

LOGICAL FRAMEWORK MATRIX – LFM

<p>Wider Objective: <i>What is the overall broader objective, to which the project will contribute?</i></p> <ul style="list-style-type: none"> • Strengthening the position of Serbian universities within the international research arena through the implementation of open access, open data and open methodology principles and the advancement of research dissemination, transparency, accountability, and inclusiveness 	<p>Indicators of progress: <i>What are the key indicators related to the wider objective?</i></p> <ul style="list-style-type: none"> • Improved awareness about the benefits of the open science framework among various actors of the scientific communication process • Increased visibility of Serbian scientific production and improved efficiency of knowledge dissemination • Institutional capacities built for the full and efficient application of open science principles in higher education and research 	<p>How indicators will be measured: <i>What are the sources of information on these indicators?</i></p> <ul style="list-style-type: none"> • National and institutional standards, policies and regulations for open science. • Visibility and availability of research outputs by Serbian researcher • Proportion of open access publications in a total productivity • Improved communication among researchers, industry, and community 	
<p>Specific Project Objective/s: <i>What are the specific objectives, which the project shall achieve?</i></p> <ul style="list-style-type: none"> • Developing and improving national and institutional regulations and guidelines which will underpin the open science principles in Serbian higher education and research. • Fostering the process of university functional integration through the establishment of digital repositories and the national open science platform • Building institutional and personal capacities for continuous implementation of open science principles and evaluating the impact of publicly funded research 	<p>Indicators of progress: <i>What are the quantitative and qualitative indicators showing whether and to what extent the project's specific objectives are achieved?</i></p> <ul style="list-style-type: none"> • Coordination and agreement on national and institutional standards, regulations, and guidelines for the implementation of open science principles • Reinforced university integrative function through the establishment of digital repositories at each Serbian university. • Increased institutional capacities for providing the efficient support to researchers in terms of implementation of open science principles in education and research. 	<p>How indicators will be measured: <i>What are the sources of information that exist and can be collected? What are the methods required to get this information?</i></p> <ul style="list-style-type: none"> • Recommendations for the creation of guidelines and directives for successful implementation of open science principles in research and education published on the website of the Ministry for Education, Science and Technological Development for all HEIs. • University decisions, regulations, guidelines and recommendations as integral parts of the university open science strategy. • Advanced services from the central university level providing efficient support to open science. 	<p>Assumptions & risks: <i>What are the factors and conditions not under the direct control of the project, which are necessary to achieve these objectives? What risks have to be considered?</i></p> <ul style="list-style-type: none"> • Lengthy procedures in the process of adopting national legislative and amendments to the current national regulations in Serbia. • Loose structural and functional integration of Higher Education Institutions in Serbia. • Users' motivation and readiness to recognize the importance of open science approach.

<p>Outputs (tangible) and Outcomes (intangible):</p> <ul style="list-style-type: none"> • Please provide the list of concrete DELIVERABLES - outputs/outcomes (grouped in Workpackages), leading to the specific objective/s.: <p>WP1 MAPPING OF THE CURRENT OPEN SCIENCE POTENTIALS AT SERBIAN UNIVERSITIES</p> <p>P.1 Report on the existing open science legislatives and incentives</p> <p>P.2 Report on the current open science practice and related information infrastructures.</p> <p>P.3 A set of preliminary directions and standards regarding the open science principles</p> <p>P.4 Required IT infrastructure</p> <p>WP2 DEVELOPING AND ADJUSTING GUIDELINES, POLICIES, AND INCENTIVES</p> <p>A.1 Report on EU open science practices and transfer of knowledge and skills</p> <p>A.2 National policy of open science</p> <p>A.3 Institutional policies of open science</p> <p>A.4 Recommendations for the national open science policy</p> <p>WP3 INFRASTRUCTURAL SUPPORT FOR THE OPEN SCIENCE PRINCIPLES</p> <p>B.1 Report on the EU standards related to open science services</p> <p>B.2 National standards for the open science services</p> <p>B.3 Integrated system of institutional repositories</p>	<p>Indicators of progress:</p> <p><i>What are the indicators to measure whether and to what extent the project achieves the envisaged results and effects?</i></p> <ul style="list-style-type: none"> • P.1 Comparative analysis on existing national legislatives and institutional incentives among EU partner countries and Serbia. • P.2 Analysis on the current state of affairs regarding the infrastructure. • P.3 A survey on the awareness and knowledge of open science principles • P.4 IT Equipment purchase • A.1 Study visit to the EU partner university. • A.2 National policies on OSP principles. • A.3 Institutional regulation of open science. • A.4 Set of recommendations to the national OSP policy. • B.1 Study visits to EU partner universities. • B.2 Set of national standards and recommendations for the development of OSP infrastructure. • B.3 An integrated system of institutional OS repositories. • B.4 Web service knowledge and technology transfer. • C.1 Study visits to EU partner universities • C.2 Number of non-governmental OSP funders. • C.3 Number of attendants at 	<p>How indicators will be measured:</p> <p><i>What are the sources of information on these indicators?</i></p> <ul style="list-style-type: none"> • PP.1 Notes on all national documents of relevant ministries, National Council of Scientific and Technological Development. • P.2 Written analysis on the current OSP infrastructure. • P.3 Preliminary structure of the workshops and seminars. • P.4 Number of IT Equipment purchased • A.1 Study visit Report. • A.2 Written guidelines for implementation of OSP. • A.3 Written institutional OSP strategies and bylaws. • A.4 Written set of recommendations to the national OSP action plan. • B.1 Study visit Reports. • B.2 Recommendations for the development of OSP services. • B.3 Number of institutional repositories developed. • B.5 Web service usage measures. • C.1 Study visit Reports. • C.2 Number of registered non-governmental OSP funders. • C.3 Number of participants at workshops. • C.4 Usefulness of methodology for OSP implementation. • Q.1 Internal quality reports, 	<p>Assumptions & risks:</p> <p><i>What external factors and conditions must be realised to obtain the expected outcomes and results on schedule?</i></p> <ul style="list-style-type: none"> • Engagement of the Ministry for Education, Science and Technological Development in charge of higher education and research to include open science principles into National Strategy for Scientific and Technological Development . • Provision of equal conditions at Serbian HEIs for the development of adequate infrastructure and conditions enabling the implementation of open science principles. • Readiness of Serbian HEIs to commit to the implementation of open science policies, strategies and tools. • Responding rate of surveyed groups • Attendance rate of targeted groups attending the workshops on the use of open science platforms.
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<p>B.4 Web service for knowledge and technology transfer</p> <p>WP4 BUILDING CAPACITIES FOR IMPLEMENTATION OF OPEN SCIENCE PRINCIPLES</p> <p>C.1 Indicators for the evaluation of research impact and the transfer of knowledge</p> <p>C.2 Registry of the non-government funders</p> <p>C.3 Training for the use of open science platforms</p> <p>C.4 Methodology for monitoring the usage of open science platform</p> <p>WP5 (QUALITY PLAN)</p> <p>Q.1 Quality reports on project actions.</p> <p>Q.2 Evaluation reports on project achievements by EU partner</p> <p>Q.3 Fine tuning of university procedures and regulations conducted in line with feedback from all the stakeholders.</p> <p>Q.4 External audit</p> <p>WP6 (DISSEMINATION AND EXPLOITATION)</p> <p>D.1 Raising awareness on open science policies</p> <p>D.2 Project website and open science webpage.</p> <p>D.3 Promotional materials design.</p> <p>E.1 Open science policies implemented.</p> <p>E.2 Advanced support system for implementation of open science at</p>	<p>trainings.</p> <ul style="list-style-type: none"> • C.4 Report regarding the implementation of OSP. • Q.1 Report on quality control. • Q.2 Evaluation reports on project achievements. • Q.3 Working group sessions at Partner Country universities. • Q.4 External audit report • D.1 Number of meetings and conferences organized. • D.2 Website designed and regularly maintained. • D.3 Printed promotional materials, public relation activities. • E.1 Consistency in the application of open science at Serbian HEIs. • E.2 Reinforced support systems for implementation of open science at Serbian universities. • M.1 Steering Committee and Task management groups' established • M.2 Project deliverables met in time, project helpdesk organized. • M.3 Kick-Off, Consortium meetings and Partner Country meetings organized. • M.4 Partner activities carried out in accordance with work plan. • M.5 Costs are kept to the planned budget. 	<p>ERASMUS + monitoring feedback.</p> <ul style="list-style-type: none"> • Q.2 Internal evaluation reports. • Q.3 Working group reports and amendments to procedures and regulations. • Q.4 External audit report • D.1 Conference attendance; Press clipping, promotional materials. • D.2 Website and webpage on open science. • D.3 Leaflets, brochures, project materials. • E.1 Internal monitoring of the OSP implementation. • E.2 Bibliometric indicators. • M.1 Agendas, minutes, attendance sheets, conclusions of Steering Committee and Task management groups' meetings. • M.2 Intermediate Report, Final Report, correspondence with partners/beneficiaries, modifications of the work plan. • M.3 Agendas, minutes, attendance sheets, conclusions of Kick-off, Consortium and Partner Country meetings. • M.4 Activity reports, supporting documents. • M.5 Financial reports, supporting documents, public procurement documentation. 	
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<p>Serbian universities. WP7 (MANAGEMENT) M.1 Setting up project management M.2 Reports on project management M.3 Kick-off and Consortium meetings M.4 Reports on partners' activities M.5 Financial reports and bookkeeping</p>			
<p>Activities: <i>What are the key activities to be carried out (<u>grouped in Workpackages</u>) and in what sequence in order to produce the expected results?</i></p> <ul style="list-style-type: none"> • P.1 Analyse the existing OSP policies • P.2 Analyse the current infrastructure • P.3 Analyse the attitudes towards the OSP • P.4 Building a technological infrastructure • A.1 Study visits to transfer know-how on OSP strategies in EU countries • A.2 Define a set of guidelines and directives for successful implementation of OSP • A.3 Prepare policies and adjust bylaws • A.4 Provide recommendations for the national policy for improving the OSP practices • B.1 Study visit to to transfer knowledge related to research data management 	<p>Inputs: <i>What inputs are required to implement these activities, e.g. staff time, equipment, mobilities, publications etc.?</i></p> <ul style="list-style-type: none"> • 11 consortium members (7 RS and 4 EU universities) • 3 year-long Project with following staff work: • 509 management days • 1176 research/teacher days • 1045 technical staff days • 1735 administrative days • 4 study visits to the EU universities • 3 training of trainers by the EU universities at the RS universities • Around 309 mobilities • 2 dissemination conferences and one final conference • Modern IT equipment supporting repository and open access platform in the amount of 260.000 euros • 43.000 euros in subcontracting for publishing national standards, strategies, guidelines, training materials for workshops, promotional 		<p>Assumptions, risks and pre-conditions: <i>What pre-conditions are required before the project starts? What conditions outside the project's direct control have to be present for the implementation of the planned activities?</i></p> <ul style="list-style-type: none"> • Full institutional support and commitment to the implementation of open science principles through the introduction of best EU practices and policies. • Firm intention of national and institutional higher education stakeholders in the Partner Country to motivate their employees to learn about the open science principles. • High interest and attendance rate for all workshops and trainings • Personal motivation of each project participant. • Media support to project dissemination activities

<ul style="list-style-type: none"> • B.2 Define the national standards and guidelines for the development of OSP infrastructure • B.3 Develop institutional repositories • B.4 Develop a Web service for the universities-industry knowledge transfer. • C.1 Study visit to to transfer knowledge related to the university-industry linkages • C.2 Build the registry of private open science research funders • C.3 Organize workshops and seminars for researchers, journal editors, and possible funders • C.4 Define the set of OSP indicators • Q.1 Monitor quality of all project activities. • Q.2 Evaluate national and institutional strategies; standards, action plans and sets of recommendations. • Q.3 Organize fine tuning of procedures. • Q.4 External audit • D.1 Organize opening conference, dissemination conferences/public discussions, 1 final conference and regular press conferences • D.2.1 Develop, design and maintain project website • D.2.2 Develop, design and maintain open science webpage • D.3 Organize marketing and PR 	<p>materials and external audit.</p>		
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<p>activities, design, publish and distribute promotional materials.</p> <ul style="list-style-type: none"> • E.1 Monitor implementation of national and institutional open science policies and strategies at HEIs. • E.2 Advanced support systems for implementation of OSP. • M.1 Set up Steering Committee and Task management groups • M.2 Manage Project • M.3 Organize the Kick-Off, Consortium meetings and Partner Country Meetings. • M.4 Manage project activities (all Project Partners). • M.5 Manage budget and financial reporting. 			
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