



The European Commission and Open Science: recent developments

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Open Science in Horizon Europe: a work in progress

Open Science rights and obligations (1/2)

- **Ensure immediate open access** via a trusted repository to peer-reviewed scientific publications
- **Retain sufficient IPRs** to comply with the open access requirements, including for licensing
- Only publication fees in **full open access venues** eligible for reimbursement
- *Question: how about **Plan S**?*
 - The aim is **alignment** with Plan S principles for all Horizon Europe beneficiaries

Open Science rights and obligations (2/2)

- **Establish and update a data management plan** and manage responsibly the digital research data generated in the action in line with FAIR principles
- Data sharing '**as open as possible, as closed as necessary**' (i.e. unless open access would be against legitimate interests or constraints)
- Provide access to data or other results needed for **validation of the conclusions of scientific publications** arising from their project, to the extent that their legitimate interests or constraints are safeguarded

Open Science *modus operandi*

- Work programmes may provide, where justified, for additional obligations to use the **EOSC** for storing/giving access to research data
- Work programmes may provide for additional incentives or obligations e.g.
 - **Early and open sharing** of research results (e.g. when public emergencies)
 - Open access to research outputs **other than publications and data** (e.g. software)
 - Involvement of **citizens, civil society, end-users** in co-creation of R&I agendas/content
- Open Science will be embedded throughout the programme, e.g. as part of award criteria for proposal **evaluation**, and as **key impact pathway indicators**

Scientific publications

Planned under Horizon Europe (1/2)

- **Obligation to ensure** open access to peer-reviewed scientific publications.
 - **Deposition** in a trusted repository ('Green' open access), at the time of publication
 - **Immediate** open access via the repository, under **CC BY** (or equivalent) for articles, under **CC BY-NC/ND** (or equivalent) allowed for monographs or other long-text formats
 - **Information** via the repository about any research output or any other tools and instruments needed to **validate** the conclusions of the scientific publications
- **Obligation to retain** sufficient IPRs to comply with the open access requirements

Planned under Horizon Europe (2/2)

- **Metadata of deposited publications** must be open under **CC0** (or equivalent), in line with the FAIR principles
- Beneficiaries may publish in **venues of their choosing** – however, only publication fees (APCs/BPCs) in full open access venues are **eligible for reimbursement** (non-eligible if publishing venue is hybrid/edited book is hybrid)

Research data management

Planned under Horizon Europe (1/2)

- **Obligation to manage** the digital research data generated in the action responsibly, in line with the **FAIR principles**.
- **All projects** that generate/collect/re-use research data must:
 - Establish and regularly update a **Data Management Plan (DMP)**
 - **ASAP** and within the deadlines set out in DMP, **deposit** the data in trusted repository, ensure OA via repository under CC BY or CC 0 (or equivalent), following principle '**as open as possible as closed as necessary**' i.e. unless providing OA would be against legitimate interests, be contrary to EU competitive interests or other constraints (OA not provided (to some or all data) can be justified in the DMP).
 - Provide information via the repository about any research output or any other tools and instruments needed to **re-use or validate the data**

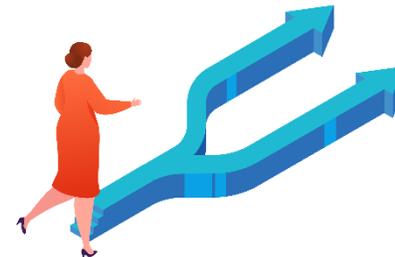
Open Science in the first work programme

The Commission is currently proposing activities *inter alia* in relation to capacity-building in institutional open access publishing, to supporting scientific disciplines in their policies and implementation of open access (e.g. social sciences, arts and the humanities)...

Open Research Europe (ORE)

Main assets of ORE

- High-quality, reliable and efficient publishing venue for EU research
- High scientific **standards**, and swift and **transparent processes**
- Oversight by an independent **Scientific Advisory Board**
- **No cost to authors/beneficiaries, no administrative burden**
- Venue where grantees can publish **post-grant** the results of their work, while respecting their open access obligations
- **Not an obligation to use!**



The publishing service (1/2)

- **Original** peer-reviewed articles and pre-prints (i.e. stemming from Horizon 2020-funded research and later, Horizon Europe)
- **All scientific areas** of Horizon 2020/Europe covered
- **Immediate open access**, with **content licensed for re-use**
- **Open peer review** (i.e. open reviewer identities, published reviews, post-publication comments)
- ‘Super-networked’ and ‘**minable**’
 - PIDs, connection to repositories, open data and software, interoperable technologies, preservation of content, etc.



The publishing service (2/2)



- New generation **metrics**
 - Each article will have a dedicated metrics page
- Explicit, accessible and **transparent** on business processes and publication policies (all to be published on the site for everyone to see)
- **Aligned** with the European Commission policy and principles (i.e. it takes burden from researchers as it is fully compliant)
- Following example of other funders such as the Wellcome Trust (Wellcome Open Research) and others

A service to grant beneficiaries

- Public Procurement – **5.8 Million EUR** contract signed in March 2020 with **F1000 Research** for **four years**
 - APCs for the Commission (**780 EUR**) set within the procurement
 - **Global Young Academy, LIBER** and **Eurodoc** as subcontractors
 - **OpenAIRE** as a partner to help with syndication and communication of ORE
- Launch of ORE set for **March 2021**
- Click on the infographic!
- Visit the platform <https://open-research-europe.ec.europa.eu/>



Submissions are now open!

Read the authors guidelines!



Submit now!

European Open Science Cloud (EOSC)

EOSC in progress

- The building blocks for an Open Science Commons serving all European researchers are in place. More to be done, including a clear model for **federating and on-boarding thematic communities into EOSC**
- To ensure the development beyond 2020, the current EOSC Governance has been working to establish a **European Partnership under Horizon Europe**
- The **EOSC Association**, the leading entity of the Partnership, was established in July 2020. Work progressing on the on-boarding process of new members.
- A **Strategic Research and Innovation Agenda** is under development, following an open consultation on its content

A new ERA for R&I

(Open science in the new Communication from the Commission)

Open Science as Action 9

- [Communication](#) from 30 September 2020: *The Commission will [...]*
 - *launch, via the Horizon Europe Programme, a **platform of peer-reviewed open access publishing**;*
 - *analyse authors' rights to enable sharing of publicly funded peer-reviewed articles without restriction;*
 - *ensure a **European Open Science Cloud** that is offering findable, accessible, interoperable and reusable research data and services (Web of FAIR);*
 - *and incentivise open science practices by **improving the research assessment system**.*

Thank you

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