

INFORMAČNÍ WEBINÁŘ K VÝZVÁM ERA 2021 – 22

OPEN SCIENCE

Jiří Kotouček



DEFINITIONS

Open Science - An approach to the scientific process based on open cooperative work, tools and diffusing knowledge.

Open Access - Online access to research outputs provided free of charge to the end-user.



PUBLICATIONS

The beneficiaries must ensure open access to **peer-reviewed scientific publications** relating to their results.

- **at the latest at the time of publication**, a machine-readable electronic copy of the **published version**, or the **final peer-reviewed manuscript** accepted for publication, **is deposited in a trusted repository** for scientific publications
- **immediate open access** is provided to the deposited publication via the repository → **NO EMBARGO**
- must **retain copyright**



PUBLICATIONS



Research and Innovation

Open Research Europe

<https://open-research-europe.ec.europa.eu/>

THE DIRECTORY OF OPEN ACCESS JOURNALS

Find open access journals & articles.

<https://doaj.org/>



LICENSES













- Latest version:


PAPERS





LONGER TEXTS





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 You have to attribute
the original work

 You can use the work
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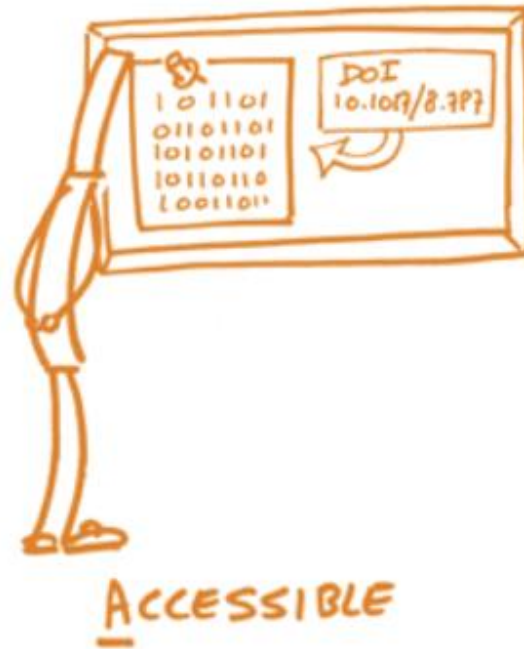
METADATA

- Publication (author(s), title, date of publication, publication venue);
- Horizon Europe or Euratom funding, grant project name, acronym and number;
- Licensing terms;
- Persistent identifiers for the publication.



RESEARCH DATA

FAIR DATA PRINCIPLES



RESEARCH DATA

DATA
MANAGEMENT
PLANS

First version: M6

DATA



METADATA



„As open as possible, as closed as necessary.“



RESEARCH DATA

Open unless:

- be against the beneficiary's **legitimate interests**, including regarding commercial exploitation, or
- be **contrary to any other constraints**, in particular the EU competitive interests or the beneficiary's obligations under this Agreement; if open access is not provided (to some or all data), this must be justified in the DMP



ADDITIONAL WP/CALL PRACTICES

- Validation of scientific publications
- Public emergency
- Other



OS IN PROJECT PROPOSAL

Excellence

- Describe how **appropriate open science practices are implemented** as an integral part of the proposed methodology. Show how the choice of practices and their implementation are adapted to the nature of your work, in a way that will increase the chances of the project delivering on its objectives [e.g. 1 page]. If you believe that none of these practices are appropriate for your project, please provide a justification here.
- **Research data management** and management of other research outputs: Applicants generating/collecting data and/or other research outputs (except for publications) during the project must provide maximum 1 page on how the data/ research outputs will be managed in line with the **FAIR principles** (Findable, Accessible, Interoperable, Reusable), addressing the following (the description should be specific to your project): [1 page]



OS IN PROJECT PROPOSAL

Implementation

- Explain expertise on OS (if no OS practices are involved then no expertise required)
- List publications, software, data, etc, relevant to the project with qualitative assessment and, where available, persistent identifiers
- Publications expected to be open access; datasets expected to be FAIR and ‘as open as possible, as closed as necessary’



ELIGIBLE COSTS

APCs
No hybrid journals!



DATA



- Collection and organisation
- Documentation
- Depositing, Archivation
- Security
- Anonymization
- Cleaning
- Digitization

CALLS

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2021 – 2022



HORIZON-WIDERA-2021-ERA-01-40: MODELLING AND QUANTIFYING THE IMPACTS OF OPEN SCIENCE PRACTICE

Type of Action: RIA

Expected Outcomes:

- Structured evidence of scientific, societal and economic impacts of open science practice, complemented by the new methods, tools and data required to measure them.
- Better knowledge on how impacts develop and how a diversity of benefits can be achieved at scientific, societal and economic levels.
- Better understanding on how the practice of open science can contribute to the increased reproducibility of research results.

Long-term Outcomes:

- Prioritisation of policy actions for open science, and improved policy making on open science.
- Maximised impact of open science.
- Increased capacity in the EU R&I system to conduct open science and to set it as a modus operandi of modern science.



HORIZON-WIDERA-2021-ERA-01-41: GLOBAL COOPERATION ON FAIR DATA POLICY AND PRACTICE

Type of Action: CSA

Expected Outcomes:

- Strengthened international cooperation to increase and mainstream FAIRness of data and digital objects.
- Connection of disconnected initiatives on data management, data stewardship and FAIR data practices, across borders and disciplines, as enablers of open science.
- Increased FAIR data sharing within and across scientific disciplines and innovation sectors

Long-term Outcomes:

- Proliferation of interdisciplinary research that helps address societal challenges.
- More efficient research practices as a result of an increased reproducibility of research and reduced duplication of efforts.
- Better informed citizens and society about the results and value of research.
- Improved quality of R&I within the EU.
- Contributions to sustainable growth and faster innovation in Europe, and beyond, in the context of the global economy.



HORIZON-WIDERA-2021-ERA-01-43: CAPACITY-BUILDING FOR INSTITUTIONAL OPEN ACCESS PUBLISHING ACROSS EUROPE

Type of Action: CSA

Expected Outcomes:

- Improved understanding of the current landscape of institutional scientific publishing activities across Europe.
- Coordination amongst institutional publishing services and initiatives across Europe at the non-technological level and improve their overall service efficiency, in particular in a multilingual environment.
- Actionable recommendations for strategies regarding institutional publishing in research performing organisations across the European Research Area.

Long-term Outcomes:

- Increased equity, diversity and inclusivity of open science practices in the European Research Area.
- Increased capacity in the EU R&I system to conduct open science and set it as a modus operandi of modern science.



HORIZON-WIDERA-2022-ERA-01-40: STEPPING-UP INSTITUTIONAL AND TERRITORIAL CHANGES TOWARDS OPEN AND RESPONSIBLE RESEARCH AND INNOVATION

Type of Action: CSA

Expected Outcomes:

- Consolidated evidence base on sustainable institutional and territorial changes towards open and responsible research and innovation;
- A central point of expertise providing services and support for research and innovation institutions, and territories, to open up to society;
- A significant number of institutions and territories in the European Research Area (ERA) become more porous to society, align with the needs, values and expectations of society, improve the excellence of their research and innovation, promote gender equality, and reduce instances of ethical misconduct;
- Reduction in disparities between institutions and territories in terms of their attention to open and responsible research and innovation.

Long-term Outcomes:

- Open and responsible research and innovation practices mainstreamed throughout territorial and institutional settings;
- Increased impact of EU R&I outputs and the conversion of knowledge and ideas into products and services.



HORIZON-WIDERA-2022-ERA-01-41: INCREASING THE REPRODUCIBILITY OF SCIENTIFIC RESULTS

Type of Action: RIA

Expected Outcomes:

- Structured understanding of the underlying drivers, of concrete and effective interventions - funding, community-based, technical and policy - to increase reproducibility of the results of R&I; and of their benefits;
- Effective solutions, policy-, technical- and practice-based, to increase the reproducibility of R&I results in funding programmes, in communities and in the dissemination of scientific results;
- Greater collaboration, alignment of practices and joint action by stakeholders to increase reproducibility, including but not limited to training, specialised careers and guidelines for best practice.

Long-term Outcomes:

- Increased proportion of reproducible results from publicly funded R&I;
- Increased re-use of scientific results by research and innovation;
- Greater quality of the scientific production.



HORIZON-WIDERA-2022-ERA-01-42: SUPPORTING THE DEVELOPMENT OF ALIGNED POLICIES FOR OPEN ACCESS BOOKS AND MONOGRAPHS

Type of Action: CSA

Expected Outcomes:

- Improve the understanding of the current landscape of scientific book and monograph publishing in different fields of science in which it plays an important role, and in particular the bottlenecks in strategies and policies for their open access.
- Support aligned funder and institutional policies for open access monographs and books within the open science culture in the European Research Area and facilitate their coordination.

Long-term Outcomes:

- Address and increase equity, diversity and inclusivity in open science practices inside the European Research Area.
- Increased capacity in the EU R&I system to conduct open science and to set it as a modus operandi of modern science.



HORIZON-WIDERA-2022-ERA-01-44: DEVELOPING AND PILOTING TRAINING ON THE PRACTICE OF OPEN AND RESPONSIBLE RESEARCH AND INNOVATION

Type of Action: CSA

Expected Outcomes:

- Consolidated evidence base on open and responsible research and innovation training for researchers at all stages of their careers across the European Research Area.
- Development and piloting of high-quality training to a significant number of researchers on diverse aspects of open and responsible research and innovation.
- Establishment of a platform for further development of training, mutual learning, and dissemination of recommendations to authorities and institutions responsible for researcher training.

Long-term Outcomes:

- Improved skills leading to greater employability and career prospects for researchers.
- Improvements in the excellence of the science conducted, improved capacity within the European Research Area to tackle societal challenges, greater interaction between science and society, improved overall effectiveness of EU research and innovation funding.
- Improved engagement and cooperation of researchers, with communicators, journalists, industry, policy maker and civil society.





THANK YOU

Jiří Kotouček
kotoucek@tc.cz

Technologické centrum AV ČR

