



# Boosting Engagement of Serbian Universities in Open Science

# Main issues

Evaluation

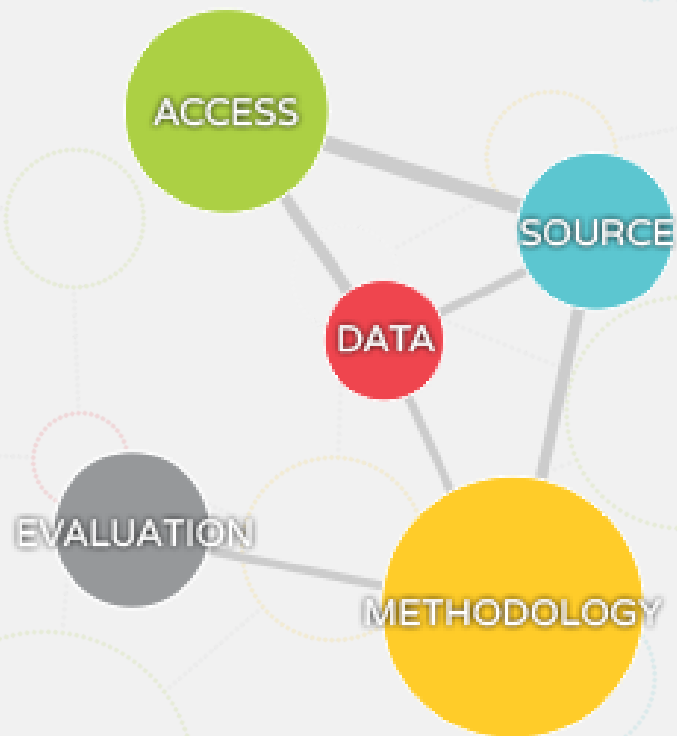
Transparency

Categorization

Dissemination

Visibility

# Open Science



# Aims of Project

Policy level

Level of technical capacity

Level of enhancing professional  
knowledge and skills

Level of implementation of the  
project results

Level of integration of science  
and technology

# Aims of Project

Policy level

Level of technical capacity

Level of enhancing professional knowledge and skills

Level of implementation of the project results

Level of integration of science and technology

**Developing strategy of OS at university level, which should harmonize the basic principles of treatment of the scientific research results with the highest European standards.**

# Aims of Project

Policy level

**Level of technical capacity**

Level of enhancing professional knowledge and skills

Level of implementation of the project results

Level of integration of science and technology

**Developing digital repositories of scientific papers and scientific data.**

**All teachers, staff and PhD students at universities will be introduced to the possibilities that this approach to science offers.**

# Aims of Project

Policy level

**Level of technical capacity**

Level of enhancing professional knowledge and skills

Level of implementation of the project results

Level of integration of science and technology

**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.**

# Aims of Project

Policy level

Level of technical capacity

**Level of enhancing professional  
knowledge and skills**

Level of implementation of the  
project results

Level of integration of science  
and technology

**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.**



# Aims of Project

Policy level

Level of technical capacity

Level of enhancing professional  
knowledge and skills

**Level of implementation of the  
project results**

Level of integration of science  
and technology

**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.**

# Aims of Project

Policy level

Level of technical capacity

Level of enhancing professional  
knowledge and skills

Level of implementation of the  
project results

**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.**

# Specific Targets

**Development and adjustment of national and institutional guidelines, policies, and incentives related to the open science principles.**

**Encouraging infrastructure development and interoperability to support the implementation of open science principles in research and education.**

**Building institutional and individual capacities for sustainable implementation of open science principles and maximizing the impact of research.**

# Introducing

**University of Novi Sad**



**University of Belgrade**



**University of Arts in Belgrade**



**University of Niš**



**University of Kragujevac**



**State University of Novi Pazar**



**University of Udine**



**Leiden University**



**National Technical University of  
Athens**



**Goldsmiths College, University of  
London**



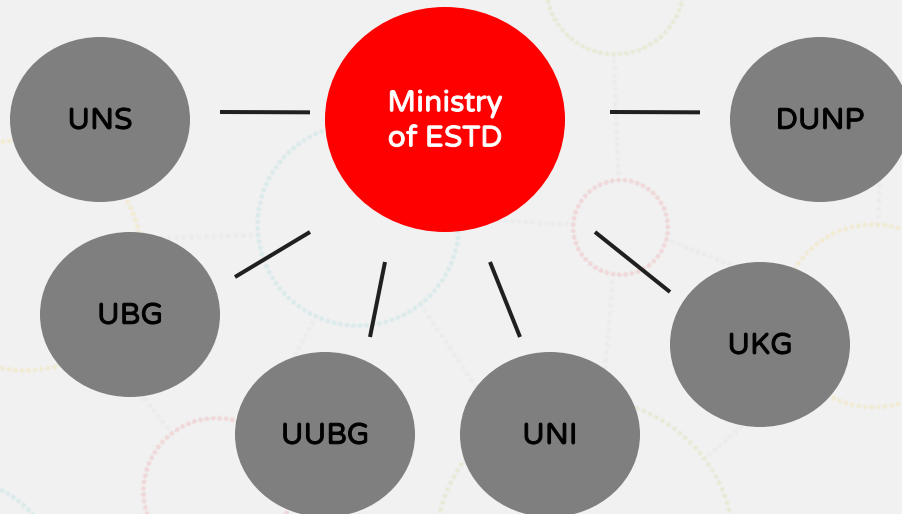
**Ministry of Education, Science and  
Technological Development**



# Specific Targets

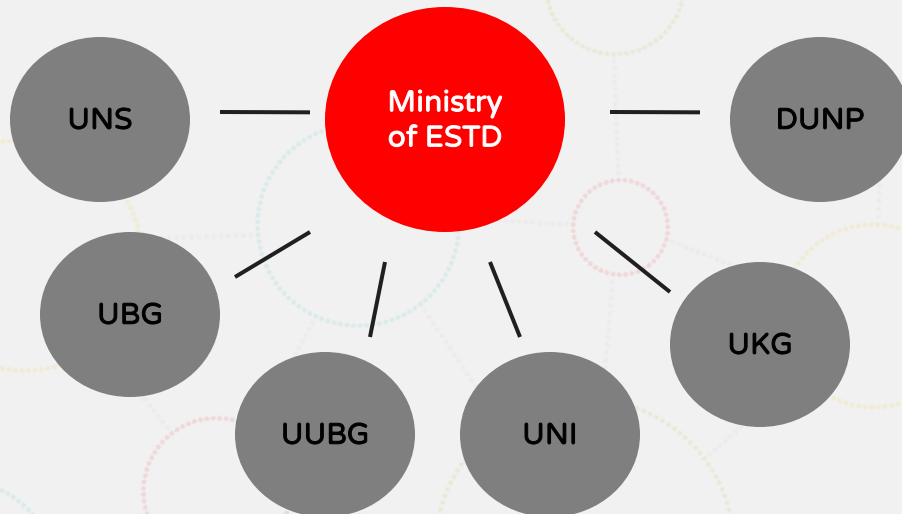
Development and adjustment of national and institutional guidelines, policies, and incentives related to the open science principles.

- Recommendations for the successful implementation of both open access and open data at the national level
- Institutional strategies of Open Science at all state universities in Serbia
- Modifications of bylaws to universities in order to provide conditions for obligation for storage of scientific publications in the planned digital repositories



# Specific Targets

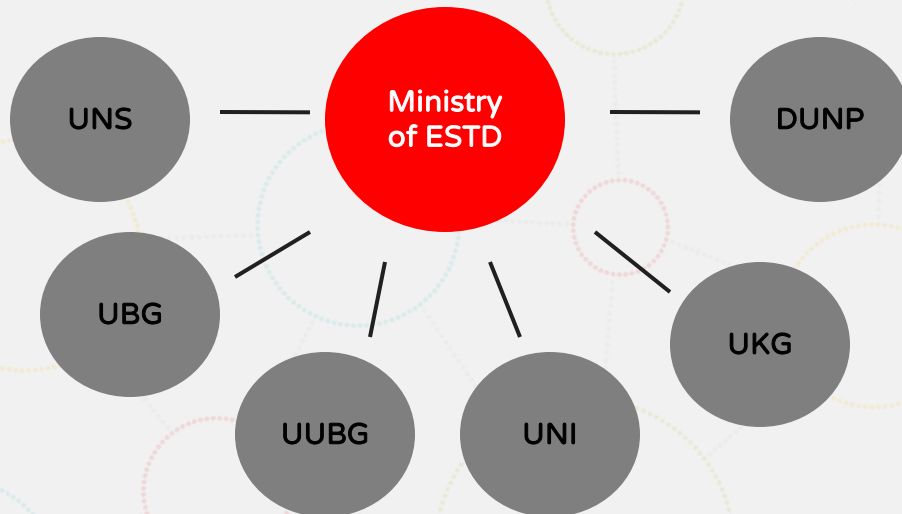
Development and adjustment of national and institutional guidelines, policies, and incentives related to the open science principles.



- Recommendations for the successful implementation of both open access and open data at the national level
- Institutional strategies of Open Science at all state universities in Serbia
- Modifications of bylaws to universities in order to provide conditions for obligation for storage of scientific publications in the planned digital repositories

# Specific Targets

Development and adjustment of national and institutional guidelines, policies, and incentives related to the open science principles.

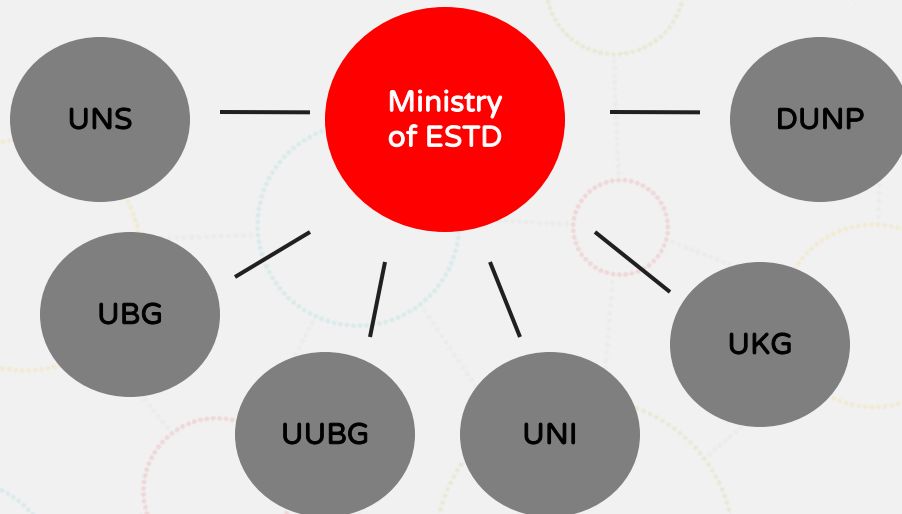


- Recommendations for the successful implementation of both open access and open data at the national level
- Institutional strategies of Open Science at all state universities in Serbia
- Modifications of bylaws to universities in order to provide conditions for obligation for storage of scientific publications in the planned digital repositories

# Specific Targets

Development and adjustment of national and institutional guidelines, policies, and incentives related to the open science principles.

- Standard for digital repositories that will allow the technical performance similar to the world's leading repositories
- Standards for the evaluation of the scientific performance of researchers at public universities in Serbia.

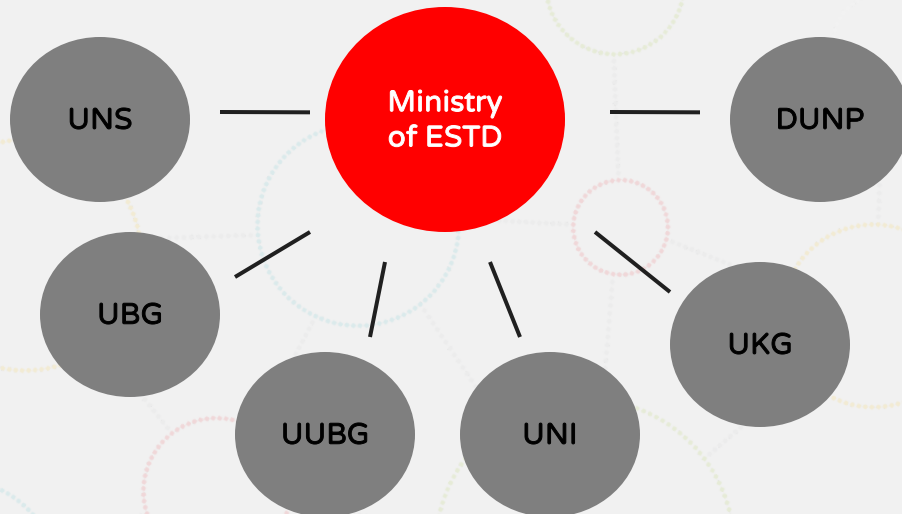




# Specific Targets

Development and adjustment of national and institutional guidelines, policies, and incentives related to the open science principles.

- Standard for digital repositories that will allow the technical performance similar to the world's leading repositories
- Standards for the evaluation of the scientific performance of researchers at public universities in Serbia.



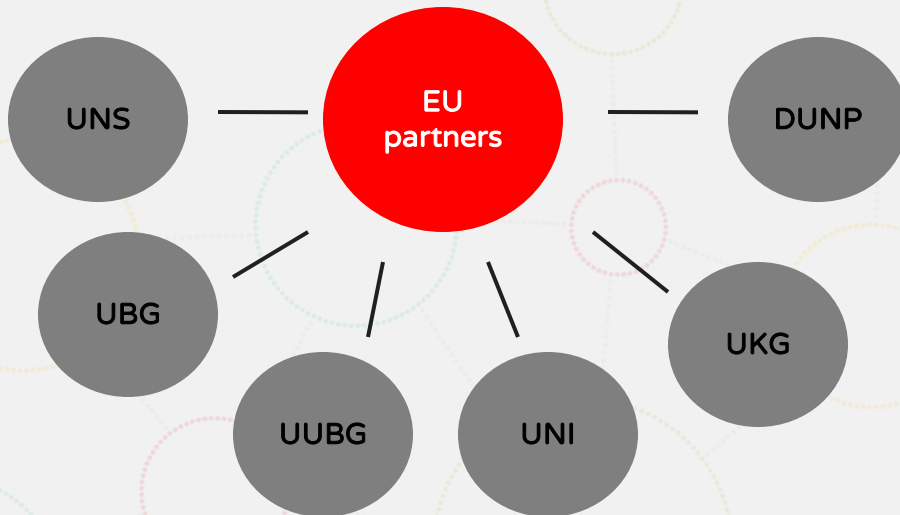
# Specific Targets

Encouraging infrastructure development and interoperability to support the implementation of open science principles in research and education.

- Creating a platform for the digital repository of the scientific research results and scientific data

- Creating web services for knowledge and technology transfer between science and industry

- Setting up repositories and platforms within the university web services, to make them available for users.



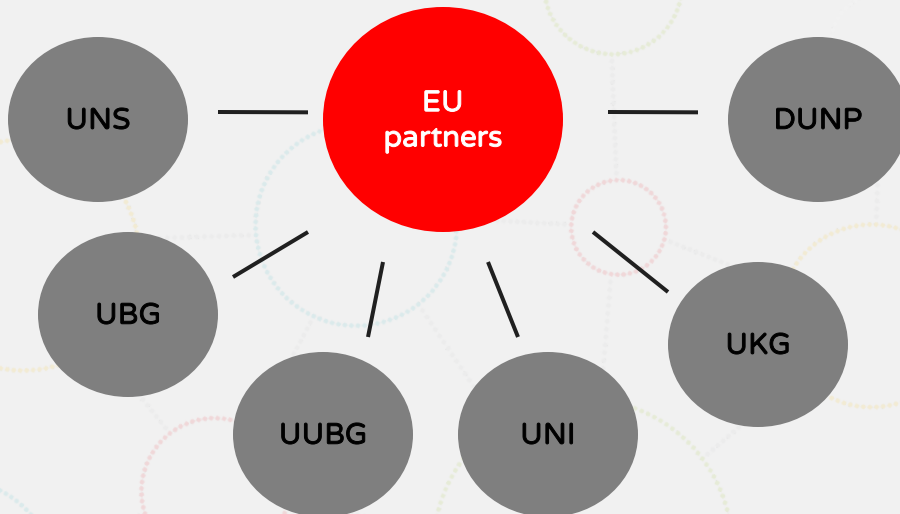
# Specific Targets

Encouraging infrastructure development and interoperability to support the implementation of open science principles in research and education.

- Creating a platform for the digital repository of the scientific research results and scientific data

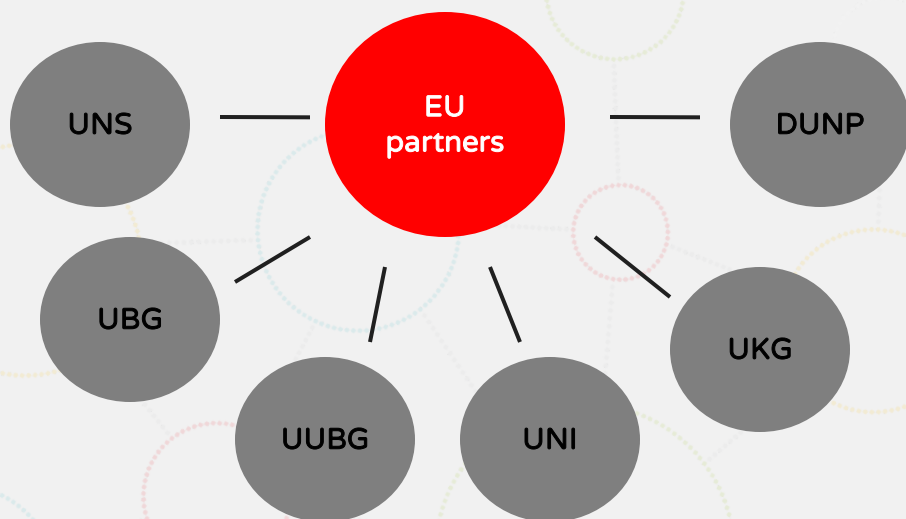
- Creating web services for knowledge and technology transfer between science and industry

- Setting up repositories and platforms within the university web services, to make them available for users.



# Specific Targets

Encouraging infrastructure development and interoperability to support the implementation of open science principles in research and education.



•Creating a platform for the digital repository of the scientific research results and scientific data

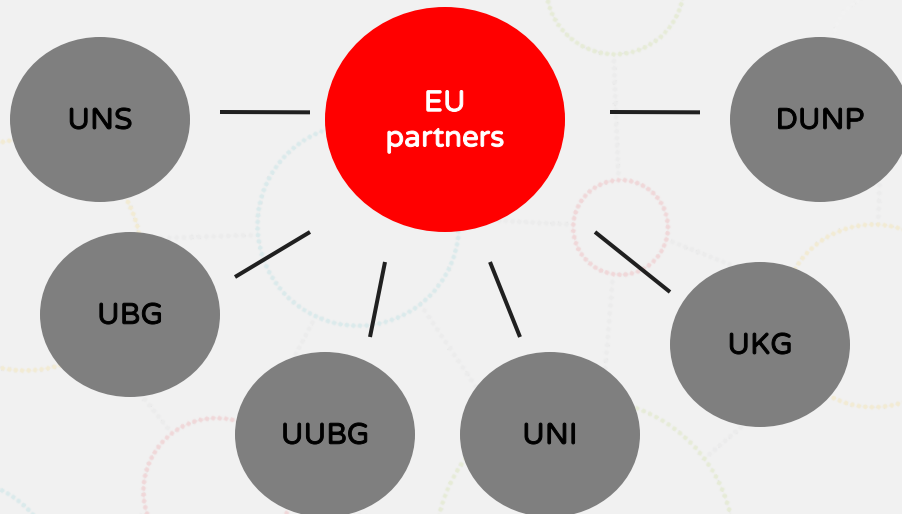
•Creating web services for knowledge and technology transfer between science and industry

•Setting up repositories and platforms within the university web services, to make them available for users.

# Specific Targets

Building institutional and individual capacities for sustainable implementation of open science principles and maximizing the impact of research.

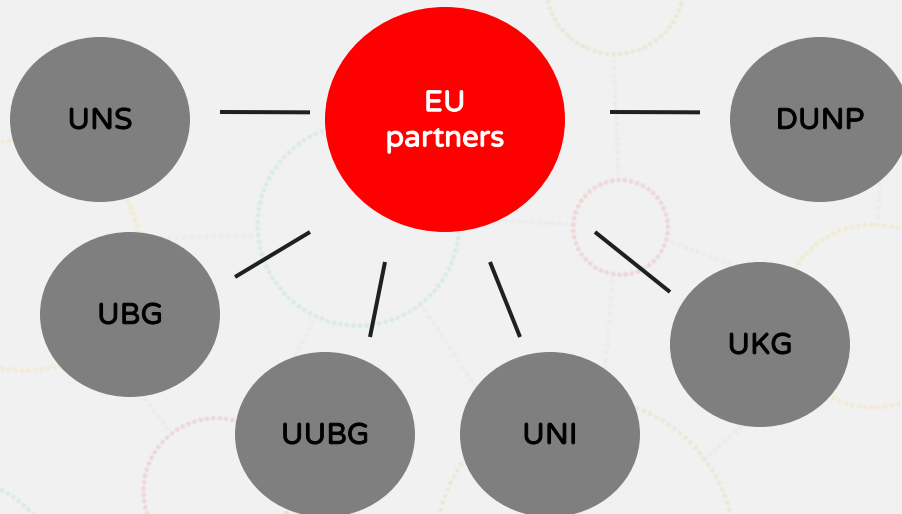
- Public presentation of the strategy of open access at the university level
- Training of trainers by the EU partners on improving the editorial policy of the journals, which are published within the state universities in Serbia
- Training for journal editors on improving good practices in academic journal editing



# Specific Targets

Building institutional and individual capacities for sustainable implementation of open science principles and maximizing the impact of research.

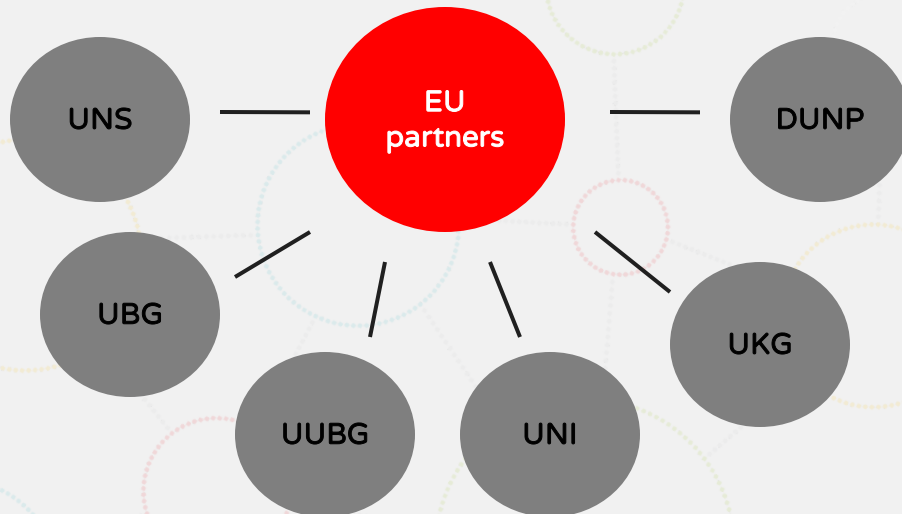
- Public presentation of the strategy of open access at the university level
- Training of trainers by the EU partners on improving the editorial policy of the journals, which are published within the state universities in Serbia
- Training for journal editors on improving good practices in academic journal editing



# Specific Targets

Building institutional and individual capacities for sustainable implementation of open science principles and maximizing the impact of research.

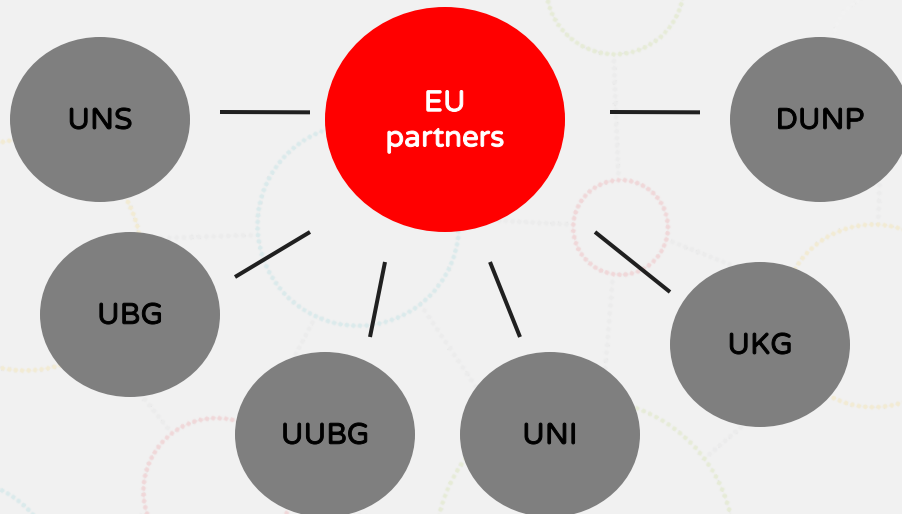
- Public presentation of the strategy of open access at the university level
- Training of trainers by the EU partners on improving the editorial policy of the journals, which are published within the state universities in Serbia
- Training for journal editors on improving good practices in academic journal editing



# Specific Targets

Building institutional and individual capacities for sustainable implementation of open science principles and maximizing the impact of research.

- 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.



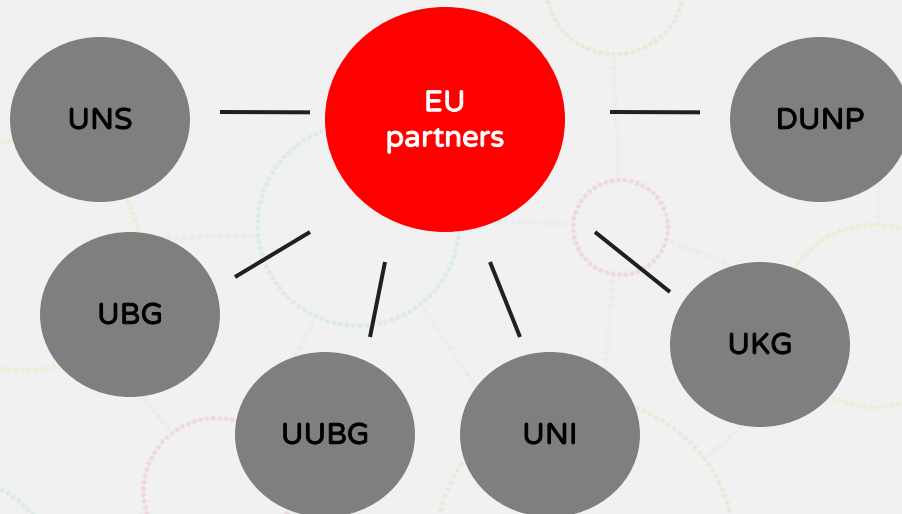
Boosting Engagement of Serbian Universities in Open Science  
Kick-off Meeting, Novi Sad, 12-13 December 2016



# Specific Targets

Building institutional and individual capacities for sustainable implementation of open science principles and maximizing the impact of research.

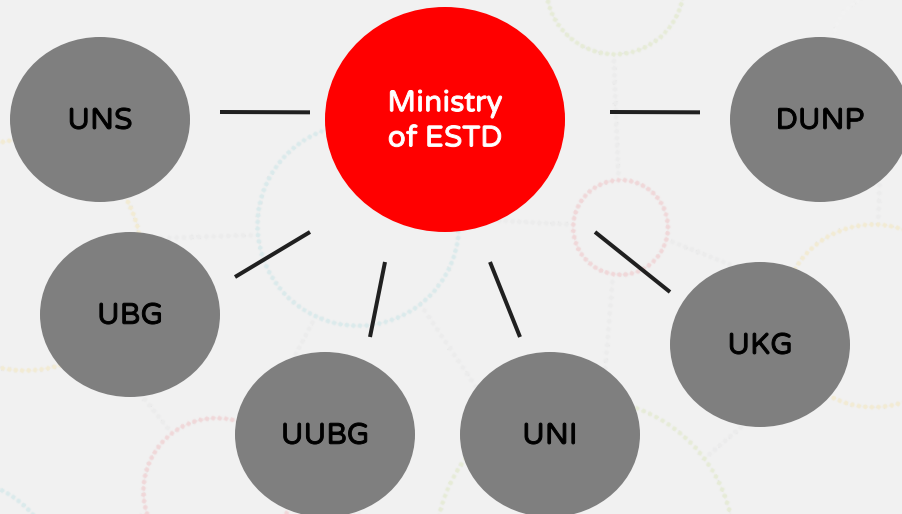
- Workshops in the methods of implementing the open science policy and the use of repositories for researchers and PhD students
- Workshops for industry representatives on ways of using technology transfer.



Boosting Engagement of Serbian Universities in Open Science  
Kick-off Meeting, Novi Sad, 12-13 December 2016

# Specific Targets

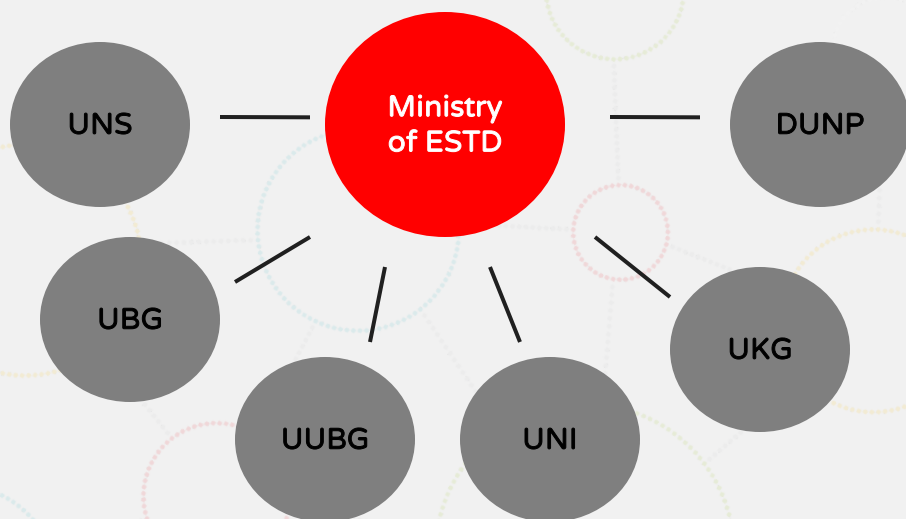
## Accompanyng activities



- Creating a registry of companies as potential participants in the process of transfer of knowledge and technology
- Creating recommendations for editorial strategies in scientific journals, based on the open access policy
- Creating a registry of all laboratories, research centers, start-up companies, patents, works of art within the repository.

# Specific Targets

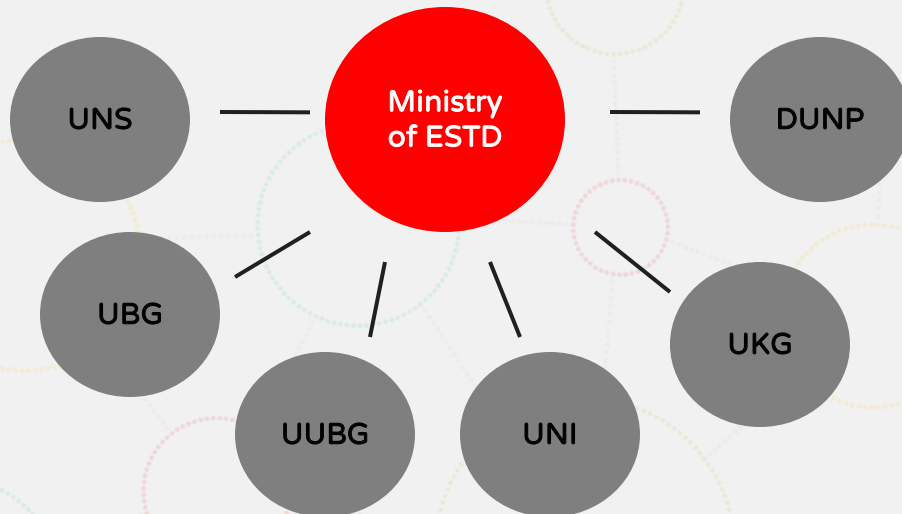
## Accompanyng activities



- Creating a registry of companies as potential participants in the process of transfer of knowledge and technology
- Creating recommendations for editorial strategies in scientific journals, based on the open access policy
- Creating a registry of all laboratories, research centers, start-up companies, patents, works of art within the repository.

# Specific Targets

## Accompanyng activities

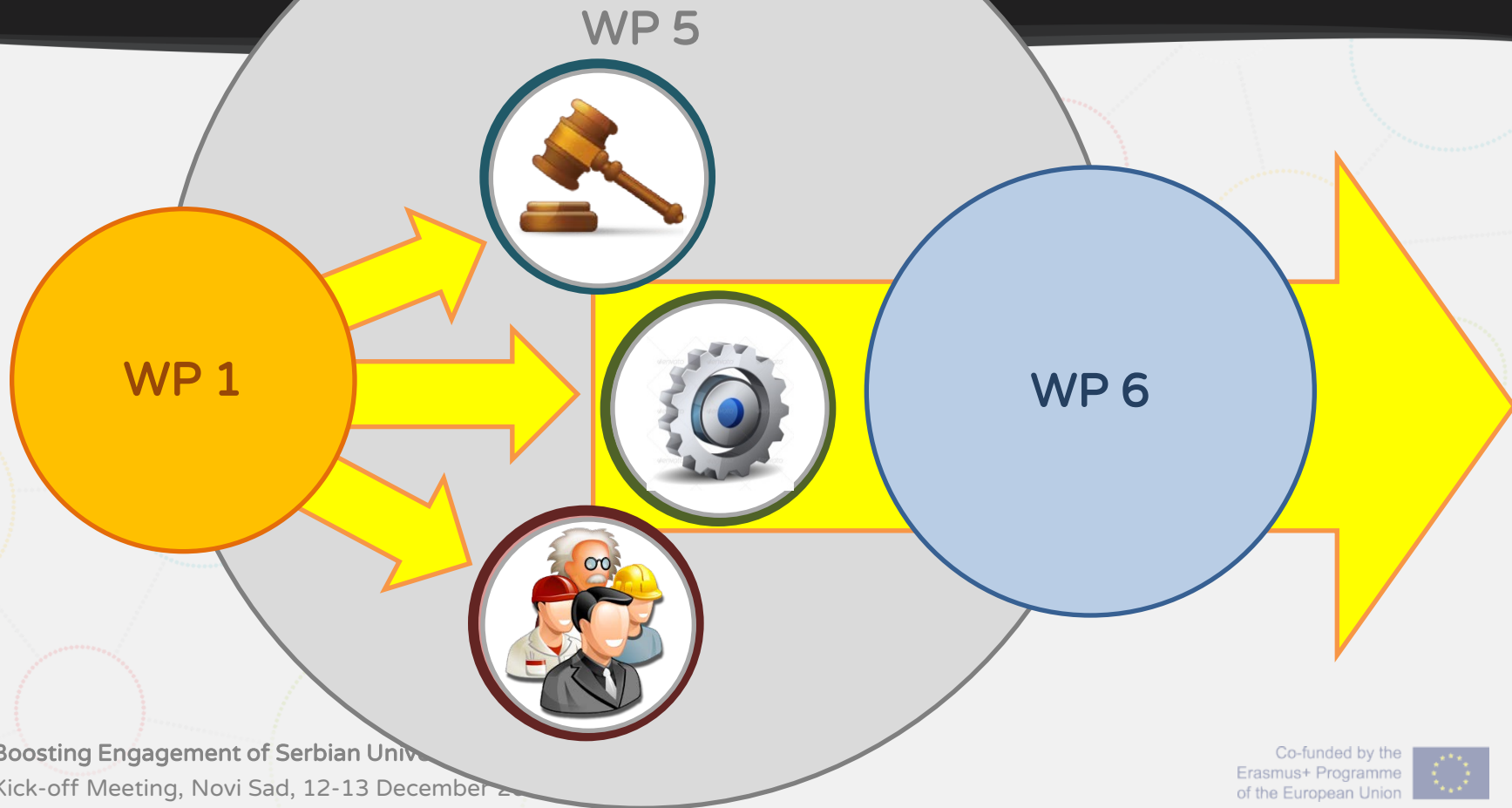


- Creating a registry of companies as potential participants in the process of transfer of knowledge and technology
- Creating recommendations for editorial strategies in scientific journals, based on the open access policy
- Creating a registry of all laboratories, research centers, start-up companies, patents, works of art within the repository.



# BE-OPEN Work Packages

# WORK PACKAGES



## MAPPING OF THE CURRENT OPEN SCIENCE POTENTIALS AT SERBIAN UNIVERSITIES

Analyse the existing [national legislatives](#) and institutional policies

Analyse the current [infrastructure](#) interoperability

Analyse the [attitudes](#) towards and [knowledge](#) of OSP among university officials, researchers, journal editors, and PhD students



## DEVELOPING AND ADJUSTING GUIDELINES, POLICIES, AND INCENTIVES

Develop and harmonize national and instructional legislation, guidelines, and policies related to OSP in order to:

1. Ensure better coordination and (research) collaboration among researchers, government, society, and industry
2. Promote OSP as a globally accepted mechanism for making research more sensitive towards societal and economic needs
3. Promote digital repositories as a tool for evaluating and improving the accountability of publicly-funded research





## INFRASTRUCTURAL SUPPORT FOR THE OPEN SCIENCE PRINCIPLES

Establishing a set of national standards in depositing, archiving, and distributing scientific research data produced at Serbian universities

Develop, standardize, and integrate institutional repositories as open science platforms at the Serbian HEIs

Develop a Web service for the knowledge transfer between universities and industry



## BUILDING CAPACITIES FOR IMPLEMENTATION OF OPEN SCIENCE PRINCIPLES

Motivating and educating all relevant stakeholders about the advantages and disadvantages, possibilities and limitations, as well as legal and technical aspects of OSP implementation

Build the registry of private foundations and non-government research funders for open science research

Define the set of indicators to monitor and evaluate the effects of the implementation of OSP at the Serbian HEIs

## QUALITY CONTROL OF PROJECT ACTIVITIES

Quality reports on Project actions, achievements, and outcomes

Evaluation reports on project achievements by EU partner

Fine-tuning activities related to university procedures and regulations conducted in line with feedback from EU partners

External evaluation by the external auditing agency

## DISSEMINATION

Organization of conferences and promotional activities

Development, design and maintenance of the project website and open science webpage embedded into universities' and Ministry websites.

Organization of marketing and PR activities, design, publishing and distribution of promotional materials.

Monitoring of the implementation of national and institutional Open Science policies and strategies

# Priorities - March 2017

Promotional materials design

Website(s) development

Promotion, education, feedback, evaluation...

**Report on existing legislatives and incentives**

**Questionnaire(s) design and validation**

# Visual identity



Boosting Engagement of Serbian Universities in Open Science  
Kick-off Meeting, Novi Sad, 12-13 December 2016

# Visual identity



Boosting Engagement of Serbian Universities in Open Science  
Kick-off Meeting, Novi Sad, 12-13 December 2016

Co-funded by the  
Erasmus+ Programme  
of the European Union



<http://www.beopen.uns.ac.rs>