



La science ouverte: Quelle place dans les projets européens ?

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The European Commission in the R&I context

1. Policy maker

- It proposes legislation for the European Union (EU) and monitors its implementation
- It works with the European Legislator (European Parliament and Council)
- It invites European governments to act

2. Funder

- It sets its own rules for the scientific research and innovation it funds (e.g. Horizon Europe)

3. Capacity builder

- It has research facilities (Joint Research Centre) and funds infrastructure that support EC/EU policy

Three points today

- 1. Why Open Science?**
- 2. Open Science in Horizon Europe**
- 3. Open Research Europe**

1. Why Open Science?

Some policy context and how it connects with Horizon Europe

Open Science: a political priority

- 2016 Council Conclusions on the ‘**Transition Towards an Open Science System**’
- 2018 EC Recommendation on ‘[Access to and Preservation of Scientific Information](#)’
- 2020 EC Communication on the ‘**New European Research Area (ERA)**’
- 2021 Council Recommendation on a ‘**Pact for Research & Innovation in Europe**’
- 2021 Council Conclusions on the ‘**Future Governance of the ERA**’ including the ‘**ERA Policy Agenda 2022-2024**’
- 2022 Council Conclusions on ‘[Research Assessment and Implementation of Open Science](#)’ and the [EC endorsed the DORA Declaration](#) (San Francisco Declaration on Research Assessment)

Voyez aussi [Ouvrir la Science](#) en France!

Developing proper enablers for Open Science

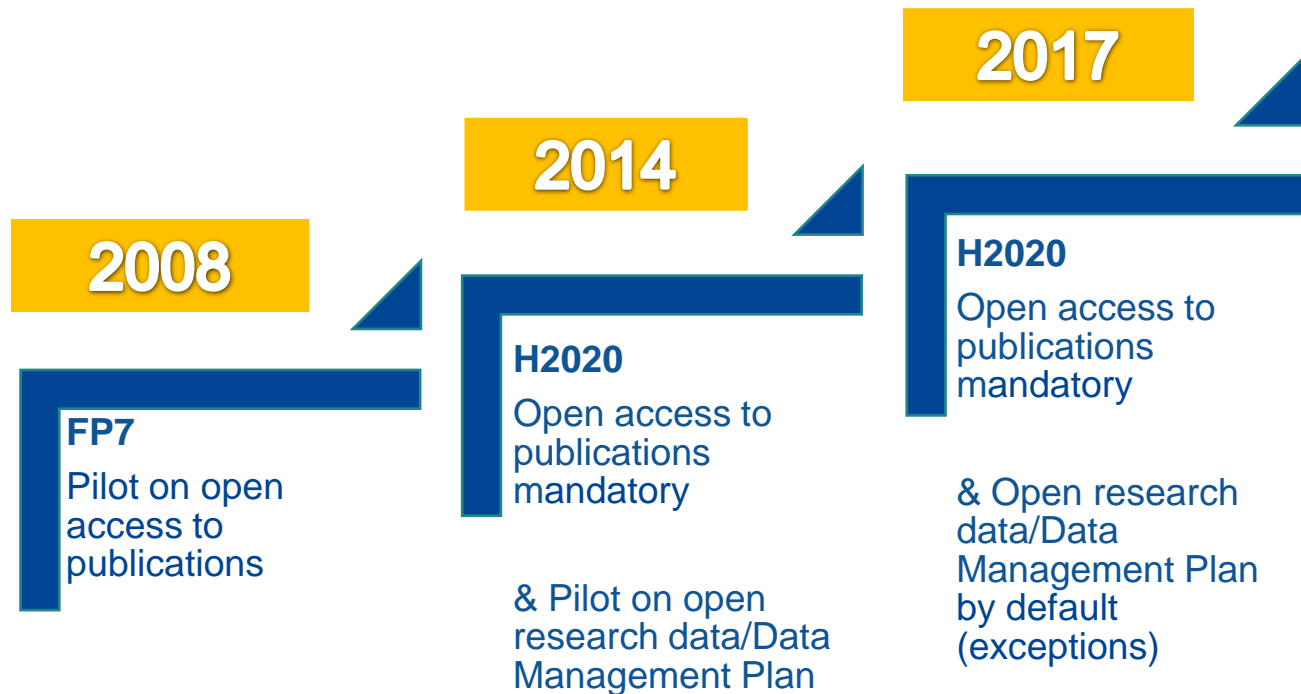
- **More open research infrastructures** e.g. [European Open Science Cloud](#) (EOSC), a tailored data repository for EU grantees (to be developed by [Zenodo](#)/CERN)
- **More funder-backed open access publishing venues** e.g. [Open Research Europe](#)
 - Currently **only for our grantees (you!)** vs. In the future, to be collectively driven, owned and supported by research funders/institutions, with no author-facing fees, supported by an open source infrastructure with the ambition for a ‘diamond’ open access publishing service
- **Less legal barriers** with a legislative framework for copyright & data fit for research & innovation
- A **global** reform of the **research assessment** e.g. the [Coalition for Advancing Research Assessment](#) (CoARA)
- **More support for skills and education** for practicing Open Science and data-intensive research

Open Science is more than just obligations in Horizon Europe!

2. Open Science in Horizon Europe

A short reminder of Horizon Europe provisions on open access and Open Science practices

Things change... the OA mandates as well



Under Horizon Europe (2021)

- Open Science embedded across Horizon Europe
- Strengthening of the open access obligations and focus on responsible research data management in line with the FAIR principles

Our strategy: reflecting our policy (1/2)

- **Open access to scientific publications**
 - **Immediate** OA via repository under CC-BY; metadata under CC
 - **Info** about data and tools needed to **validate** conclusions
 - **IPR retention** to comply with open access requirements
 - Reimburse only if in full open access venue (i.e. costs not eligible for ‘**hybrid**’ journals)
- **Research Data Management (RDM)**
 - RDM in line with **FAIR**
 - **Data Management Plan (DMP)**
 - Open access via repository under **CC-BY** or **CC0** (metadata under CC0)
 - **Exceptions possible** (*As open as possible, as closed as necessary*)
 - **Info** about software and other tools needed to **reuse** or **validate** data

Our strategy: reflecting our policy (2/2)

- **Additional Open Science practices**
 - Early and open sharing, e.g. preregistration, registered reports, preprints
 - Open peer review
 - Open collaboration

Open Science throughout project lifetime



Open Science practices (non-exhaustive list)

What?	How?	Mandatory in all calls/recommended
Early and open sharing of research	Preregistration, registered reports, preprints, etc.	Recommended
Research output management	Data management plan (DMP)	Mandatory
Measures to ensure reproducibility of research outputs	Information on outputs/tools/instruments and access to data/results for validation of publications	Mandatory
Open access to research outputs through deposition in trusted repositories	<ul style="list-style-type: none"> Open access to publications Open access to data Open access to software, models, algorithms, workflows etc. 	<ul style="list-style-type: none"> Mandatory for peer-reviewed publications Mandatory for research data but with exceptions ('as open as possible...') Recommended for other research outputs
Participation in open peer-review	Publishing in open peer-reviewed journals or platforms	Recommended
Involving all relevant knowledge actors	Involvement of citizens, civil society and end-users in co-creation of content (e.g. crowd-sourcing, etc.)	Recommended

- OS practices listed in the template for proposals (section Excellence>Methodology)
- Mandatory in all calls: Model Grant Agreement or call requirement; all the rest recommended

Rights and obligations for Open
Science come with some support!

Horizon Europe Programme Guide



Extensive analysis of Open Science practices and the evaluation process (latest: 11 April 2022)

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/programme-guide_horizon_en.pdf

Data Management Plan (DMP)

- Deliverable (normally at month 6, depending on the grant agreement).
- Data Management Plan template (latest version: 5 May 2021)



[Horizon Europe Data Management Plan Template](#) (under [reference documents](#) > Project reporting templates of the Funding and Tenders portal).

<https://journalcheckertool.org> for OA journals

 JOURNAL CHECKER TOOL

Which publishing options are supported by your funder's OA policy?

JOURNAL MY FUNDER MY INSTITUTION

By ISSN or title + European Commission (Horiz) + By ROR or name =

No affiliation

3. Open Research Europe (ORE)

The open access publishing platform for Horizon 2020 and Horizon Europe beneficiaries (incl. EURATOM and COST)

A bold open access publishing platform

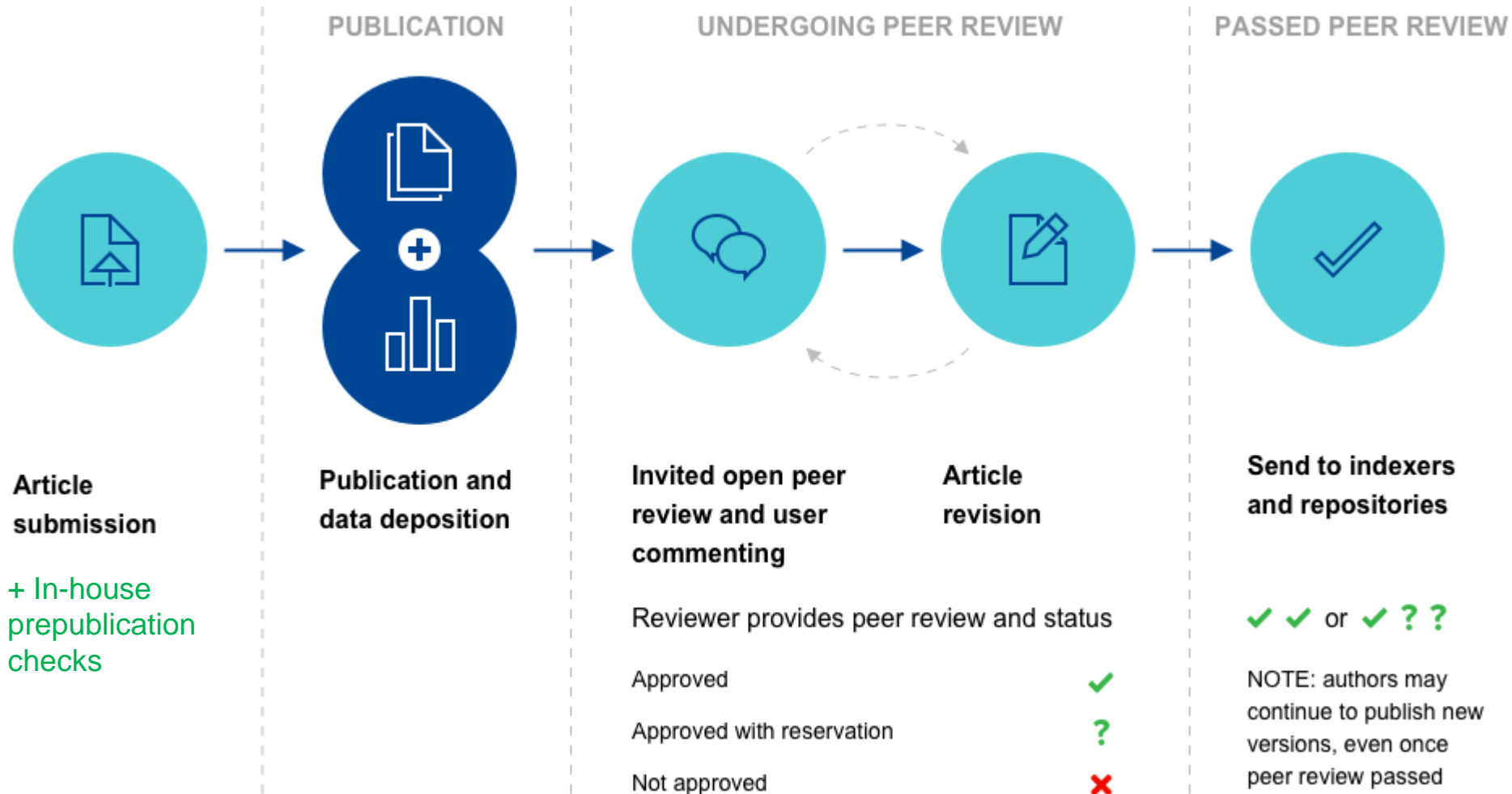
An innovative publishing model initiated by a **funder**

- **Post-publication open peer-review**: the paper is first published (after an initial **precheck**), then the peer review takes place – and is open
- All articles and reviews in **open access under CC BY licenses**
- **High scientific standards and policies**: Scientific Advisory Board; publisher policies and guidelines
- **Transparent** service: in editorial process, in research process
- Publishes in **all disciplines**

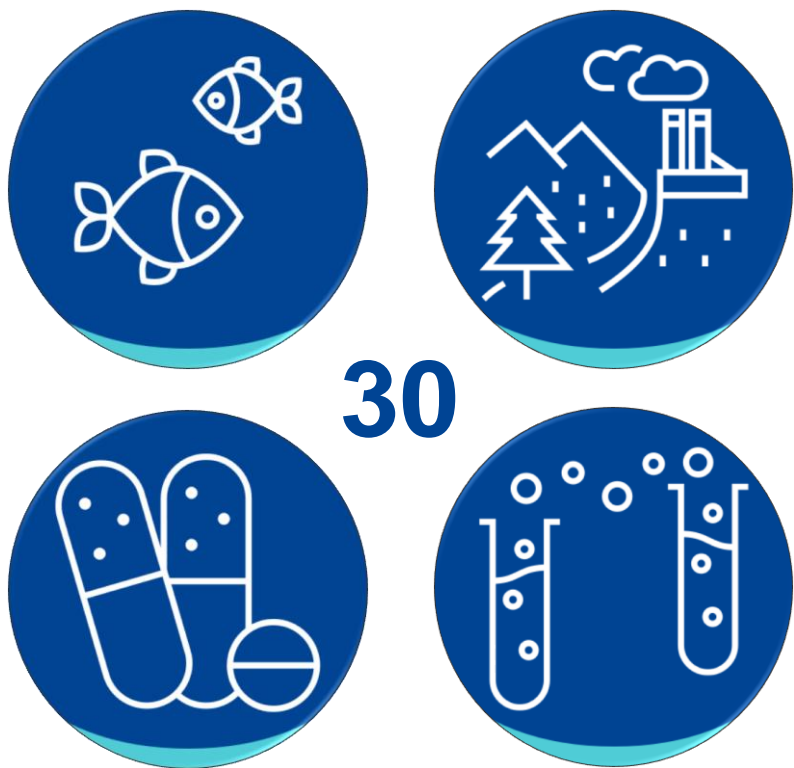
A service to all Horizon grantees

- **Optional service**, at **no cost** to them during incl. **after** end of their projects
- Different **types of articles** are possible (incl. protocols, methods etc.)
- Articles must be **original**
 - ORE is not a repository for papers published elsewhere or isolated preprints!
- Each article has a dedicated **metrics** page
- Networked' and 'minable': PIDs, connection to repositories, open data and software, interoperable technologies, preservation of content, etc.
- For Horizon 2020/ Europe grantees incl. EURATOM and COST

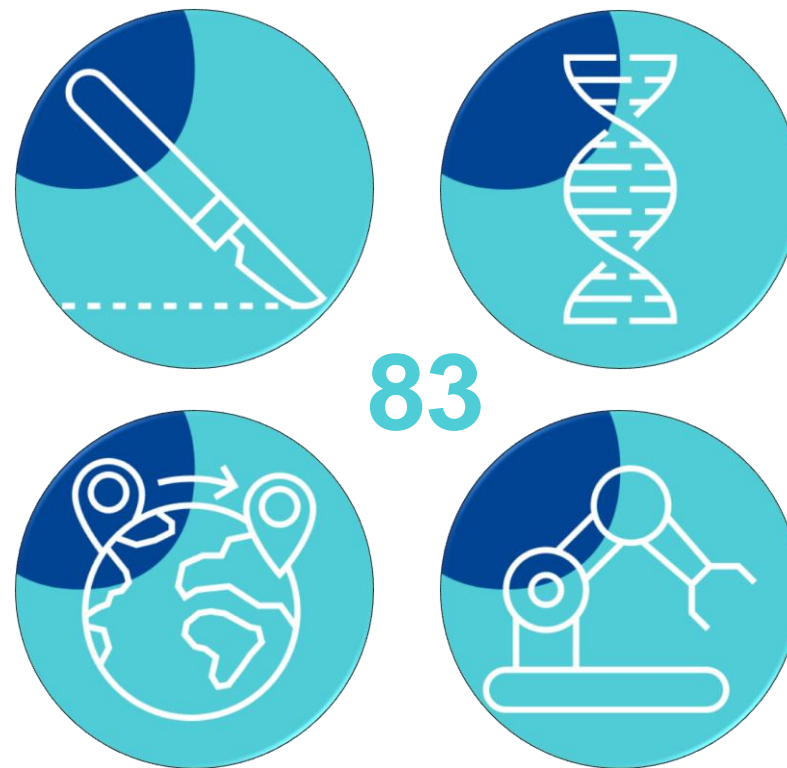
Overview of the model chosen for ORE



Community Gateways & Collections



30 hubs to bring together all content related to a specific area of research



83 compilations of content relating to a specific Horizon 2020 or Horizon Europe-funded community, project or conference

ORE in line with policy & programme strategy

- Leads by example in **operationalising Open Science practices** within scientific publishing in line with policy priorities
- Supports Horizon Europe strategy and compliance with **contractual obligations**
- Supports institutional, **not-for-profit** open access publishing for the public good
- Supports **transparency** and **cost-efficiency** in publishing

An publishing choice for you

- Launched in March 2021; currently ca. 280 publications in all fields
- Gradually developing researcher-led Community Gateways and Collections in particular fields
- Indexed in **Scopus**, ERIH+, Inspec and gradually other important indexers & national lists (**no JIF!**)
- Operated by F1000 Research Ltd, subsequent to public procurement
 - Current contract ends in March 2024
- EC procurement for continuation of platform for 2024-2026
 - To be continued after 2026...

Open Research Europe beyond 2026

- A high-quality **pan-European** open access publishing service, **collectively driven, owned and supported** by European research funders and research institutions, as a service for researchers, with no author-facing fees
- Supported by an **open source infrastructure** to underpin the publishing workflow
- Ambition for a '**Diamond**' open access publishing service
 - 'diamond' means no fees to neither reader nor author (i.e. no payment of Article Processing Charges for the authors or their institution)
- Discussion with interested national funders across Europe, while ensuring an uninterrupted service for researchers all the way

Stay informed on ORE!

- Follow [@OpenResearch_EU](https://twitter.com/OpenResearch_EU) on Twitter
- Scan to register to ORE Newsletter (4/year)



Thank you!



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