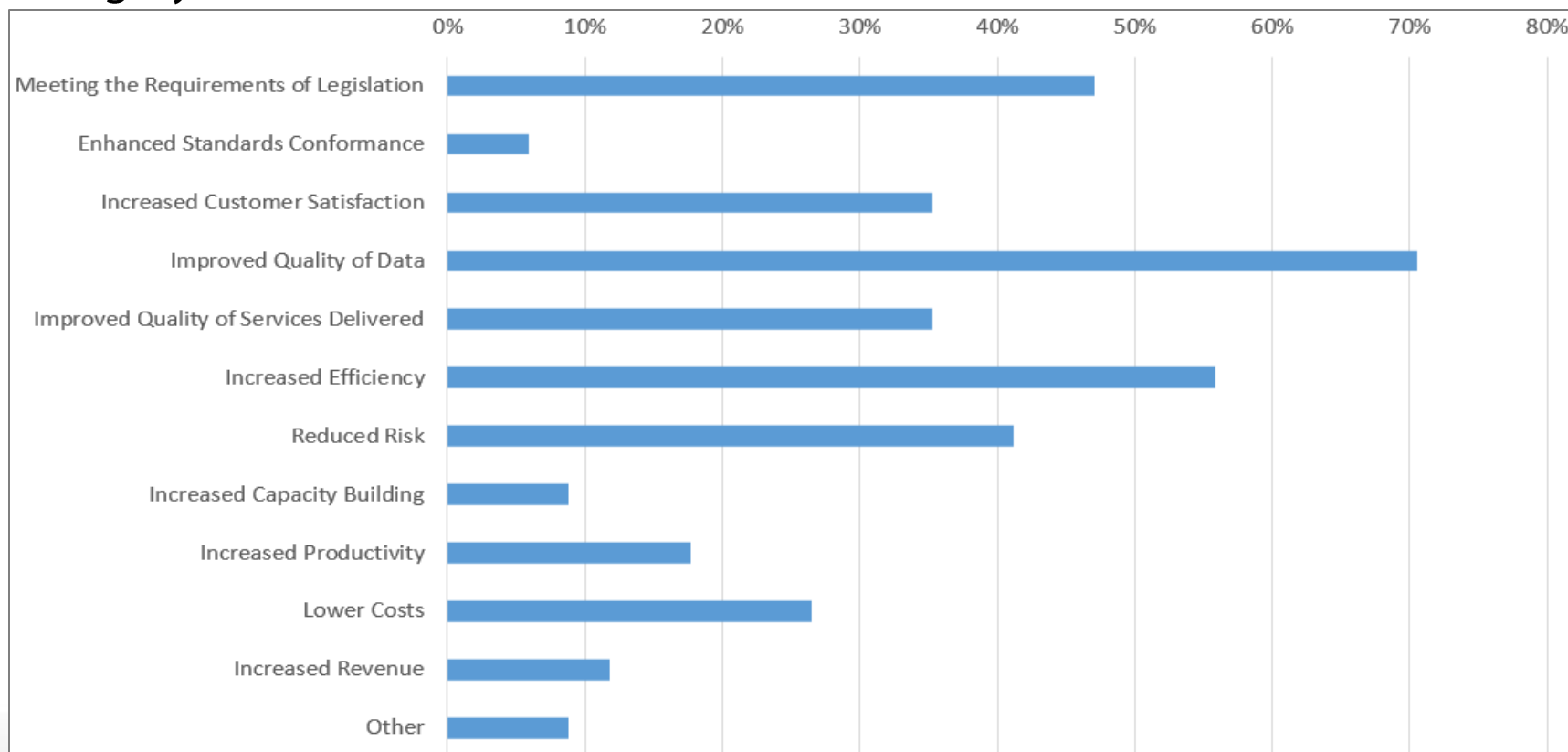
- **‘Increased efficiency’**

Ministry of Culture and Media: Time saved by 30% due to faster data access and analysis. Lowered costs based on the decreased scope of work amount to an average of 2M RSD/month.



SOCIO-ECONOMIC BENEFITS STUDY OF THE NSDI IN SERBIA

Response to experienced overall benefits of the Serbian NSDI (satellite imagery)



SOCIO-ECONOMIC BENEFITS STUDY OF THE NSDI IN SERBIA

Types and nature of the key main experienced benefits of the Serbian NSDI (satellite imagery)





SOCIO-ECONOMIC BENEFITS STUDY OF THE NSDI IN SERBIA

- Quantitative figures regarding satellite imagery benefits:

- **‘Meeting the requirements of legislation’**

Standing Conference of Towns and Municipalities : For the needs of formalization of illegally built objects, average processing time for 30 cases is reduced by 2-3h and can be done from the office, saving costs and lowering pollution from cars;

- **‘Improved the quality of data’**

PE for Forest Management “Vojvodinašume”: Improved planning reduces damage by 15% compared to the total potential damage in forests from natural disasters;

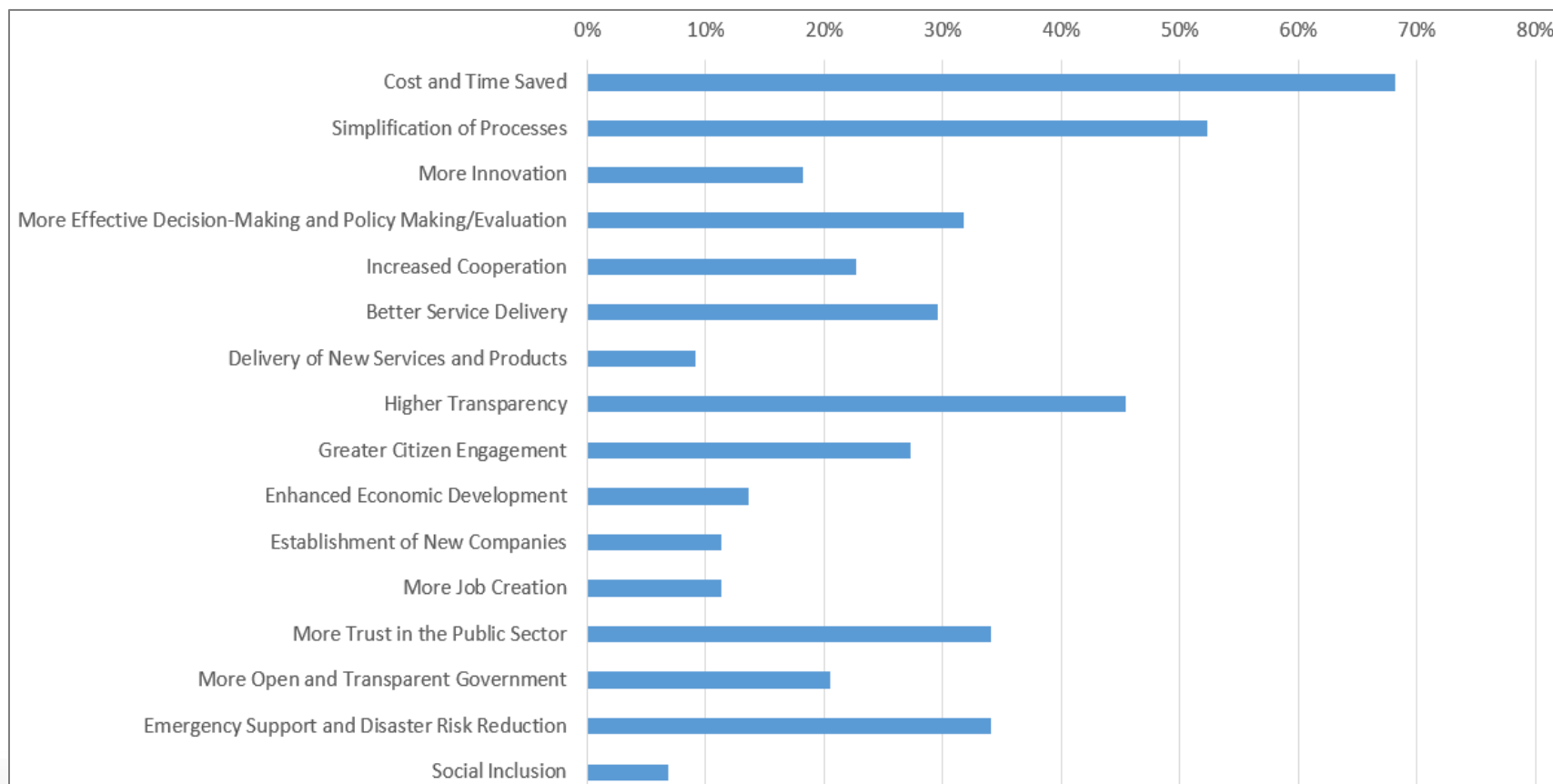
- **‘Increased efficiency’**

MK Group LLC.: Number of field trips was reduced by 5% in order to assess the condition of crops, working hours of agronomists and fuel consumption were reduced, which also affected the reduction of CO2 emissions from cars.



SOCIO-ECONOMIC BENEFITS STUDY OF THE NSDI IN SERBIA

Response to societal benefits of the Serbian NSDI





SOCIO-ECONOMIC BENEFITS STUDY OF THE NSDI IN SERBIA

- Future NSDI-benefits appear to be rather similar as the ones identified for the current NSDI:
 - Main organizational benefits for the future NSDI are improved data quality, increased efficiency and meeting the legal requirements; and
 - Cost and time savings and process simplifications are considered key societal benefits of the future NSDI.
- Associated costs are not heavily experienced by the key actors and stakeholders as they mainly see the benefits.
- NSDI-benefits are significantly higher than the costs and the costs mainly refer to human capacity, software licenses and additional datasets.
- Costs are mainly covered by the state budget and financing alternatives for covering the costs are limited.





**THANK YOU
FOR YOUR ATTENTION!**



www.rgz.gov.rs
www.geosrbija.rs

