

National Tripartite Event EOOSC

Bulgaria

Open Science Memorandum of understanding of RPOs

Prof. Aneta Karaivanova, IICT-BAS

28 March 2023 Sofia



REPUBLIC OF BULGARIA
Ministry of Education and Science

National OS Initiative in Bulgaria: Open Data and Cloud Computing

- On December 9, 2021, nine scientific organizations signed a Memorandum of Understanding (MoU) establishing the *National Open Data and Cloud Computing Initiative* (NI ODCC) in order to create:
 - synergies at national level between organizations with a role and interest in the European Open Science Cloud
 - integration of open data infrastructures (storage) and cloud computing (services and resources) in the EOSC
 - supporting activities to optimize services for research and innovation;
 - sharing and disseminating information about the infrastructure, services and expertise of the participants, about their work and achievements.
- The final document was prepared after a **6 months' intensive work of an initiative WG** following the recommendations given at the EOSC symposium in 2021 and by the models, developed in the framework of NI4OS-Europe project, and several presentations including the discussion during the National Information Day on Open Science held in September 2021.

Open Data and Cloud Computing National Initiative: the partners

- The coordinating organization of the initiative is the Institute of Information and Communication Technologies, Bulgarian Academy of Sciences (www.iict.bas.bg).
- Partners are 5 Bulgarian universities and 4 institutes of the BAS:
 - Sofia University "St. Kliment Ohridski" (www.uni-sofia.bg)
 - Technical University – Sofia (www.tu-sofia.bg)
 - Medical University – Sofia (www.mu-sofia.bg)
 - University of Plovdiv "Paisii Hilendarski" (www.uni-plovdiv.bg)
 - University of Library Studies and Information Technologies – Sofia (www.unibit.bg)
 - The Institute of Mathematics and Informatics (www.math.bas.bg)
 - The National Institute of Geophysics, Geodesy and Geography (www.niggg.bas.bg)
 - The Institute of Mechanics (www.imbm.bas.bg)
- The MoU remains open for new members to join



MoU: objectives



- Objective 1: Creating synergy at the national level between organizations that have a role and interest in EOSC, optimizing national activities with a view to *integration of national infrastructures related to open data and cloud computing*
- Objective 2: *Provide support to the research community at national level* regarding the implementation of "Open Science" and "Open Science Cloud" policies in accordance with European recommendations and policies and provide support for the development of capabilities, specific to Open Science;
- Objective 3: Contribute to the identification, creation and administration of *national open data resource infrastructures and services* specific to the "Open Science Cloud" and compatible with the EOSC for the benefit of the research community.

E-Infrastructure facilities

- Avitohol supercomputer (top500 system), IICT
- System for Data storage for 6.72 PB of data, IICT
- 3 HPC systems, SU and TU
- NVIDIA V100-based servers, IICT, IMI, PU, MU, UniBIT, PU, IMeh, NIGGG
- Comprehensive portfolio of systems and services, capable of serving diverse needs



2022: implementation

- In 2022 the team already started with:
 - Identification of digital resources, general and thematic cloud services owned by the partners
 - Thematic services for onboarding to EOSC catalogue
 - Development and provision of training materials on open data and cloud computing to the academic community;
 - Translated into Bulgarian
 - Technical assistance to ensure compliance with EOSC requirements;
 - Promotion of EOSC and FAIR principles and their adoption by scientific data providers;
 - 2 trainings
 - Organization of the National Information Day on Open Science, 23 September 2022 (hybrid event)
 - Summarizing the OS activities and achievements during the last year in a paper (OA)

Desislava Paneva-Marinova
Radoslav Pavlov • Peter Stanchev
Detelin Luchev
Editors

**Digital Presentation and Preservation of
Cultural and Scientific Heritage**

International Conference

Burgas, Bulgaria
23-25 September, 2022

Proceedings



Volume 12

Conclusion

- The Bulgarian National OS Initiative is built upon a successfully working consortium
 - Considerable knowledge and expertise within the consortium
- Expanding the scope of activities
- Good relations with MES and NACID
- We acknowledge the EOSC related projects (with Bulgarian participation): NI4OS-Europe, EGI-ACE, Skills4EOSC, VI-SEEM, OpenAir, etc., for inspiration and help.