

The Programme of Implementation of Open Science Principles in Montenegro with the Action Plan (2020-2022)

Equity and inclusion: Open Science policies webinar

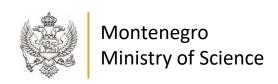
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Development process

- WG composed of MoS representatives, a representative of University of Montenegro and an external expert;
- Consultations with main research institutions and stakeholders;
- Adopted by the Government in June 2020.

1st stage of fully aligning the Montenegrin research ecosystem with OS principles in ERA.



<u>Vision</u>

Research activities should be based on Open Science principles, which implies that they should benefit society as a whole, and that public funding directed at research activities ought to be spent efficiently and transparently.



OS objective

To make every step of the scientific process visible and accessible and to make it available to both the scientific and the wider community.

Reality

The process is much more closed, fragmented and isolated from social problems than expected.

Reasons:

- pursuit of personal/individual success;
- trying to boost the citation rates;
- scientific policies oriented to the commercialisation;
- etc.



Situation with OS in Montenegro

No national or institutional policies.

<u>Initiatives of Ministry of Science</u>:

- Co-financing the publication of papers by Montenegrin researchers in Open Access journals;
- Supporting the publication of Open Access scientific journals indexed in the DOAJ.

<u>Initiatives of University of Montenegro</u>:

- Signed Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities in October 2018;
- Digital archive of the University, with open electronic database of doctoral dissertations.



Primary OS aspects in Montenegro to be further developed

- 1. Open Access to Scientific Publications
- 2. Open Access to Research Data
- 3. Open Access to Research Infrastructures

Phased approach - gradual development of the necessary framework



Open Access to Scientific Publications

- Establishing the **national repository** for publications;
- Establishing adequate rules and policies that will apply to research process stakeholders;
- Mandatory green open access.
- Interim recommendation using well-known international repositories (Green OA).



Open Research Data

- Establishing a **national repository** for data storage;
- Adopting the accompanying rules and procedures;
- Mandatory data storing at national repository immediately after the publication is published.
- Interim recommendation storing data in existing repositories.



Open Research Infrastructures

- Creating national digital registry for research infrastructures <u>OR</u> joining one of the existing, international, stable platforms;
- Clearly defined rules of access and use of research infrastructures.
- National Roadmap for Research Infrastructure (2015-2019);
- New round of mapping to be carried out in 2021.



Research assessment criteria

Introduce criteria for assessment and rewarding of researchers following the OS principles, including:

- Additional acknowledgment of OA publications, in the assessment of one's research work;
- Integrating research data management, openness and FAIR principles into the process of assessment and evaluation of research at different levels;
- Promotion of researchers who practice the Open Science principles;
- Acknowledging the practice of the Open Science principles during:
 - Researcher recruitment procedures;
 - Evaluation of project proposals;
 - Evaluation of the institutions;
 - Awarding research rewards.



Promotion of Open Science

- Raising awareness of <u>all stakeholders</u> through:
 - Promotional events;
 - Education and training of PhD students, including the modification of their curricula;
 - Training of researchers;
 - Training of support staff;
 - Discipline-specific guidance and training;
 - Stakeholder-specific guidance and training.



To sum up

OPERATIONAL GOALS

- Improving legislative framework that enables the application of Open Science principles;
- 2. Establishing national infrastructure for Open Science to improve research and innovation activities;
- 3. Enhancing the implementation of Open Science principles to improve excellence and relevance of scientific research activities;
- 4. Developing human capital through education and promotion of Open Science principles to strengthen competitiveness in the field of research.



THANK YOU!

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