



The ERA Policy Agenda & the Council Conclusions on Open Science

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Open Science in practice: Publishing strategies & platforms with focus on Open Research Europe

PolSCA online webinar, 21 June 2023

Open Science

Open Science understood as **sharing knowledge and tools as early as possible**, not only **between researchers** and **between disciplines**, but also with **society at large**.

Open Science improves the **quality**, **efficiency** and **creativity** of research and the **trust by society in science**. In particular, Open Science is beneficial for science, scientists and funders, e.g.:

- tackles the reproducibility crisis;
- enables a faster response to societal challenges e.g. Coronavirus, Ebola;
- generates new research findings and decreases inequalities;
- access to and sharing results yields higher impact through collaborations.

Main challenges and priorities for Open Science

Improve the practice of R&I

Providing **open access** to research outputs; **research output management** in line with FAIR principles; **early and open sharing** of research, e.g. preregistration, registered reports, pre-prints; measures to ensure verifiability and **reproducibility** of research outputs; **open collaboration** within science and with other knowledge producers/users, including citizens and end users

Develop proper enablers of open science

- Incentives and rewards to adopt open science practices, e.g. initiative for **Reforming Research Assessment**
- Open research infrastructures e.g.
 - **European Open Science Cloud (EOSC)**
 - **Open Research Europe (ORE)** open access publishing service
- A legislative framework for **copyright and data fit for research and innovation**
- Support for **skills and education** for practicing open science and data-intensive research
- Horizon Europe provisions** on Open Access and Open Science practices

Open Science in the Council Conclusions

- 2016

Council Conclusions on the ['Transition Towards an Open Science System'](#)

- 2021

Council Conclusions on the ['Future Governance of the European Research Area \(ERA\)'](#) including the 'ERA Policy Agenda 2022-2024'

- 2022

Council Conclusions on ['Research Assessment and Implementation of Open Science'](#)

- 2023

Council Conclusions on ['High-quality, transparent, open, trustworthy and equitable scholarly publishing'](#)

Council Conclusions on the Future Governance of the ERA

ERA Policy Agenda 2022-24

ERA Actions	Outcomes
<p>1. Enable the open sharing of knowledge and the re-use of research outputs, including through the development of the European Open Science Cloud (EOSC)</p>	<ul style="list-style-type: none"> • Deploy Open Science principles and identify Open Science best practices • Deploy the core components and services of EOSC and federate existing data infrastructures in Europe, working towards the interoperability of research data • Establish a monitoring mechanism to collect data and benchmark investments, policies, digital research outputs, open science skills and infrastructure capacities related to EOSC
<p>2. Propose a EU copyright and data legislative and regulatory framework fit for research</p>	<ul style="list-style-type: none"> • Identify barriers and challenges to access and reuse of publicly funded R&I results and of publications and data for scientific purposes, and identify potential impacts on research, through an analysis of relevant provisions under EU copyright and data legislation and related regulatory frameworks, and of relevant institutional and national initiatives • Propose legislative and non-legislative measures to improve the current EU copyright and data legislative and regulatory frameworks
<p>3. Advance towards the reform of the Assessment System for research, researchers and institutions to improve their quality, performance and impact</p>	<ul style="list-style-type: none"> • Analysis of legal and administrative barriers at national and trans-national level for a modern research assessment system • Create a coalition of European research funders and research performers who agree on a new approach for research assessment, following wide and inclusive consultations at European and international level • Implementation plan of the coalition to roll-out the new approach, including pilots in different domains

EU copyright and data legislation fit for research

- **2022**

- **Four studies** by legal experts assisting the Commission's analysis
- **Two workshops** with Member States representatives, legal experts and research stakeholders
- **Further evidence gathering** from experts to finalise identification of barriers, challenges, and potential measures



Study on EU copyright and related rights and access to and reuse of scientific publications, including open access

Exceptions and limitations, rights retention strategies and the secondary publication right

Independent
Expert
Report

Written by Dr Christina Angelopoulos

Research and
Innovation

Study on EU copyright and related rights and access to and reuse of data

Independent
Expert
Report

Written by Martin R.F. Sentleben

Research and
Innovation

Study on the Open Data Directive, Data Governance and Data Act and their possible impact on research

Independent
Expert
Report

Written by Mirella van Eeoud

Research and
Innovation

Study on the Digital Services Act and Digital Markets Act and their possible impact on research

Independent
Expert
Report

Written by Björn Lundqvist

Research and
Innovation

EU copyright and data legislation fit for research

- **2023**

- **Workshop** on “An EU copyright & data legislative framework fit for research: barriers, challenges and potential measures” (February 2023).
- **Study**
 - To evaluate the concrete effects of the **EU copyright framework** on research, including evidence/data gathering (literature review, consultation, interviews etc.) on concrete impacts on researchers, research funding and performing organisations and on other affected stakeholders, including copyright right holders
 - To further elaborate on areas in need of improvement
 - To evaluate the effects of potential interventions
- **Study**
 - To identify the relevant provisions for researchers, research organisations, research infrastructures and research services providers under specific **EU data and digital legislation**
 - To assess and present how they can comply with the obligations and benefit from the rights they may have under these acts

Overall objective of ERA Action 2

A **European Research Area** in which scientific knowledge and technology circulate freely -as envisioned in Article 179 TFEU- implies that:

- ✓ scientific outputs are accessible and reusable,
- ✓ access and reuse of data for research purposes is supported.

The research community **should have the autonomy and control** over its scientific activities and results **and should retain ownership of its scientific production. An empowered and responsible research community is the bedrock on which such a European Research Area is built.**

An **adequate legislative and regulatory framework fit for research** is a necessary condition to deliver on this objective.

Council Conclusions on scholarly publishing (1/3)

3. EMPHASISES that **scholarly publishing should support essential principles** of academic freedom, research integrity and scientific excellence, as well as maximum accessibility and reusability of research results, while also supporting research communities and their transdisciplinary collaboration, and

UNDERLINES that the scientific practices for ensuring reproducibility, transparency, sharing, rigour and collaboration are important means of achieving **a publishing system responsive to the challenges of democratic, modern and digitalised societies**;

HIGHLIGHTS that **immediate and unrestricted open access should be the norm in publishing research involving public funds**, with transparent pricing commensurate with the publication services and where costs are not covered by individual authors or readers;

6. HIGHLIGHTS **the importance of not-for-profit, scholarly open access publishing models** that do not charge fees to authors or readers and where authors can publish their work without funding/institutional eligibility criteria; (...)

Council Conclusions on scholarly publishing (2/3)

11. ENCOURAGES Member States and the Commission to step up support to the development of **aligned institutional and funding policies and strategies regarding not-for-profit open access multi-format scholarly publishing models in Europe** with no costs for authors or readers,

and to set and implement roadmaps or action plans for **a significant expansion of such publishing models;**

12. WELCOMES the introduction of **secondary publication rights** by a number of Member States into their national copyright legislation, enabling open access to scholarly publications involving public funds;

ENCOURAGES the Commission, in the context of ERA action 2 in the ERA Policy Agenda 2022–2024, **to examine and propose measures at EU level aiming at removing barriers to access to and reuse of publicly funded research results, as well as publications and data for research purposes, while guaranteeing the author's consent;**

Council Conclusions on scholarly publishing (3/3)

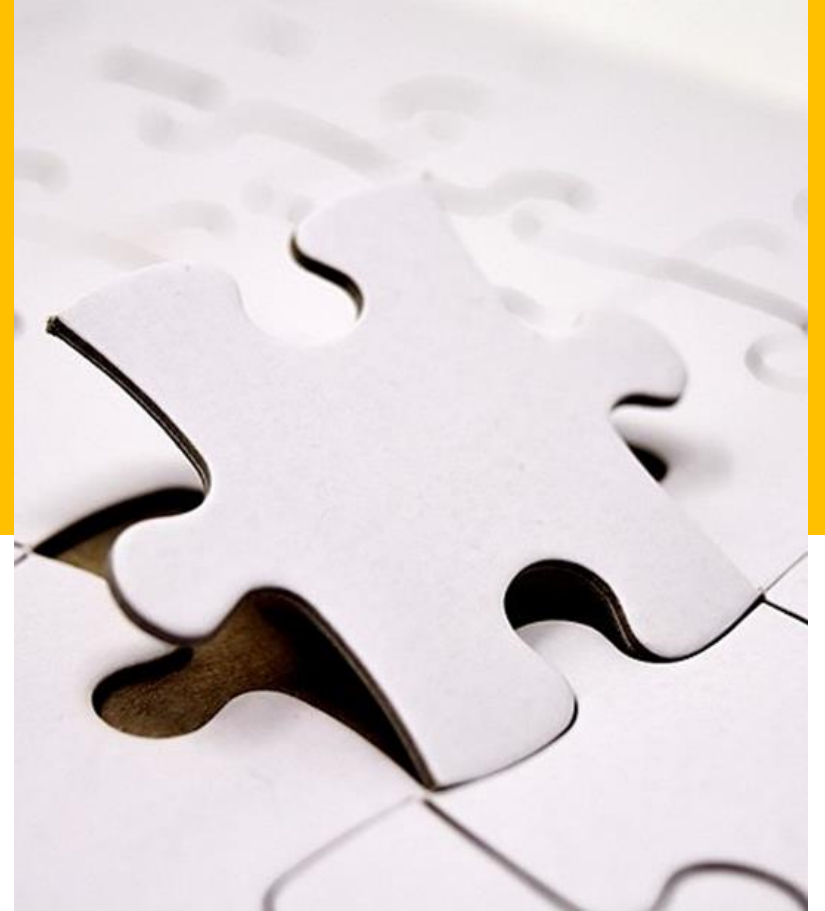
15. CONTINUES to encourage Member States to support the **piloting of Open Research Europe (ORE) into a collective, not-for-profit large-scale open access research publishing service for the public good, and**

to promote and support other subject-specific and national not-for-profit, open access publishing platforms and models that provide high-quality publishing services to researchers and, whenever possible and suitable, are connected at European level for increased capacity, efficiency, usability and cost-effectiveness;

16. ENCOURAGES Member States and the Commission to invest in and foster **interoperable, not-for-profit infrastructures for publishing based on open source software and open standards,**

in order to avoid the lock-in of services as well as proprietary systems, and to connect these infrastructures to the EOSC;

Thank you



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