



Erasmus+

Cooperation for innovation and the exchange of good practices sub-programme

TECHNICAL REPORT form

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|------------------------------------|---|
| Programme | Erasmus+ |
| Sub-Programme | Cooperation for innovation and the exchange of good practices |
| Action | Capacity Building in higher education |
| Sub-Action | Structural Projects |
| Call for Proposal | EAC-A04-2015 |
| Project number | 573950-EPP-1-2016-1-RS-EPPKA2-CBHE-SP |
| Agreement/decision number | 20162358 |
| Project Title | Boosting Engagement of Serbian Universities in Open Science |
| Language used to complete the form | English |

Contractual Data

Dates and Beneficiaries

Dates

| | |
|------------------------------|-------------------------|
| Project Start: 15/10/2016 | Project End: 14/10/2019 |
| Activities Start: | Activities End: |
| Project Duration(months): 36 | |

Beneficiary Data

| Role | PIC | Name | Country |
|---|-----------|--|----------------|
| Co-Beneficiary / Partner | 999821681 | MINISTARSTVO PROSVETE, NAUKE I TEHNOLOSKOG RAZVOJA | Serbia |
| Co-Beneficiary / Partner | 933416257 | DRZAVNI UNIVERZITET U NOVOM PAZARU | Serbia |
| Co-Beneficiary / Partner | 998833736 | UNIVERZITET U NISU | Serbia |
| Co-Beneficiary / Partner | 998850323 | UNIVERZITET U KRAGUJEVCU | Serbia |
| Co-Beneficiary / Partner | 968338294 | UNIVERZITET UMETNOSTI U BEOGRADU | Serbia |
| Co-Beneficiary / Partner | 999641843 | UNIVERZITET U BEOGRADU | Serbia |
| Coordinating Organization / Beneficiary | 998833833 | UNIVERZITET U NOVOM SADU | Serbia |
| Management Contact Person | 998833833 | UNIVERZITET U NOVOM SADU | Serbia |
| Co-Beneficiary / Partner | 999899281 | UNIVERSITA DEGLI STUDI DI UDINE | Italy |
| Co-Beneficiary / Partner | 999974553 | UNIVERSITEIT LEIDEN | Netherlands |
| Co-Beneficiary / Partner | 999882791 | GOLDSMITHS' COLLEGE | United Kingdom |
| Co-Beneficiary / Partner | 999978142 | NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA | Greece |

Legal Representative

Organisation Legal Address

| |
|--------------------------------|
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|--------------------------------|

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Post Code: 21000 City: NOVI SAD
Country: Serbia

Department

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Contact Person

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Project Summary and Horizontal Issues

Project Description

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|-------------|---|
| English - 1 | <p>The main reason for the development of this proposal is creating adequate conditions for the implementation of open access to scientific research at universities in Serbia. Activities on this project should resolve the basic problems of open science on the level of the legislation, education of researchers, and technical tools, which will facilitate the communication both within scientific community and between researchers and the public, including industry.</p> <p>The researchers will have the opportunity to make their work more visible, after open science guidelines and practices are presented and implemented. This will be the final result, with the following activities leading to it: assessment of current framework and infrastructure supporting open science, creation of recommendations for the improvements and prerequisites for open science practices implementation and boosting capacities and infrastructure supporting these goals.</p> <p>The innovative character of the project lies in the aligning the scientific environment in Serbia with contemporary standards, thus enabling the Serbian science to follow the scientific progress at European and global level. The repositories of scientific papers will be created at all state universities in Serbia and, in this way, a large number of participants in the scientific process will be able to access the data and use it in their research. The editors of scientific journals will be trained to implement editorial policies based on latest international standards. A large number of teaching and research staff at universities will be informed about the possibilities that open science provides in the modern scientific developments.</p> <p>At the policy level, the strategy will be developed at university level, which should harmonize the basic principles of treatment of the scientific research results with the highest European standards. At the level of technical capacity, within the project tools for digital repositories of scientific papers and scientific data will be developed. Repositories will be created in accordance with the standards that will enable easy connection to existing repositories of scientific papers, and they will include both scientific papers and scientific data, all teachers, staff and PhD students at universities. Digital repository will be the foundation for the creation of a platform for the transfer of technology between higher education, industry and the public. The platform will include a registry, containing data provided by all potential participants in the transfer of knowledge and technology. The participants in this process will be both scientific institutions (scientific centers, laboratories, start-up companies within the universitise), and all parties interested in the application of scientific research results, such as companies, scientific and cultural institutions.</p> <p>At the level of enhancing professional knowledge and skills, educational seminars will be organized for the researchers, journal editors and potential users of scientific knowledge and technologies in the fields of economy, culture and other educational institutions. The active use of the results of scientific and artistic work will be enabled both for researchers and the community.</p> <p>At the level of implementation of the project results, the possibility of adequate monitoring of scientific and artistic production will be implemented at all universities in Serbia. This model of monitoring is essential for the process of evaluation of scientific work, transparency and visibility of scientific results.</p> <p>Finally, at the level of integration of science and technology within the framework of the open access defined by the European Commission, project activities will provide the possibility for programme countries to contribute to the implementation of the basic principles of open science outside the EU framework.</p> |
|-------------|---|

Horizontal Issues

Previous recommendations/follow-up

During the implementation of project activities, team members took into account all the suggestions received from the Agency. One of the remarks referred to not taking into account previous initiatives regarding OS in the Project application, that is although some of the BE-OPEN project team members participated in the realization of the former TEMPUS RODOS project, which resulted in a repository of doctoral dissertations at the national level, and whose experiences proved to be rather valuable in the application of similar principles when the implementation of national standards for the repository was concerned. Therefore, the initiatives for changing legislation at institutional levels are similar. Firstly, we presented the KONUS (Conference of Serbian Universities) members with the Project objectives and gained the confirmation of all rectors that these goals are extremely important. Also, one of the Agency's remarks was that only state universities have been participating in the Project. At the presentation of the Project at KONUS meeting, it was proposed that all interested private universities could take over the technical infrastructure for a repository, which is going to be created within the BE-OPEN project.

In addition to this, the H2020 project Open Air and BE-OPEN project are jointly organizing a National Open Science Day, which is going to be held in October 2018. Moreover, several meetings were held and activities planned with other related Erasmus+ CBHE projects such as Institutional Framework for Development of the Third Mission of Universities in Serbia (IF4TM), which is in the process of defining a legal framework for copyrights in Serbia, and Enhancement of HE research potential contributing to further growth of the WB region (RE@WBC).

Another remark concerned planned trainings (Activity C3), which was not explained precisely enough in the application. This activity will start after the repository is developed and it is planned to be implemented during the 3rd year of the Project. At more general level, trainings on the repository usage will be organized at all state universities in Serbia, so as to educate a large number of researchers, librarians and scientific journal editors for adequate use of the repository and basic principles of OS.

The remark regarding the funds allocated to UNS could be justified by the fact that UNS is the lead of 4 WPs, out of which the WP3 is the most demanding one, in terms of developing a repository and importing data on research and artistic results for all Serbian partner universities from their beginnings, which represents an enormous efforts and engagement for the grant institution, thus the funds for these were allocated accordingly.

The issue of financial sustainability after the Project lifetime mainly relies on the commitment of the Ministry to the Project goals and ensuring conditions for further functioning of repositories through adopting policy documents prescribing this as an obligation for all HEIs.

Particular attention was drawn to EU experts' participation in work packages and transfer of best practices from EU Partner institutions, which were not distinctly visible in the project proposal according to the EACEA assessment. Their roles in each of the activity was clearly outlined and implemented within study visits to Leiden University in April 2017 and University of Udine in September 2017 when national and institutional science policies and practices underpinning open science in EU research and education were presented. The comprehensive programs of all four study visits and their planning far in advance prove the role, commitment and profound involvement of EU partners in the Project.

Transversal issues

Since the main goal of the Project is focused on solving the basic issues of the Open Science, there are not many sensitive socially relevant topics that the project members would face in particular. The list of team members shows that the gender balance is adequately represented. The rectors of the University of Niš and the State University of Novi Pazar announced that they will expand their project teams by involving female members.

Generally, the development, standardization and integration of institutional repositories as open science platforms at the Serbian HEIs and the development of web service for the knowledge transfer between universities and industry will strengthen the bond between scientific research and industry, hence provide sustainable development. Moreover, it will make publicly more available and usable the information about cutting-edge research and, in this way, it would address relevant social issues and contribute to decreasing unemployment and overcoming gender issues and issues of people with disabilities.

Involvement of people with fewer opportunities

The main goal of the Project is focused on solving the basic issues of the Open Science, thus there is no direct involvement of people with fewer opportunities.

Award Criteria

Typology

Horizontal priorities

| | |
|---|--------------------------|
| Fostering the assessment of transversal skills | <input type="checkbox"/> |
| Promoting the take-up of practical entrepreneurial experiences in education, training and youth work | <input type="checkbox"/> |
| Promoting the professional development of staff and youth workers in ICT methodologies | <input type="checkbox"/> |
| Supporting the production and adoption of Open Educational Resources in diverse European languages | <input type="checkbox"/> |
| Facilitating the validation of non-formal and informal learning and its permeability with formal education pathways | <input type="checkbox"/> |

Linkages

| | |
|---------------------|-------------------------------------|
| School education | <input type="checkbox"/> |
| Higher education | <input checked="" type="checkbox"/> |
| Adult education | <input type="checkbox"/> |
| Vocational training | <input type="checkbox"/> |
| Youth sector | <input type="checkbox"/> |
| Cross-sector | <input type="checkbox"/> |

If cross sector is selected

| | |
|---------------------|--------------------------|
| School education | <input type="checkbox"/> |
| Higher education | <input type="checkbox"/> |
| Adult education | <input type="checkbox"/> |
| Vocational training | <input type="checkbox"/> |
| Youth sector | <input type="checkbox"/> |

CBHE Aims

| | |
|---|-------------------------------------|
| Promote voluntary convergence with EU developments in higher education. | <input type="checkbox"/> |
| Promote people to people contacts, intercultural awareness and understanding. | <input checked="" type="checkbox"/> |
| Contribute to the cooperation between the EU and the eligible Partner Countries (and amongst the eligible Partner Countries). | <input type="checkbox"/> |
| Support eligible Partner Countries to address the challenges facing their higher education institutions and systems, including those of quality, relevance, equity of access, planning, delivery, management, governance. | <input type="checkbox"/> |
| Support the modernisation, accessibility and internationalisation of the higher education field in the eligible Partner Countries. | <input checked="" type="checkbox"/> |

CBHE Objectives

| | |
|---|-------------------------------------|
| Improve the quality of higher education and enhance its relevance for the labour market and society. | <input type="checkbox"/> |
| Improve the level of competences and skills in HEIs by developing new and innovative education programmes. | <input type="checkbox"/> |
| Enhance the management, governance and innovation capacities, as well as the internationalisation of HEIs. | <input checked="" type="checkbox"/> |
| Increase the capacities of national authorities to modernise their higher education systems, by supporting to the definition, implementation and monitoring of reform policies. | <input type="checkbox"/> |
| Foster regional integration and cooperation across different regions of the world through joint initiatives, sharing of good practices and cooperation | <input type="checkbox"/> |

Specific activities

| | |
|---|-------------------------------------|
| Modernisation of policies, governance and management of higher education systems | <input checked="" type="checkbox"/> |
| Strengthening of relations between higher education systems and the wider economic and social environment | <input type="checkbox"/> |

Regions involved

| | |
|--|-------------------------------------|
| Region 1 - Western Balkans | <input checked="" type="checkbox"/> |
| Region 2 - Eastern Partnership Countries | <input type="checkbox"/> |
| Region 3 - South Mediterranean Countries | <input type="checkbox"/> |

At this stage of project, there is no significant change that could affect the project relevance comparing to those proposed in project application. Last year, a new Law on Higher Education was adopted, still without any provision on open science principles. Nevertheless, partner universities included principles of open science and open data in their internal acts, apart from the fact that all of them signed Berlin Declaration.

Since all partners are focused on the same goal, they share the same motivation and strong commitment, what speaks in favour of its goals strongly rooted in partners' agenda and recognized needs. Due to this, partner institutions have been very active in creating social, legal and infrastructural environment for open sharing of research results and support the development of a new research. At the same time, universities in Serbia tend to develop the infrastructure for the realization of the important goals postulated in European funding programs, such as Horizon 2020. Therefore, the main reason for the development of this proposal was creating adequate conditions for the implementation of open access to scientific research at universities in Serbia. The inclusion of partner institutions from the EU countries where the policy of open access has been highly implemented both on the national and institutional level, should enable better integration of Serbian universities into the European Research Area.

The most important condition for successful communication across scientific disciplines is efficient transfer of information and knowledge. The concept of knowledge sharing implies various contents and processes. The crucial prerequisite for the functionality of knowledge networks is effective information flow among researchers and between the researchers and the public.

The implemented activities on this project are supposed to contribute to reaching all of these goals. Moreover, building the open science infrastructure should intensify the communication both within scientific community and between researchers and the public, including industry. Integration of the basic principles of open science, as defined in the framework of the European Commission and the Strategy of Scientific and Technological Development, is the basis of this Project. The researchers will have the opportunity to make their work more visible. The final result will be recognition and improvement of results in academic society and tighter connection between science and industry, which could use research results as well.

EU Education, Cooperation & Development policies

One of the basic principles of modern science is taking responsibility for the dissemination of accomplished scientific results. At this moment, national funding for the establishment of capacities for open sharing of research outputs is modest in Serbia. The universities in Serbia should create the infrastructure for the realization of the important goals postulated in European funding programs, such as Horizon 2020. Therefore, the main reason for the development of this proposal is creating adequate conditions for the implementation of open access to scientific research at universities in Serbia.

The crucial prerequisite for the functionality of knowledge networks is the efficiency of information flow among researchers and between the researchers and the public.

Activities on this project should resolve the basic problems of open science on the level of the legislation, education of researchers, and technical tools, which will facilitate the communication both within scientific community and between researchers and the public, including industry.

Activities of the project are in accordance with the priorities identified in the Erasmus + KA2 "Improve the modernisation and quality of HE and relevance for the labour market and society". The inclusion of partner institutions from the EU countries where the policy of open access is implemented both on the national and institutional levels, should enable better integration of universities in Serbia into the European Research Area.

Activities in this project are in accordance with the priorities identified in the Strategy of Scientific and Technological Development of Republic of Serbia for the period 2016 - 2020 "Research for Innovation", whereby the specific objective 2.d. Improving the transfer of knowledge and technology is directly related to the this project.

The main objective of the project is to develop conditions for the implementation of the core principles of Open Science at universities in Serbia. The strategy will be developed at university level, which should harmonize the basic principles of treatment of the scientific research results with the highest European standards.

Since the digital repositories will be created all teachers, staff and PhD students at universities will be introduced to the possibilities that this approach to science offers.

Digital repository will be the foundation for the creation of a platform for the transfer of technology between higher education, industry and the public. Educational seminars will be organized for the researchers, journal editors and potential users of scientific knowledge and technologies in the fields of economy, culture and other educational institutions. The possibility of adequate monitoring of scientific and artistic production will be implemented at all universities in Serbia. This model of monitoring is essential for the process of evaluation of scientific work, transparency and visibility of scientific results.

Project activities will provide the possibility for programme countries to contribute to the implementation of the basic principles of open science outside the EU framework.

The most important goal of the project is aimed at increasing the awareness of researchers on the need to adopt a policy of open access as an integral part of all scientific activities, through:

public presentation, training of trainers by the EU partners on improving the editorial policy of the journals, training for journal editors on improving good practices in academic journal editing, workshops in the methods of implementing the open science policy and the use of repositories for researchers and PhD students, workshops for industry representatives on ways of using technology transfer.

Quality of the project implementation

Description of the implemented activities

Generally, most of the project activities are in line with the work programme and timetable. All partners actively participate in the realization of the planned tasks. The implemented activities are listed for each major work package.

WP1 - Mapping the Current Open Science Potentials at Serbian Universities

A questionnaire for all partners from Serbia was created on existing open science practice in Serbia, on the basis of which an analysis of national strategies and laws in the Serbia related to the open science, further regulatory documents and existing structures supporting open science principles at all partner institutions was conducted resulting in two reports: Report on the existing open science legislative and incentives <https://goo.gl/PXk1UC> and Report on the existing institutional open science repositories in Serbia <https://goo.gl/sdtJ3T>. Apart from these, an additional survey was conducted widely within academia on general awareness within academic community about OSP which results were gathered in the Survey on Open Science Attitudes and Experiences among Serbian Scholars <https://goo.gl/jkQG18>. The last activity within WP1 related to technical solutions required for implementation of Open Science at Serbian universities, whereas each Serbian HEI provided the coordinator with the list of required equipment for institutional repositories, thus the public procurement procedure is ongoing <https://goo.gl/Rs5sgz>

WP2 - Developing and Adjusting Guidelines, Policies, and Incentives

Two study visits to EU partner universities (Leiden, Udine) focused on the importance of OA mandates for the implementation of OA and OS policies, possible directions for the improvement of the regulatory practice and efficient methods to implement the adopted laws, rules and regulations.

On July 14th, 2017, MPNTR established a Working Group dedicated to the implementation of Open Science Policy at the national level which members also involve the BE-OPEN project team members <https://goo.gl/KkNgDi>.

At the institutional level, the new Statute of University of Belgrade include OS and OA in the part of scientific work at University (Article 122) (<https://goo.gl/dxdXsr>), and the new Statute of the University of Novi Sad includes Open Science and Open Access in the Informing and publicity Article 194. (<https://goo.gl/iXyFzm>).

Added value: UNS, UNIKG, UAB and SUNP signed Berlin Declaration on Knowledge in the Sciences and Humanities in the scope of the Project.

WP3 - Infrastructural Support for the Open Science Principles

Creating national standards and guidelines for the development of web services, institutional repositories and databases enabling the implementation of open science principles is in progress, as well as creating institutional repository. The repository will be developed by UNS, and installed at all Serbian partner universities.

The Open Science Portal was created in November 2017, so as to provide a central search portal for all interested stakeholders and provide them with all relevant information concerning OS and OA in Serbia. The Portal would also network digital repositories of all Serbian Universities in order to facilitate the transfer of knowledge from universities to the wider community and industry <https://goo.gl/7SL39N>.

WP4 - Building Capacities for Implementation of Open Science Principles

Registration form was created companies' profiles, their demands, and fields of research within which they would cooperate with academia

<https://goo.gl/1D9KJe>. C4) Members of the BE-OPEN team have translated Leiden Manifesto in Serbian language in order to set the background for discussion on common misconceptions about research metrics and quantitative evaluation of scientific output in Serbia <https://goo.gl/QRoaZu>.

Quality assurance

Monitoring and controlling are continuous project activities. Quality assurance is the main focus of the WP5, led by University fo Kragujevac. A Project Quality Control Plan was created including regular internal quality reports on activity progress and deliverables, quality evaluation of delivered trainings performed by all direct beneficiaries at the end of each study visit and project activity, as well as the NEO monitoring feedback, mid-term and final reporting to EACEA. It also includes financial audit required with regard to the estimated project budget by external auditor that is to be selected through public procurement on the basis of their experiences when EU funded projects are concerned. The coordinator will ensure that the appointed Quality Assurance Group gives feedback to project outcomes and take part in the internal quality management of the project actions ensuring punctual and responsible coordination of envisaged activities by project coordination teams, UNIKG evaluation reports, evaluation reports by the EU partners, NEO monitoring visits. Through the constant evaluation of the project achievements and project progress, the high quality standards of the project and its outcomes could be guaranteed.

Project quality control and monitoring includes the following set of activities: Quality reports on project actions; Evaluation reports on project achievements by EU partner; Fine tuning of university procedures and regulations conducted in line with feedback from all the stakeholders; External audit.

BEOPEN - Quality Assurance Plan (Quality Control Manual; Monitoring Manual; Annexes Manual) formalizes the approach followed by BE-OPEN partners in order to ensure the highest possible quality of project activities, outputs and outcomes and project management:

Quality of project deliverables:

- 1.1. Quality of document based deliverables:
- 1.2. Quality of BE-OPEN events
- 1.3. Quality of promotional materials
- 1.4. Quality of websites and other electronic tools
- 1.5. Quality of Project Management (the management structure defined)
- 1.6. General Project Guidelines:

- EACEA – Project Grant Agreement
- Detailed project description
- Project Partnership Agreements
- Financial Management of the Grant
- Project Dissemination and Exploitation Plan
- Project budget and task assignment
- Guidelines for the Use of Grants
- Annex VII Report of factual findings
- BE-OPEN Financial Reporting Instructions

1.7. Amendments to the Manual

Further on, the following are determined within QC Plan: Internal monitoring procedures and methodology, quality responsibilities of all partners and their roles and duties, Quality Assurance of Risk Management, External Monitoring, Partners' technical and financial reporting.

In order to get the feedback from outside of the consortium about the quality of implemented actions, the Manual provides Annex to the participant and feedback form to collect the impressions and opinion of the participants outside the project about the various events organized within the project (trainings, workshops, info days). Data are processed and included in the event reports.

In order to provide the quality of project management, the management structure with teams and responsibilities was adopted at the beginning of the project. The roles and responsibilities are defined based on the expertise of the partners' teams' members relevant for the activities in question.

At the University of Novi Sad, monitoring filed visit by NEO's representatives in Serbia was organized, and the feedback was received based on their findings and it was distributed and discussed on SCM Meeting in Udine. Recommendations provided the feedback were taken into account during the realization of activities.

Visibility

The main channel for communicating project results to the public is the BE-OPEN website available at <http://beopen.uns.ac.rs/>. The website contains two segments. The first is publicly available and provides information on project work packages, time tables, tasks, outcomes, but also some other topics related to the implementation of open sciences principles in general, available within the section entitled Open Matters. The second segment of the website is called Administration Portal and is restricted only to project partners after they log in. Administration Portal enables all members of the project to deposit and share relevant documents, such as key financial documents, documents created in the scope of the Project, and various agreements. This part of the website also includes a forum platform through which all members can post topics and initiate discussions on issues relevant for the realization of the project. The representatives of the Serbian National Erasmus+ Office were provided with the appropriate credentials, so that all information within the Administration Portal is transparent and available to them.

Apart from the main project website, BE-OPEN team is developing national Open Science Portal available at <http://open.ac.rs/>. The main purpose of the Open Science Portal would be to facilitate the transfer of knowledge from universities to the wider community and industry. The portal is under development and currently contains basic information on the project, dictionary of open science terms, list of available open access repositories in Serbia, some examples of open methodology, and several documents explaining the importance and basic principles of open science. These documents, as well as other publicly available documents prepared within the BE-OPEN project, contain Erasmus+ logo and an appropriate disclaimer in order to comply with the Publicity Obligations defined in the Agreement. Additionally, all partner universities from Serbia have developed and regularly maintain open science sections or webpages within their universities' websites in order to provide academic communities with all relevant information on open science policies, guidelines, best practices, and events related to the BE-OPEN project and open science in general.

In order to popularize the BE-OPEN project, promotional materials were designed and have been distributed at each event which BE-OPEN team members are participating in. Apart from the BE-OPEN banner displayed at BE-OPEN events and flyers, documents, and badges that are distributed to the participants, various additional supporting materials were produced for visibility and promotion purposes. Images of the promotional products and visual identity files are available within the Promotional material design section of the BE-OPEN website at <http://beopen.uns.ac.rs/outcomes.php#D3>.

Project activities were promoted at various events such as Open Access Week, Open Data Day, EuroCRIS Strategic Membership Meeting, Erasmus+ Workshop, scientific conferences, and meetings with the representatives of the Serbian government and universities. Being also university teachers, some of the members of the BE-OPEN team are promoting project and open science at various lectures, e.g. recently held Summer School of Statistics at the Faculty of Philosophy in Novi Sad. All relevant events related to the promotion of the BE-OPEN project and raising awareness on open science in general are listed within the Dissemination and Exploitation section of the BE-OPEN website available at <http://beopen.uns.ac.rs/outcomes.php#D1>. Finally, a dedicated BE-OPEN Twitter account was created and it is becoming increasingly used as the implementation of the project proceeds.

Equipment

The equipment was planned according to the actual needs of participating institutions for the purpose of establishing and maintenance of institutional OA repositories. It concerned university/faculty networking, as well as networking with national (Ministry of Education, Science and Technological Development RS) and international OA repositories underpinning the implementation of Open Access principles at all levels in Serbia. List of equipment available at: <https://goo.gl/JmpZqk>.

To enable the early start of working on creating a repository that would be installed at other Serbian partner institutions too, project coordinator started the public procurement in the first year of the project lifetime. The public procurement procedure was started and an open call announced. However, since one of the bidders submitted an official complaint to the Republic Commission for Distributors' Protection, thus the tendering procedure has been terminated until the Commission's official decision regarding the tendering procedure continuation. The Commission requested some additional documentation, so as to assess the state of affairs and bring the decision, which was officially done and sent to coordinating institution on April 4, 2018. According to the decision, a new tendering procedure should be initialized, thus the whole procedure repeated. The expected deadline for a new tendering procedure finalization would be no later than June 2018.

The prolongation of this activity was accompanied by the budget expenditure too, that is, since the budget for the equipment purchase has not been spent up to this moment, the request for the 2nd installment towards EACEA is not eligible right now. Since the major part of the 1st installment includes funds for equipment, the project partners might face some difficulties in implementing project activities due to the lack of resources. However, all of them agreed they would prefinance them, until the 2nd installment is transferred.

The project includes activities relating to curriculum development

- Yes
- No

Teaching / Training Activities

- Yes

Mobility for Teaching, Training and/or project research activities

Staff training activities were planned to be conducted in the form of study visits to EU partners. So far 2 study visits were organized at EU partner institutions (Leiden/Udine), one more is taking place immediately after the report submission (NTUA, Greece, 17-19 April 2018), and 1 is to follow in September 2018 (Goldsmiths', UK).

Both study visits conducted so far, aimed at transfer of know-how regarding EU OS and OA policies, legislations and practices underpinning OS in research and education. Serbian partners were able to get comprehensive insight in legal framework, institutional strategies and practices, as well as into the extensive process of their development and implementation at EU partner institutions. This kind of well-organized and compact study visits and trainings plays key role in knowledge and know-how transfer from EU leading partners to national counterparts.

Study Visit to Leiden University; Wednesday, 17 May 2017 - Friday, 19 May 2017, <https://goo.gl/UffohF>

The study visit to Leiden University was organized under WP2 (Developing and Adjusting Guidelines, Policies, and Incentives) focused on the following topics:

- OS and OA in the national context
- Outline of national and EU policies on OS
- OA publishing in the Netherlands: The Big Deals with publishers
- OS and OA in the institutional context
- OS in the Netherlands
- OA in the Dutch university context
- OS and the national repository
- OA and scientific publishing etc.

This visit was attended not only by Serbian university representatives (UNS, UB, UAB, UNIKG, UNI), but also by the representative of the Ministry of Education, Science and Technological Development RS. Representatives from SUNP were planned for this visit as well, however due to other important activities on their agenda their members were not able to join, however they were thoroughly informed about the visit outcomes after the visit.

The selection criteria for the university representatives to participate in the implementation of these activities were simple. The good mixture of academic, technical and administrative staff was applied. In the group there were represented all levels of decision-making and implementation, from university management (Rector/Vice-Rector) and governance (Ministry) representatives, to heads and employees of International Relations, Research and Project Management offices.

Study Visit University of Udine, Italy; Monday, 25 September 2017 - Wednesday, 27 September 2017, <https://goo.gl/DVucKt>

The study visit to University of Udine, Italy, was organized under WP2 (Developing and Adjusting Guidelines, Policies, and Incentives) focused on the following topics:

- OA and OS in Italy: Goals, Achievements and Hindrances
- Udine Experience in OA
- C.R.U.I. and OA in Italy
- Bibliometric measures for research evaluation
- Readersourcing: Scholarly publishing, peer review, and an alternative model
- Technological Infrastructure to Support OA at UNIUD
- Open Data vs OA

The role of the evaluation units in the Italian universities etc.

All Serbian university project partners, UNS, UB, UAB, UNIKG, UNI, SUNP attended the visit. The group was comprised of academic and administrative staff, from top university management and teachers to officers in International Relations and Research and Project Management offices. Representatives from MNPTR were not able to join, although planned for this visit as well, due to the hectic agenda of their members, thus they were thoroughly informed about the visit outcome.

Both study visits were subject of project quality assurance and evaluated accordingly. UNIKG, WP5 leader, prepared questionnaires for evaluation of each visit organized and the feedback was integrated in the 1st evaluation report available on: <https://goo.gl/VFa6oJ>.

No

Quality of cooperation

Project management

Project management and coordination is running smoothly and according to the plan. The grant holder, University of Novi Sad (UNS), carries overall responsibility for the project professionally and is acting according to its responsibilities and duties.

Partnership agreements regulating details on roles and responsibilities of project partners, further on project management and financial issues was designed by UNS and is signed with each partner. Due to the internal agreement and budget reallocations within the consortium, additional amendments were signed with each partner regulating these changes.

The division of work and responsibilities is managed according to the plan and each partner has one contact person coordinating the project on behalf of the given institution and who is updated about the status quo of the project development and of their own tasks. All activities and decisions have been made transparently and by consensus of the whole Consortium and no considerable disagreements have occurred so far. EU partners provide project content and expertise and ensure that all processes are planned and adapted in the optimal way. The leaders of the WP have the general responsibility for their WP and they are coordinating and assuring optimal implementation of their activities.

The initial division of labour was already set in the project proposal assigning roles to beneficiaries (H section of the application). The division of work was planned based on the expected outcomes and relevant expertise each partner can bring in. Leading partners were assigned roles in coordination of each WP (WP1 – University of Novi Sad, WP2 – University of Belgrade, WP3 – University of Novi Sad, WP4 – University of Novi Sad, WP5 – University of Kragujevac, WP6 – University of Nis and WP7 – University of Novi Sad as project coordinator). The minor alteration from the application refers to WP1 and WP6, where UNS and UNI share the coordinating role for both packages on the grounds of mutual agreement and expertise-driven task distribution. MPNTR is expected to lead activities that should result in national strategies, standards and services (WP2). Serbian university partners mainly share similar tasks regarding institutional legal framework.

Project coordinator is in charge of the formal communication among consortium members, ensuring all partners have equal access to relevant information. Partners coordinate independently regarding specific tasks and assignments. Important decisions are made on consortium meetings, when officially approved by the Steering Committee (contact persons), while day-to-day management is supported through e-mails and the Administration Portal segment of the website restricted only to project partners. This part of the website also includes a forum platform through which all members can initiate discussions on issues relevant for the project. Serbian partners' leaderships meet regularly in the framework of national HE bodies such as Conference of Serbian Universities. The links among Serbian universities are strong and based on mutual understanding, followed with a number of project partnerships, formal and informal contacts among expert offices and services.

From the beginning of project three Consortium meetings were organized:

- Kick-off Meeting, UNS, 12-13 December 2017 (<https://goo.gl/DD6AUX>)
- Consortium Meeting, UNIUD, 28-29 September 2017 (<https://goo.gl/LLhnrD>)
- Consortium Meeting, UNI, 22-23 March 2018

In future, three more consortium meetings are planned, in accordance to the workplan:

- Consortium meeting, UB, 17 October 2018
- Consortium meeting, SUNP, April 2019
- Final meeting, UNS, October 2019

Involvement of partners and stakeholders

The share of responsibilities among partner institutions are listed in the application (section H) for each partner performed according to their expertise. Each WP has a leader from one of the universities in charge of coordinating tasks and other partners within the given WP, while the others are involved in the implementation of tasks. All partners are involved in the project equally, regardless of whether or not they are experienced, still the less experienced partners are provided with strong guidance and consultancy by the coordinating institution.

WP1 (Preparation) is lead by UNS, as well as WP3 (Infrastructural support for the open science principles), WP4 (Building capacities for implementation of open science principles) and WP7 (Management). WP2 (Developing and adjusting guidelines, policies and incentives) is in the responsibility of University of Belgrade, while University of Kragujevac is the leader of WP5 (Quality control of project activities) and University of Nis is leader of WP6 (Dissemination and Exploitation). The minor alteration from the application refers to WP1 and WP6, within which UNS and UNI share the leading role for both packages due to the expertise-driven task distribution.

Even though University of Arts of Belgrade and State University of Novi Pazar do not have direct responsibility for any work package, they put great efforts in the implementation of the Project activities, particularly when dissemination in their communities is concerned.

Although MPNTR was expected to play the key role in national strategies and standards adoption, it is not involved at desired level, nevertheless, the Project members believe it would be much more consistent in future. The main reason for this could be that MPNTR have replaced a person in charge of this project at national level for several times, thus no continuity in Project participation was provided from their part.

The role given to EU partner universities was to provide project content and expertise within study visits they organized at their home institutions relevant for Serbian partners in terms of national legislatives and institutional strategies for implementation of open science principles in their countries, focusing on research transparency, dissemination, collaborations, and accountability.

Serbian academic community have recognized the importance and advantages of OS principles which has been demonstrated through numerous initiatives undertaken by government bodies, faculties, libraries, NGOs, and journal publishers.

Students and other external stakeholders have not been yet involved in the project implementation, however in the next period this is going to be intensified. Workshops will be organized for researchers, journal editors and potential users of scientific knowledge and technologies in the fields of economy, culture and other educational institutions. The active use of the results of scientific and artistic work will be available both for researchers and the community.

The project contributes to increased cooperation between universities and non-academic sectors of the society by transferring the technology and knowledge between HEIs and industry and society in general. The participants in this process will be scientific institutions (scientific centres, laboratories, start-up companies within the universities), and all parties interested in the application of scientific research results, such as companies, scientific and cultural institutions.

The implementation of the project will contribute to the visibility and availability of scientific activities and research results to industry and other stakeholders and thus it will increase cooperation between HEIs and non-academic sectors.

Management of the grant

From the very beginning of the Project implementation, the individual grant shares, internal reporting procedures and deadlines, further the dynamics of instalments' transfer were agreed within consortium within partnership agreements. The work package distribution among project consortium was made according to the expertise of partner institutions related to specific activities, and the grant was distributed accordingly. The Coordinator equipped all partners with financial instructions (<https://goo.gl/QJKgJy>) serving as guidelines for internal reporting methodology (deadlines, exchange rates, programme rules etc) in compliance with ERASMUS+ requirements, as well as information on relevant links at EACEA website. The templates for project administration together with accompanying explanatory documents have been also available at the Portal, e.g. EACEA forms and guidelines, travel and reporting tables were uploaded to Administration Portal (<http://www.beopen.uns.ac.rs/admin.php>) within the Project website which is restricted only to project partners after they log in. Administration Portal enables all members of the project to deposit and share relevant documents, such as key financial documents, documents created in the scope of the Project, etc. All partners are expected to upload their reports with supporting documents at least twice a year, according to the deadlines agreed within partnership agreements. As the deadline for reporting is approaching, the coordinating institution sends out reminders on reporting deadlines, so as to ensure timely financial reporting from all partners. All reports are approved by coordinator before next instalment is transferred to partners. It reinforces good communication, shared responsibility for successful project execution, timely recognition of potential problems and joint efforts to achieve optimal solutions. Once the partner institutions spend funds they have had at their disposal up to that moment, each partner should send a request for payment (next instalment) to the coordinating institution, which, after approving financial reports of given partners, starts the procedure of the next instalment transfer. The procedures, approach to document management, monitoring and the reporting is familiar to all team members responsible for these activities, what minimizes mistakes deriving out of misunderstanding or misinterpretation. The Ministry of Education, Science and Technological Development RS, as a non-university partner, is being offered administration services at coordinating institution, while others are given constant consultancy at each stage of task implementation, evaluation and reporting.

IMPACT AND SUSTAINABILITY

Awareness raising, dissemination, sustainability and exploitation of the project results

Dissemination

According to the Dissemination plan (<https://goo.gl/GmK5CM>), activities include: 1) events at local, national and international levels, aimed at informing the stakeholders (academia, industry, and community) about the project mission and goals; 2) "external" media outlets concerning project promotion, 3) "internal" media outputs created by the partners themselves.

The events of international scope, such as the International OA Week and the Open Data Day, have been implemented by several partners simultaneously, or attended by the representatives of each of the partnering institutions. For instance, to celebrate the International OA Week, all partners jointly created the promotional film <https://youtu.be/kbVDASlt430> Additionally, each of the partners organized events at local level. To this day, 7 events were organized by the University of Novi Sad (UNS) or attended by its staff (2 events at national level, 3 at local level, 2 at both national and international levels, with estimated 6210 participants in total). External and internal media outcomes initiated by UNS targeted around 1 to 3 million viewers / users. The University of Belgrade (UB) organized 5 events (2 national, 2 local, 1 international), while the UB Open Science webpage targeted approximately 10000 users. University of Arts in Belgrade (UAB) organized or participated in 5 events (3 local, 1 national, 1 international), while its Open Science webpage targeted unspecified number of users. University of Niš (UNI) organized 2 events (1 local, 1 international; estimated 230 participants). Through printed media (2 occasions), UNI partners reached out to around 40000 participants, while via the "internal" media (web-based) at approx. 35000 users. State University of Novi Pazar (SUNP) organized 2 events, attended by around 80 participants, while the web page is expected to be utilised by 2000 users.

Besides these, UNS, created and has been maintaining the project website, and the national Open science platform. UB organized a number of group meetings with decision-makers: Ministry of Education, Science and Technological Development (MPNTR), National Council for Science, National Rector Conference and research institutions. UAB organized Info Day on Open Science and digital repositories. Among the planned dissemination activities, a two-day national conference Open Access Strategy in Serbia is to be organized in Belgrade on October 18-19, 2018. The conference will include lectures and workshops for researchers, librarians and academic staff, presented by the leading European experts.

Sustainability

Towards defining a legal framework for the implementation of Open Science principles, which would ensure the sustainability of project outcomes, Open Science clauses have been included in the new Statutes of the universities in Novi Sad and Belgrade. Similar documents are expected to be adopted by other state-funded academic institutions. Mandatory legal acts on open science are expected to be created by MPNTR. Exploitation of the institutional repositories will be monitored and evaluated according to the EU standards and recommendations. Regular updates of the national Open Science platform are expected to contribute to the sustainability of the project outcomes by maintaining the links among academia, community and industry. The Registry of companies interested in the results of scientific research is expected to contribute to the expansion of national repositories.

Electronic version of the project Dissemination and sustainability / exploitation plan is available at <https://goo.gl/GmK5CM>.

Statistics and Indicators

Type of equipment:

- books and pedagogic material
- audio-visual equipment
- Computers and software
- lab material
-

Other

For Curriculum Development projects

Yes

Level of new/updated courses:

- Short cycle
- 1st Cycle (e.g. Bachelor)
- 2nd Cycle (e.g. Master)
- 3rd Cycle (e.g. Doctoral)
- Vocational Education and Training

Type of recognition:

- HEI Degree
- National degree
- Multiple Degree
- Joint Degree

Volume (in ECTS) of new/updated courses

The new study programme includes:

- Placements/internships for students
- Career orientation service
- Career development measures

Number of learners / trainees enrolled (per intake / course delivery)

Type of skills/competence developed:

- Transversal/behavioural skills
-

Technical /academic /scientific / research skills

Linguistic competences

% of the new curriculum taught in foreign language of the the total of new curriculum developed by the project

For Training/Mobility Activities

Number of partner country "HEIs' students" trained

0

Number of partner country "HEIs' academic staff" trained

17

Number of partner country "HEIs' administrative staff" trained

14

Number of partner country "non-HEI individuals" trained (priv. sector, NGOs, civil servants, etc.)

1

IMPACT AND SUSTAINABILITY

Impact at individual level

Extent of attention given to vulnerable groups

not applicable

Number of direct beneficiaries in the Partner country(ies) per year: academic staff from HEIs

Number of direct beneficiaries in the PCs (/year): administrative staff from HEIs

Number of direct beneficiaries in the PCs (/year): HE students

Number of direct beneficiaries in the PCs (/year): non HE individuals

Impact at institutional level

Extent of impact at institutional level: for instance new courses / strategies (policies, regulations) / services (units, centres)

to a high extent

Potential of planned project measures to contribute to new national cooperation activities in the Partner countries HEIs as a result of the project (Memorandum

to a high extent

of Understanding /research projects / joint publications /participation in networks or associations etc.)

Potential of project to contribute to new international cooperation activities in the Partner countries HEIs as a result of the project (international agreements / Memorandum of Understanding / research projects / joint publications / participation in networks or associations, etc.)

to a high extent

Impact on the HE Sector

Potential of project to contribute to new (/updated) national or regional policies / laws / regulations in HE

to a high extent

Potential of project to contribute to the establishment (/ further development) of external bodies (/associations /agencies)

not applicable

Potential of project to contribute to improve the excellence / competitiveness / attractiveness of the Higher Education institutions

to a high extent

Innovative character of the planned results (i.e. the courses developed; the new tools, services, procedures delivered; the strategies implemented for reaching the target groups; etc.)

to a very high extent

Impact on the society as a whole

Potential of the project to pay particular attention to least developed countries

to a high extent

Potential of the project to engage Partner Countries HEIs in new means of cooperation with employers and other stakeholders (e.g. NGOs, associations, etc.)

to a high extent

Measures contributing to improving lifelong learning approaches in the Partner Country HEIs

not applicable

Sustainability

Institutional support for Partner Country HEIs to sustain project results

to a very high extent

Measures to collect Sources of financial (/logistic) support for sustaining the project results from:

- Partner HEIs
- Public authorities in Partner countries
- NGOs
- Private sector
- European Union
- Other

QUALITY OF PARTNERSHIP & COOPERATION

Involvement of students in the project implementation

not applicable

Involvement of non-educational stakeholders in the project implementation

to a high extent

RELEVANCE in relation to project objectives

To what extent the project contributes to the policy objectives of the Partner Countries

to a high extent

Project potential to promote EU's horizontal policies

- Agriculture, fisheries and foods
- Business
- Climate action
- Cross-cutting policies
- Culture, education and youth
- Economy, finance and tax
- Employment and social rights
- Energy and natural resources
- Environment, consumers and health
- External relations and foreign affairs

- Justice, home affairs and citizens' rights
- Regions and local development
- Science and technology
- Transport and travel

Meetings, Training and Mobilities

Meetings, Trainings and Mobilities

Estimated dates of consortium meetings until the end of the projects

| Venue country | Venue city | Date of Meeting |
|---------------|------------|-----------------|
| España | Vigo | 12/01/2017 |
| España | Vigo | 13/01/2017 |
| Morocco | Kenitra | 20/04/2017 |
| Morocco | Kenitra | 21/04/2017 |
| Morocco | Rabat | 22/04/2017 |
| Morocco | Meknès | 22/04/2017 |
| Morocco | Agadir | 24/04/2017 |
| Morocco | Marrakech | 25/04/2017 |
| Morocco | Tetouan | 25/04/2017 |
| Belgium | Brussels | 05/10/2017 |
| Belgium | Brussels | 06/10/2017 |
| France | Paris | 08/02/2018 |
| France | Paris | 09/02/2018 |
| Morocco | Rabat | 03/05/2018 |
| Bulgaria | Sofia | 11/10/2018 |
| Bulgaria | Sofia | 12/10/2018 |
| Morocco | Tetouan | 12/02/2019 |
| Morocco | Tetouan | 13/02/2019 |

Training and Mobilities

| Event | Purpose | Type of participants | Gender | Number | Country of Origin | Country of destination | Duration (in weeks) | %compared to objectives |
|-------|----------|---------------------------|-------------|--------|-------------------|------------------------|---------------------|-------------------------|
| 1 | Training | Academic staff – teaching | Number Male | 16 | Morocco | France | 1 | |

| | | | | | | | | |
|---|----------|---------------------------|---------------|----|---------|---------|---|--|
| 1 | Training | Academic staff – teaching | Number Female | 2 | Morocco | France | 1 | |
| 2 | Training | Academic staff – teaching | Number Male | 15 | Morocco | España | 1 | |
| 2 | Training | Academic staff – teaching | Number Female | 1 | Morocco | España | 1 | |
| 3 | Training | Academic staff – teaching | Number Male | 33 | Morocco | Morocco | 1 | |
| 3 | Training | Academic staff – teaching | Number Female | 7 | Morocco | Morocco | 1 | |
| 4 | Training | Academic staff – teaching | Number Male | 31 | Morocco | España | 1 | |
| 4 | Training | Academic staff – teaching | Number Female | 2 | Morocco | España | 1 | |

Attachments

| Type of File | Name of the File |
|---------------------------------|--|
| Budget Table | BEOPEN_2018_03_05_Intermediate Report_Financial Statement.xlsm |
| Declaration of Honour | BEOPEN_Declaration of Honour.pdf |
| Table of achieved results | BEOPEN_table_of_achieved_planned_results.pdf |
| Dissemination/Exploitation Plan | BEOPEN_Dissemination_and_Exploitation_plan_final.pdf |
| Quality Assurance Plan | BEOPEN - Quality Control Manual.pdf |
| Report Special Mobility Strand | AknowldgmentOfReceipt.txt |
| Request for Payment | |

TABLE OF ACHIEVED / PLANNED RESULTS

**EXAMPLE
USE ONE TABLE PER
WORK PACKAGE:
ADD AS MANY TABLES
AS NECESSARY**

| | |
|--|--|
| <u>Reference number of the work</u> | |
| <u>Indicators of achievement and or/performance as indicated in the project proposal</u> | |

Insert the title and reference number as indicated in the project proposal

Insert the indicators of achievement and/or performance as indicated in the project proposal

Activities carried out to date for the achievement of this result:

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity carried out | Specific and measurable indicators of achievement |
|---|---|------------|----------|--|--|---|
| ↑ ↓ | ↑ ↓ | | | ↑ ↓ | ↑ ↓ | ↑ ↓ |
| Activity number as indicated in the project proposal | Insert the activity title as indicated in the project proposal | | | State where and when the activity has taken/will take place | Provide a brief description of the activity | Insert specific indicators (qualitative and quantitative) which can help to measure the achievement of the activity result |
| | | | | | <u>Description of the activity to be carried out</u> | <u>Specific and measurable indicators of progress</u> |
| | | | | | | |

Insert specific indicators (qualitative and quantitative) which help measure progresses towards achieving the required result

Changes that have occurred in this result since the original proposal:

**Describe any change to the original activity plan
described in the project proposal**

TABLE OF ACHIEVED / PLANNED RESULTS

| | |
|--|--|
| Title and reference number of the work package (WP) | <i>Mapping the Current Open Science Potentials at Serbian Universities (WPI)</i> |
|--|--|

| | |
|--|--|
| Indicators of achievement and or/performance as indicated in the project proposal | <p>P.1 Analysis on existing national legislatives and institutional incentives in Serbia.</p> <p>P.2 Analysis on the current state of affairs regarding the infrastructure.</p> <p>P.3 A survey on the awareness and knowledge of open science principles</p> <p>P.4 IT Equipment purchase</p> |
|--|--|

Activities carried out to date to achieve this result:

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity carried out | Specific and measurable indicators of achievement |
|-------------|--|------------|----------|--------------------------------|---|---|
| P1 | Report on the existing national legislatives and institutional incentives related to the implementation of open science principles in research and education | 1/17 | 4/17 | UNS, UB, UAB, UNIKG, UNI, SUNP | An analysis on the existing national legislatives and institutional incentives in Serbia was conducted. Serbian Higher Education institutions wrote individual reports when implementing of open science principles at their institution is concerned. UNS, as the work package leader, gather these inputs and wrote a report on this topic. | Questionnaire, individual reports of Serbian universities on existing national legislatives and institutional incentives in Serbia. <u>Report on the existing national legislative and institutional incentives related to the implementatiton of open science principles in research and education.</u> |
| P2 | Report on the current open science practice in Serbia and the registry of institutional open science repositories and related information | 1/17 | 4/17 | UNS, UB, UAB, UNIKG, UNI, SUNP | An analysis on the current open science practice in Serbia and existing institutional open science repositories at Serbian universities was conducted. UNS gathered individual reports of each Serbian HEI and incorporated them into a single report. | Questionnaire, individual reports of Serbian universities on the existing open science repositories at Serbian universities. <u>Report on the current open</u> |

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|----|--|-------|-------|--------------------------------|---|--|
| | infrastructures | | | | | science practice in Serbia and the registry of institutional open science repositories and related information infrastructures. |
| P3 | Mapping the situation regarding the awareness and knowledge of open science principles within academic community | 5/17 | 7/17 | UNS, UB, UAB, UNIKG, UNI, SUNP | A survey on open science attitudes and experience was created by UNS and widely distributed among Serbian scholars at all Serbian universities. The results of this survey were processed in the form of analysis by UNS which was publicly presented at the Open Science Day at UNS, October 30, 2017. | Survey on Open Science Awareness in Serbia Analysis of survey on open science attitudes and experiences among Serbian scholars Report of the Survey on open science attitudes and experiences among Serbian scholars |
| P4 | Prerequisites for building technical solutions for open science at universities | 09/17 | 02/18 | UNS, UB, UAB, UNIKG, UNI, SUNP | Specifications of all equipment to be purchased was defined for all Serbian universities. A new tendering procedure is going to be initialized in April 2018. | Specification of IT Equipment purchased |

Activities to be carried out to achieve this outcome (before the end of the project)

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity to be carried out | Specific and measurable indicators of progress |
|-------------|---|------------|----------|--------------------------------|--|---|
| P4 | Prerequisites for building technical solutions for open science at universities | 09/17 | 02/18 | UNS, UB, UAB, UNIKG, UNI, SUNP | A new tendering procedure is going to be initialized in April 2018. The expected deadline for a new tendering procedure finalization would be no later than June 2018. | Specification of IT Equipment purchased |

Changes that have occurred in this result since the original proposal:

To enable the early start of working on creating a repository that would be installed at all Serbian partner institutions, the Project coordinator started the public procurement in the first year of the project lifetime. The public procurement procedure was started and an open call announced. However, since one of the bidders submitted an official complaint to the Republic Commission for Distributors' Protection, the tendering procedure has been terminated until the Commission's official decision regarding the tendering procedure continuation. A new tendering procedure should be initialized, thus the whole procedure repeated. The expected deadline for a new tendering procedure finalization would be no later than June 2018.

Please add as many tables as necessary

| | |
|---|---|
| <u>Title and reference number of the work package (WP)</u> | <i>Developing and Adjusting Guidelines, Policies and Incentives (WP2)</i> |
|---|---|

| | |
|---|--|
| <u>Indicators of achievement and or/performance as indicated in the project proposal</u> | 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. |
|---|--|

Activities carried out to date to achieve this result:

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity carried out | Specific and measurable indicators of achievement |
|--------------------|---|-------------------|-----------------|---------------------------------------|--|---|
| A1 | Study visit to the Leiden University and University of Udine to transfer know-how regarding EU open science practices and transfer of know-how regarding the guidelines, mandates, and legislations underpinning open science in research and education | 4/17 | 9/17 | UNS, UB, UAB, UNIKG, UNI, SUNP, MPNTR | The study visit to the Centre for Science and Technology Studies (CWTS), Leiden University was held on May 17-19, 2017. The workshop was organized and led by team members from Leiden University: Prof. Dr. Paul Wouters, Dr. Thed van Leeuwen and Clifford Tatum. Participants in the three-day workshop were teachers, researchers and administrative staff from partner institutions. The aim of the study visit was to exchange knowledge in the field of open science and research data management. Apart from CWTS representatives, many speakers from other institutions, such as national an university libraries, research institutes, publishing companies and other national universities participated in the study visit. The study visit to University of Udine, Italy was in | Evaluation reports of study visits, lists of attendance, photos, agendas The report of the Study visit to Leiden University, together with the workshop programme and all presentations. The report of the Study visit to University of Udine, together with the workshop programme and all |

| | | | | | | |
|----|--|-------|------|---------------------------------------|---|--|
| | | | | | September 25-27, 2017. The workshop was organized and led by team members from Udine University: Prof. Dr. Carla Piazza and Prof. Dr. Marina Lenisa. Participants in the three-day workshop were teachers, researchers and administrative staff from partner institutions. Due to the long-term experience of University of Udine when open access is concerned, the workshop participants had the opportunity to get insight into its organizational and technical infrastructure supporting the implementation of Open Access policies, furthermore its policies and best practices related to Open Science. Apart from home lecturers, speakers from University of Trieste, University of Glasgow, University of Milano, University of Torino, SISSA and CINECA were also invited to share their experiences on Open Science policies. | presentations. |
| A2 | Guidelines and directives for successful implementation of open science principles in research and education at the national level | 4/17 | 1/18 | UNS, UB, UAB, UNIKG, UNI, SUNP, MPNTR | The Ministry of Education, Science and Technological Development of the Republic of Serbia founded on July 14, 2017, a Working Group dedicated to the implementation of Open Science Policy at the national level. Prof. Dr. Snežana Smederevac, coordinator of the BE-OPEN project, and Biljana Kosanović, team member of the BE-OPEN project from the University of Belgrade, are members of this Working Group which is responsible for creating recommendations and standards for implementing OSP in Serbia. | Policy documents (strategies, recommendations, regulations), minutes, conclusions Official announcement of the Ministry of Education, Science and Technological development on founding the Working Group dedicated to the implementation of Open Science policy at the national level. |
| A3 | University policies and by-laws for the implementation of open science principles | 12/17 | 1/19 | UNS, UB, UAB, UNIKG, UNI, SUNP | University of Novi Sad and University of Belgrade have updated their university statutes with the Open Science clause. In the case of the University of Novi Sad, article 194 assures publicity by providing infrastructure for Open Access to scientific results and primary data. University of Belgrade, with its new article 122, recommends to teachers | Policy documents (strategies, by-laws, regulations) New Statute of University of Novi Sad includes Open Science clause. |

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|--|--|--|--|--|--|--|
| | | | | | <p>and researchers to follow principles of Open Science and to deposit their works into repositories with open access. University of Novi Sad, University of Kragujevac, University of Arts in Belgrade and State University of Novi Pazar, followed the example of University of Belgrade and University of Niš, and signed the Berlin Declaration to Knowledge in the Science and Humanities. Max Planck Society in Germany initiated the Berlin declaration on Open Access to Knowledge in the Sciences and Humanities in 2003 and Open Science within the Berlin Declaration is defined as a comprehensive source of human knowledge and cultural heritage that has been approved by the scientific community and the Internet is promoted as a functional medium for distributing knowledge. As all partner institutions have signed the Berlin Declaration, this is considered to be a significant added value to the implementation of OSP at Serbian HEIs.</p> | <p>New Statute of University of Belgrade includes Open Science clause.</p> <p>State University of Novi Pazar signs Berlin Declaration.</p> <p>University of Arts in Belgrade signs Berlin Declaration.</p> <p>University of Kragujevac signs Berlin Declaration.</p> <p>University of Novi Sad signs Berlin Declaration.</p> |
|--|--|--|--|--|--|--|

Activities to be carried out to achieve this outcome (before the end of the project)

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity to be carried out | Specific and measurable indicators of progress |
|-------------|---|------------|----------|---------------------------------------|--|---|
| A3 | University policies and by-laws for the implementation of open science principles | 12/17 | 1/19 | UNS, UB, UAB, UNIKG, UNI, SUNP | University of Kragujevac, University of Arts Belgrade, University of Niš and State University of Novi Pazar are going to amend their university statutes or other institutional policy documents in terms of introducing OSP implementation in research as well. | Policy documents (strategies, by-laws, regulations) |
| A4 | Recommendations to the national Action Plan for improving the impact and accountability of publicly-funded research through the | 12/17 | 1/19 | UNS, UB, UAB, UNIKG, UNI, SUNP, MPNTR | Recommendation to the national Action Plan for improving the impact and accountability of publicly-funded research through the implementation of open science principles are in the process of writing, along with recommendations and standards for implementing OSP in Serbia. | Policy documents (recommendations) |

| | | | | | | |
|--|--|--|--|--|--|--|
| implementation of open science principles (incorporated into National Strategy for Scientific and Technological Development) | | | | | | |
|--|--|--|--|--|--|--|

Changes that have occurred in this result since the original proposal:

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TABLE OF ACHIEVED / PLANNED RESULTS

| | |
|---|---|
| <u>Title and reference number of the work package (WP)</u> | <i>Infrastructural Support for the Open Science Principles (WP3)</i> |
| <u>Indicators of achievement and or/performance as indicated in the project proposal</u> | <p>B.1 Study visits to EU partner universities.</p> <p>B.2 Set of national standards and recommendations for the development of OSP infrastructure.</p> <p>B.3 An integrated system of institutional OS repositories.</p> <p>B.4 Web service knowledge and technology transfer.</p> |

Activities carried out to date to achieve this result:

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity carried out | Specific and measurable indicators of achievement |
|-------------|--|------------|----------|---------------------------|--|---|
| B4 | Development of web service for the knowledge transfer between universities and | 6/18 | 11/18 | UNS, UB, UAB, UNIKG, UNI, | The Open Science Portal was created in November 2017. The main goal of the Open Science Portal is to provide a central search portal for all interested stakeholders and provide them with all relevant information concerning | Open Science Portal National Open Science Portal created and launched. |

| | | | | | | |
|--|----------|--|--|----------------|---|--|
| | industry | | | SUNP, MPNTR | Open Science and Open Access in Serbia. The Portal will also network digital repositories of all Serbian universities in order to facilitate the transfer of knowledge from universities to the wider community and industry. | |
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Activities to be carried out to achieve this outcome (before the end of the project)

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity to be carried out | Specific and measurable indicators of progress |
|-------------|--|------------|----------|---------------------------------------|---|--|
| B1 | Study visit to London to transfer experience and knowledge related to research data planning, sharing, and management | 4/18 | 4/18 | UNS, UB, UAB, UNIKG, UNI, SUNP, MPNTR | The Study visit to Goldsmiths' College is set to take place in September 2018. The goal of this study visit is to transfer experience and knowledge related to research data planning, sharing, and management. The agenda for this study visit is currently under discussion. | Evaluation reports of study visits, lists of attendance, photos, agendas |
| B2 | National standards and guidelines for the development of web services, institutional repositories and databases enabling the implementation of open science principles | 4/17 | 8/17 | UNS, UB, UAB, UNIKG, UNI, SUNP, MPNTR | Recommendation to the national standards and guidelines for the developments of web services, institutional repositories and databases enabling the implementation of OSP are in the process of writing, along with recommendations and standards for implementing OSP in Serbia. | Policy documents (recommendations, guidelines), minutes, conclusions |
| B3 | Development, standardization and integration of institutional repositories as open science platforms at the Serbian HEIs | 9/17 | 9/18 | UNS, UB, UAB, UNIKG, UNI, SUNP | Institutional repositories are in the development phase. UNS is in charge of developing the repository which is later on going to be installed at all partner universities and networked with the existing institutional, national and international repositories. | Repositories |

Changes that have occurred in this result since the original proposal:

Due to the replacement of the contact person on behalf of MNPTR at national level, no continuity in Project participation was provided from their part which resulted in a delay when the B2 activity is concerned. Mainly, the planned standards and guidelines within this activity will be proposed by the Working group for OSP implementation in Serbia. Since the Group was established with a slight delay, this activity is also slightly prolonged.

TABLE OF ACHIEVED / PLANNED RESULTS

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| <u>Title and reference number of the work package (WP)</u> | <i>Building Capacities for Implementation of Open Science Principles (WP4)</i> |
| <u>Indicators of achievement and or/performance as indicated in the project proposal</u> | C.1 Study visits to EU partner universities C.2 Number of non-governmental OSP funders. C.3 Number of attendants at trainings. C.4 Report regarding the |

Activities carried out to date to achieve this result:

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity carried out | Specific and measurable indicators of achievement |
|--------------------|--|-------------------|-----------------|---------------------------------------|---|--|
| C1 | Study visit to the National Technical University of Athens to transfer experience and knowledge related to the university-industry linkages and the evaluation of research impacts | 4/18 | 4/18 | UNS, UB, UAB, UNIKG, UNI, SUNP, MPNTR | The Study visit to the National Technical University of Athens is set to take place on 17-19 April, 2018. The goal of the study visit is to transfer experience and knowledge related to the university-industry linkages and the evaluation of research impacts, policies on open data, repositories' service, publishing practices. | Evaluation reports of study visits, lists of attendance, photos, agendas |
| C2 | Building the registry of private foundations and non-governmental institutions funding | 4/18 | 11/18 | UNS, UB, UAB, UNIKG, UNI, | The first Science for Industry Fair in Novi Sad was held on 4-5 December, 2017, and it was an excellent opportunity to connect industry with academia. Team members of BE-OPEN project presented its main goals and activities and | Registration form, number of registered companies and other stakeholders |

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| | research | | | SUNP | invited representatives from the industry to support the idea of open science by registering to the Open Science Portal. Registration form was created for this purpose and companies could provide information on their profiles, demands, fields of research within which they would cooperate with academia. | Registration form for building the registry of private foundations and non-governmental institutions funding research created. |
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Activities to be carried out to achieve this outcome (before the end of the project)

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity to be carried out | Specific and measurable indicators of progress |
|-------------|--|------------|----------|---|--|--|
| C3 | Training of university staff, policy makers, journal editors, and research benefactors in use of open science platforms | 10/18 | 05/19 | UNS, UB, UAB, UNIKG, UNI, SUNP, MPNTR, UL, UNIUD, NTUA, Goldsmiths' | The National Workshop on Open Science principles is set to take place on October 18-19, 2018 in Belgrade. Preliminary topics are: Open Science in Humanities, Open Science in Publishing, Open Methodology and Open Data, ORCID/D-SPACE CRIS, Open Research Data and Research Management Plan and Open Science Repository. The workshop will target researchers, journal editors, librarians and PhD students. | Agenda, attendance list, photos, number of participants |
| C4 | Evaluation methodology for monitoring the usage of open science platforms and the performance and impact of research at Serbian universities | 4/18 | 12/18 | UNS, UB, UAB, UNIKG, UNI, SUNP, MPNTR | <p>Work on the Evaluation methodology for monitoring the usage of open science platforms and the performance and impact of research at Serbian universities is in progress. UNS is in charge of this activity and coordination of this WP.</p> <p>Research evaluation based on quantitative data has become a common practice in many European countries, including Serbia. In order to make an objective assessment, science policy institutions should ensure that applied methodology is relevant and transparent and that data used in evaluation procedures are comprehensive, objective and accurate. Furthermore, quantitative evaluation should be primarily used to support expert assessment in order to achieve a</p> | <p>Instructions (methodology) for OSP implementation</p> <p>Presentation of the Evaluation methodology for monitoring the usage of open science platforms and the performance and impact of research at Serbian universities</p> <p>The Leiden Manifesto for research metrics in Serbian language.</p> |

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| | | | | | balanced judgment. These are just a few of the ten principles presented in the Leiden Manifesto for research metrics compiled by Diana Hicks, Paul Wouters, Ludo Waltman, Sarah de Rijcke and Ismael Rafols. Members of the BE-OPEN team have translated the Leiden Manifesto in Serbian language in order to set the background for discussion on common misconceptions about research metrics and quantitative evaluation of scientific output in Serbia. Leiden Manifesto represents a suitable starting point in developing indicators of performance and impact of research at Serbian universities. | |
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Changes that have occurred in this result since the original proposal:

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TABLE OF ACHIEVED / PLANNED RESULTS

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| <u>Title and reference number of the work package (WP)</u> | <i>Quality Control of Project Activities (WP5)</i> |
| <u>Indicators of achievement and or/performance as indicated in the project proposal</u> | 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 |

Activities carried out to date to achieve this result:

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity carried out | Specific and measurable indicators of achievement |
|-------------|--------------------|------------|----------|--------|---|---|
| Q1 | Quality reports on | 1/17 | 9/19 | UNIKG, | A Quality Control and Monitoring Manual which defines | Internal quality reports, |

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| | project actions | | | UNS | the processes for planning and executing the project activities in order to ensure the highest quality, was created at the beginning of the project. The manual sets the minimum principles, requirements and processes needed to implement effective quality assurance and control. It also provides annexes to be used in order to assure the outputs can be measured and assessed. The first self-assessment analysis was done in February 2018 and will be used to improve the overall quality and the impact of the BE-OPEN project. | reports of NEO, quality control plan and templates Quality Control and Monitoring Manual First self-assessment analysis |
| Q2 | Evaluation reports on project achievements by EU partner | 5/17 | 6/19 | UNIKG, UNS, UNIUD, NTUA, UL, Goldsmiths' | The Evaluation report on two study visits and the deliverables achieved so far was created by Quality Assurance Group was created in March 2018. | Evaluation reports First evaluation report |

Activities to be carried out to achieve this outcome (before the end of the project)

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity to be carried out | Specific and measurable indicators of progress |
|-------------|--|------------|----------|---------------------------------------|---|--|
| Q3 | Fine-tuning of university procedures and regulations conducted in line with feedback from all the stakeholders | 9/17 | 3/19 | UNS, UB, UAB, UNIKG, UNI, SUNP, MPNTR | Once all Serbian partner universities finalize the creation of new documents or amending the existing ones in terms of implementation of OSP in research (in line with the National Strategy for Research and Technological Developemtn), fine-tuning of these documents will be conducted in compliance with the feedback of stakeholders. | Amendments to university regulations and procedures New Statute of University of Novi Sad includes Open Science clause. New Statue of University of Belgrade includes Open Science clause. |
| Q4 | External audit | 3/18 | 9/19 | UNS, UB, UAB, UNIKG, UNI, SUNP, | In May 2018, UNS will start the public procurement procedure for external evaluator according to criteria set in advance (e.g. experience in auditing EU projects). The external audit will be conducted in two phases. The first one for the financial expenditure from the Project | External audit report |

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| | | | | MPNTR | beginning till July 2018, and the second one from August 2018 till the end of the Project. | |
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Changes that have occurred in this result since the original proposal:

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TABLE OF ACHIEVED / PLANNED RESULTS

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| <u>Title and reference number of the work package (WP)</u> | <i>Dissemination and Exploitation (WP6)</i> |
| <u>Indicators of achievement and or/performance as indicated in the project proposal</u> | <p>D.1 Number of meetings and conferences organized.</p> <p>D.2 Website designed and regularly maintained.</p> <p>D.3 Printed promotional materials, public relation activities.</p> <p>E.1 Consistency in the application of open science at Serbian HEIs.</p> <p>E.2 Reinforced support systems for implementation of open science at Serbian universities.</p> |

Activities carried out to date to achieve this result:

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity carried out | Specific and measurable indicators of achievement |
|-------------|--|------------|----------|---------------------------------------|--|---|
| D1 | Raising awareness on open science policies developed at national and institutional level | 12/16 | 9/19 | UNS, UB, UAB, UNIKG, UNI, SUNP, MPNTR | <p>For efficient dissemination and exploitation of project results, an elaborated dissemination and exploitation plan was created at the beginning of the project. The main goal of the plan is to define a strategy for dissemination and exploitation activities, tools, target groups to be addressed, visibility requirements and overall dissemination calendar.</p> <p>To this day, 7 events have been organized by the University of Novi Sad (UNS) or attended by its staff (2 events at national level, 3 at local level, 2 at both national and international levels, with estimated 6210 participants in total). External and internal media outcomes initiated by the University of Novi Sad targeted around 1 to 3 million viewers / users. The University of Belgrade (UB) organized 5 events (2 national, 2 local, 1 international), while the UB Open Science webpage has targeted approximately 10000 users. University of Arts in Belgrade (UAB) organized, or participated in, 5 events (3 local, 1 national, 1 international), while its Open Science webpage targeted at unspecified number of users. University of Niš (UNI) organized 2 events (1 local, 1 international; estimated 230</p> | <p>Dissemination and Exploitation plan, number of events, number of participants, agendas, photos</p> <p>Dissemination and Exploitation Plan</p> <p>BE-OPEN project presented at Center for Promotion of Science website</p> <p>BE-OPEN Project Info Day at the University of Arts in Belgrade</p> <p>School of Statistics & Open Data Day at the Faculty of Philosophy</p> |

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| | | | | | <p>participants). Through printed media (2 occasions), UNI partners reached out to around 40000 participants, while via the “internal” media (web-based) approximately 35000 users. State University of Novi Pazar (SUNP) organized 2 events, attended by around 80 participants, while the web page is expected to be utilised by 2000 users.</p> | <p><u>Open Data Day</u></p> <p><u>Workshop with similar Erasmus+ projects</u></p> <p><u>Science for Industry Fair</u></p> <p><u>BE-OPEN Project presented at the Conference of the Universities of Serbia</u></p> <p><u>euroCRIS Strategic Membership Meeting</u></p> <p><u>Follow us: BE-OPEN Twitter account created</u></p> <p><u>International open access week at the University of Niš</u></p> <p><u>International open access week at the University of Belgrade: Kickstart your ORCID ID!</u></p> <p><u>Open Access Day at the University of Novi Sad</u></p> <p><u>International open access week at the University of Kragujevac</u></p> <p><u>BE-OPEN project presented at the Conference Privacy in the Digital Age: Illusion or a National Challenge</u></p> |
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| | | | | | | <p>BE-OPEN project presented at the Public Debate on the Strategy for Culture Development Proposal</p> <p>Information about the Kick-off meeting on the website of Autonomous Province of Vojvodina</p> <p>BE-OPEN project presented at the OpenAIRE National Workshop</p> |
| D2.1 | Project website design and maintenance | 12/16 | 9/19 | UNS | The BE-OPEN website is an important dissemination tool of project results where all information about project activities is published. Among details related to the project description, objectives and outcomes of the project, LFM and workplan, the website contains the list of project partners with short presentations. The website also provides a platform to support internal communication for BE-OPEN project partners. The representatives of the Serbian National Erasmus+ Office were provided with the appropriate credentials so that all information within the <i>Administration Portal</i> is transparent and available to them. | <p>Project website</p> <p>BE-OPEN project website</p> |
| D2.2 | Open science webpage developed and updated | 12/16 | 9/19 | UNS, UB, UAB, UNIKG, UNI | University of Kragujevac, University of Nis, University of Novi Sad and University of Belgrade have all created Open Science webpages within their universities' homepage. These Open Science webpages explain the basic terms of Open Science, publishing in Open Access, the Berlin Declaration, Open Science in H2020, affiliation guidelines, researcher databases, repository of doctoral theses and open data. | <p>OS webpages developed and incorporated into university websites</p> <p>University of Kragujevac website - Open Science section</p> <p>University of Nis website - Open Science webpage</p> <p>University of Novi Sad website - Open Science</p> |

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| D3 | Promotional materials design | 11/16 | 8/19 | UNS | In order to popularize the BE-OPEN project, promotional material was designed and distributed at each event. Apart from the BE-OPEN banner displayed at BE-OPEN events, various additional supporting materials were produced for visibility and promotion purposes: backpacks with badges, bags, earphones, hard case folder, notebook, power bank, promo flyer, soft case folder, thermal mug and USB flash drive. Also, the BE-OPEN visual identity was created and PPT, document, memo and logo templates are available at the BE-OPEN project website. | University of Belgrade website - Open Science webpage Promotional material BE-OPEN backpack with badge BE-OPEN bag BE-OPEN banner BE-OPEN earphones BE-OPEN hard case folder BE-OPEN notebook BE-OPEN power bank BE-OPEN promo flyer BE-OPEN soft case folder BE-OPEN thermal mug BE-OPEN usb flash drive BE-OPEN Visual identity |
| E1 | National and institutional open science policies and strategies implemented at universities in Serbia | 8/17 | 3/19 | UNS, UB | University of Novi Sad and University of Belgrade have updated their university statutes with the Open Science clause. In the case of the University of Novi Sad, article 194 assures publicity by providing infrastructure for Open Access to scientific results and primary data. University of Belgrade, with its new article 122, recommend to teachers | Internal monitoring of the OSP implementation New Statute of University of Novi Sad includes Open Science clause. |

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| | | | | | and researchers to follow principles of Open Science and to deposit their works into repositories with open access. | New Statute of University of Belgrade includes Open Science clause. |
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Activities to be carried out to achieve this outcome (before the end of the project)

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity to be carried out | Specific and measurable indicators of progress |
|-------------|---|------------|----------|--------------------------------|--|---|
| D2.2 | Open science webpage developed and updated | 12/16 | 9/19 | | State University of Novi Pazar will create an Open Science webpage within their institution's homepage, so as all relevant documents referring to OSP would be available for that specific academic community as well. | OS webpages developed and incorporated into university websites |
| E1 | National and institutional open science policies and strategies implemented at universities in Serbia | 8/17 | 3/19 | UNIKG, UNI, SUNP | University of Kragujevac, University of Niš and State University of Novi Pazar are to amend their university statutes as well. As soon as all Serbian partner universities finalize this process, the implementation of OSP at institutional and national level will be ensured. | Internal monitoring of the OSP implementation New Statute of University of Novi Sad includes Open Science clause. New Statute of University of Belgrade includes Open Science clause. |
| E2 | Advanced support system for implementation of open science at Serbian universities | 6/17 | 9/19 | UNS, UB, UAB, UNIKG, UNI, SUNP | All Serbian universities will continue to advance their OS supporting services, in line with adopted national and institutional policy documents. | Bibliometric indicators |

Changes that have occurred in this result since the original proposal:

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TABLE OF ACHIEVED / PLANNED RESULTS

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| <u>Title and reference number of the work package (WP)</u> | <i>Management (WP7)</i> |
| <u>Indicators of achievement and or/performance as indicated in the project proposal</u> | <p>M.1 Steering Committee and Task management groups' established</p> <p>M.2 Project deliverables met in time, project helpdesk organized.</p> <p>M.3 Kick-Off, Consortium meetings and Partner Country meetings organized.</p> <p>M.4 Partner activities carried out in accordance with work plan.</p> <p>M.5 Costs are kept to the planned budget.</p> |

Activities carried out to date to achieve this result:

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity carried out | Specific and measurable indicators of achievement |
|-------------|---|------------|----------|--------------------------|---|---|
| M1 | Setting up project management bodies and task management working groups | 12/16 | 5/19 | All partner institutions | University of Novi Sad, as the coordinator of the BE-OPEN project, was responsible for setting up management bodies and task management groups, as well as deadlines for the reports and financial statements, kick-off and consortium meetings. Team members of each partner institution were determined and the Project Steering Committee members and Quality Assurance Team were established during the Kick-off meeting. All information is available in the BE-OPEN project organization. | Project organization chart, agendas, minutes, attendance lists, conclusions BE-OPEN project organization |
| M2 | Project management | 10/16 | 9/19 | All partner institutions | Project management on daily basis, communication with and among partners, beneficiaries, EACEA and NEO, internal monitoring and helpdesk. Management of project activities at the level of each partner institution and regular reporting on the current state of the project implementation. | Correspondance with partners, administration portal, EACEA/NEO reports BE-OPEN administration portal |
| M3 | Kick-off, Consortium meetings and Partner Country meetings | 12/16 | 9/19 | All partner institutions | University of Novi Sad, as the coordinator of the BE-OPEN project, organized the Kick-off meeting and first consortium meeting with all partner institutions on December 12-13, 2016 at the University of Novi Sad, when the Project organizational structure was set up (Steering Committee, WP leaders) and the project activities discussed. | Meeting Reports (participant lists, agendas, minutes, conclusions) BE-OPEN Kick-off meeting |

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| | | | | | <p>Promotional materials as well as the project logo were designed and presented at the Kick-off meeting. Deadlines for financial and narrative reports, further the project workplan was confirmed as well as the activities to be implemented by the whole consortium were defined during the Kick-off meeting.</p> <p>The second Consortium meeting with all partner institutions was organized in continuation of the study visit to the University of Udine, Italy in September 28-29, 2017 when accomplished activities and further steps were discussed.</p> <p>The third Consortium meeting with all partner institutions was organized at the University of Niš in March 22-23, 2018 when implemented activities, challenges and financial issues were discussed.</p> | <p>2nd Consortium meeting at the University of Udine, Italy</p> <p>3rd Consortium meeting at the University of Nis, Serbia</p> |
| M4 | Reports on partners' activities | 3/17 | 9/19 | All partner institutions | The deadlines for financial and narrative reports of partner institutions were agreed during the Kick-off meeting and confirmed within Partnership agreements. Partner institutions have to produce 5 reports in total during the project lifetime. Up to this moment all partners have delivered their reports on time. | Activity reports with supporting documents |
| M5 | Financial Reports and bookkeeping | 11/16 | 9/19 | All partner institutions | All templates for narrative and financial reporting can be found on the BE-OPEN administration platform within the project website together with Instructions for financial reporting. | <p>Financial reports with supporting documents</p> <p>Instructions for financial reporting.</p> |

Activities to be carried out to achieve this outcome (before the end of the project)

| Activity N° | Activity Title | Start date | End date | Place | Description of the activity to be carried out | Specific and measurable indicators of progress |
|-------------|---|------------|----------|--------------------------|---|--|
| M2 | Project management | 10/16 | 9/19 | All partner institutions | Project management on daily basis, communication with and among partners, beneficiaries, EACEA and NEO, internal monitoring and helpdesk. Management of project activities at the level of each partner institution and regular reporting on the current state of the project implementation. | Correspondance with partners, administration portal, EACEA/NEO reports |
| M3 | Kick-off, Consortium meetings and Partner | 12/16 | 9/19 | All partner institutions | The fourth Consortium meeting will take place at the University of Belgrade on October 17, 2018. | Meeting Reports (participant lists, agendas, minutes, |

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| | Country meetings | | | | The fifth Consortium meeting will take place at the State University of Novi Pazar in April 2019. The sixth (final) Consortium meeting will be held at the University of Novi Sad in October 2019. | conclusions) |
| M4 | Reports on partners' activities | 3/17 | 9/19 | All partner institutions | The deadlines for financial and narrative reports of partner institutions were agreed during the Kick-off meeting and confirmed within Partnership agreements. Partner institutions have to produce 5 reports in total during the project lifetime. Up to this moment all partners have delivered their reports on time. | Activity reports with supporting documents |
| M5 | Financial Reports and bookkeeping | 11/16 | 9/19 | All partner institutions | All templates for narrative and financial reporting can be found on the BE-OPEN administration platform within the project website together with Instructions for financial reporting. | Financial reports with supporting documents |

Changes that have occurred in this result since the original proposal:

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