Open Science in Horizon Europe

- Please turn off your microphone during the 15 minutes presentation.
- We will be available for answering questions after the presentation: feel free to participate or to leave the meeting.

Thank you!

Open Science in Horizon Europe:

requirements for HEU-funded researchers

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ULB

Horizon Europe requirements

Open Access	Deposit your publications in immediate Open Access
DMP	Create a Data Management Plan
Open Data	Open access to your research data
ORE	Open Research Europe publishing platform

Open Access

Deposit your publications in immediate Open Access

Mandate:

- **deposit** a copy of **all peer-reviewed scientific publications** related to the project results in **a trusted repository** for scientific publications
- **ensure immediate open access** (no embargo accepted any more)
- **use a CC BY license** for articles ; CC BY-NC/ND allowed for monographs
- provide information via the repository about any research output or any other tools and instruments needed to validate the conclusions of the scientific publications

which publications?

✓ All peer reviewed publications: articles, book chapters, papers in proceedings, **monographs and long-text formats**, which are peer reviewed

Non peer-reviewed publications => deposit in Open Access is recommended but not mandated

Open Access

Which version to deposit in Open Access

Submitted Version

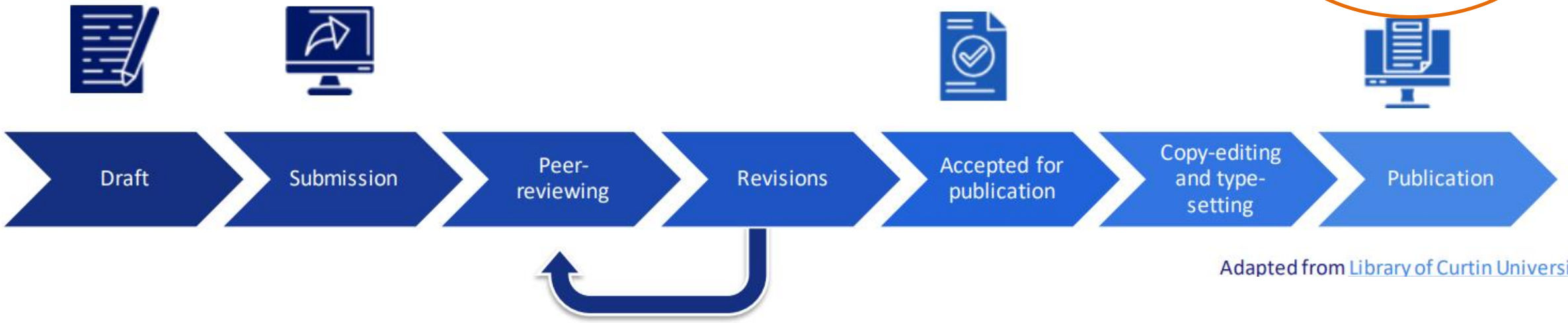
Pre-print

Accepted Version

Author Accepted Manuscript (AAM) or postprint

Published Version

Version of Record (VoR)



Adapted from Library of Curtin University

Source: England & Malaguarnera 2022. 10.5281/zenodo.7324363 under CC-BY 4.

Open Access

In which **trusted repository?**

- **Trusted** i.e.: certified, or recognized internationally, or presenting essential characteristics (DOI, ensure mid-long-term preservation of contents…)
  - **Institutional** : e.g. DI-fusion at ULB
  - **Domain-specific**: e.g. Europe PMC, arXiv, CLARIN-DK-UCPH Repository…
  - **General-purpose**: e.g. Zenodo

- **at ULB**: you have to deposit **your articles** in open access in the **ULB Institutional repository DI-fusion**
  - ➢ to comply with ULB Open Access policy and FWB Open Access Decree

DI·fusion

https://difusion.ulb.ac.be

The researcher **decides where to publish**

Gold Open Access

Publish **an article** in an **Open Access journal or a chapter in an Open access book or** an **Open access book**

Pay Article Processing Charge (APC) – *if necessary*

or Book Processing Charges (BPC)

Article/Chapter/Book is in **immediate Open Access** on the publisher's website

Upload immediately to DI-fusion the published version

in immediate Open Access under a CC BY licence, or for a book CC BY NC/ND

Green Open Access

Publish an article in a **subsciption-based journal or a chapter in an non open access book or a non open access book**

Upload immediately to DI-fusion the **accepted version for publication (AAM) of article/chapter/book**

in immediate Open Access under a CC BY licence, or for a book CC BY NC/ND

Hybrid journals/ Hybrid books

Article/chapter in Open Access among other content not in OA -> **hybrid journal or book**

Pay Article Processing Charge (APC) or Book Processing Charges (BPC)

Article/Chapter is in **immediate Open Access** on the publisher's website

Upload immediately to DI-fusion the published version

in immediate Open Access under a CC BY licence,

Adapted from FOSTER

Open Access

Funding for Article Processing Charges (APC) and Book Processing Charges (BPC) for publishing in Open Access

You may publish in the venues of your choice BUT

- Gold APC/BPC : Cost eligible for reimbursement only during the duration of the project. No price cap for APCs/BPCs.

- Hybrid journals/books: APC/BPC not eligible anymore (i.e. journals/books including open access and non open access contents)

Open Access

Rights retention

If you don’t publish in Gold Open Access :
Retain sufficient rights to deposit your publications in **immediate Open Access** under a **CC BY license**!

- Check in the Copyright Transfer Agreement of your article/chapter/book that the publisher allows for the AAM or the edited version (i.e. Version of Record - VoR) to be uploaded to a repository in OA without embargo under a CC BY license
  - ❖ Check on the Sherpa/Romeo website the OA conditions of journals

- Apply the Rights Retention Strategy : give prior notice to publishers that your Author Accepted Manuscript (AAM) carries a CC BY license, in accordance with your grant conditions.
  - ❖ Pre-submission & covering letter templates

DMP

Create a Data Management Plan (DMP)

- A DMP is the very first step of good research data management
- A DMP is a **living document** specifying how research data will be handled both during and after a research project
- A DMP is useful to
  - Anticipate the challenges and difficulties to manage data
  - Save time for the future of the project
  - Help you to consider the necessary resources and costs for data management - include the costs in your grant application?

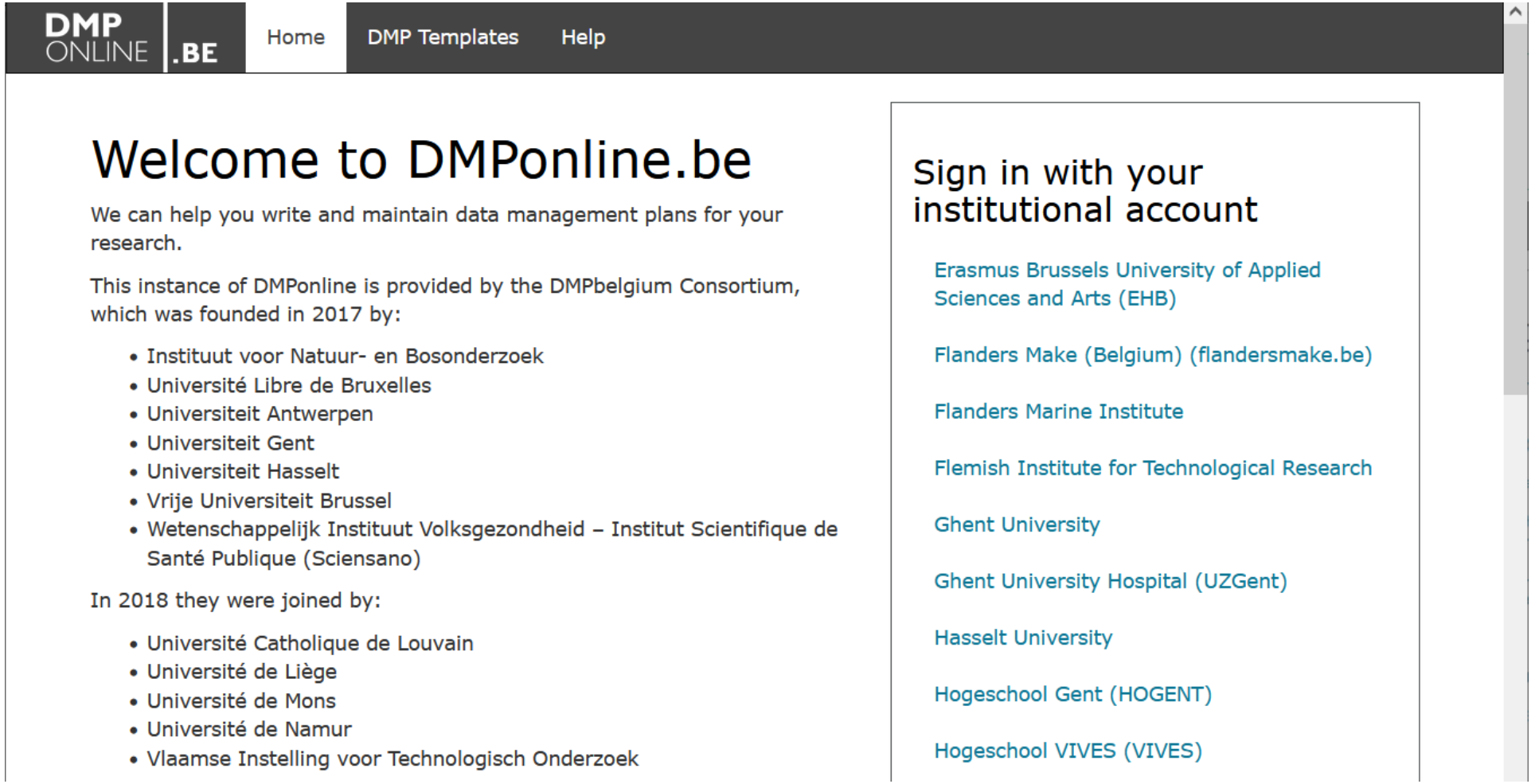
DMP

Data Management Plan - structure

- Project abstract and administrative info
- Data description/Data summary
- Documentation and metadata
- Ethical and legal issues
- Data Storage and backup (during the project)
- Data selection and preservation (after the project)
- Data sharing and reuse
- Responsibilities and resources

DMP

Data Management Plan - tool



Tool : **https://dmponline.be/** *Support*: **rdm-support@ulb.be**

DMP

Data Management Plan in HEU

	H2020 (2014-2020) Open Research Data Pilot	**Horizon Europe (2021-2027) Mandatory**
Initial DMP	*Month 6 (deliverable)*	Month 6 (deliverable)
Updated DMP	*Yes (final report)*	Yes (final report)

Open Data

Research data in HEU

- Responsible management of research data in line with **FAIR** principles
- Deposit **(meta)data** as soon as possible
- **Digital or physical access** to the results needed to validate the conclusions of scientific publications, unless exceptions apply
- Deposit data in a **trusted repository** - make them **open as soon as possible**
- Information about **research outputs or tools/instruments** needed to re-use or validate data (data, software, algorithms, protocols, models, workflows, electronic notebooks)

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

Open Data

FAIR data principles

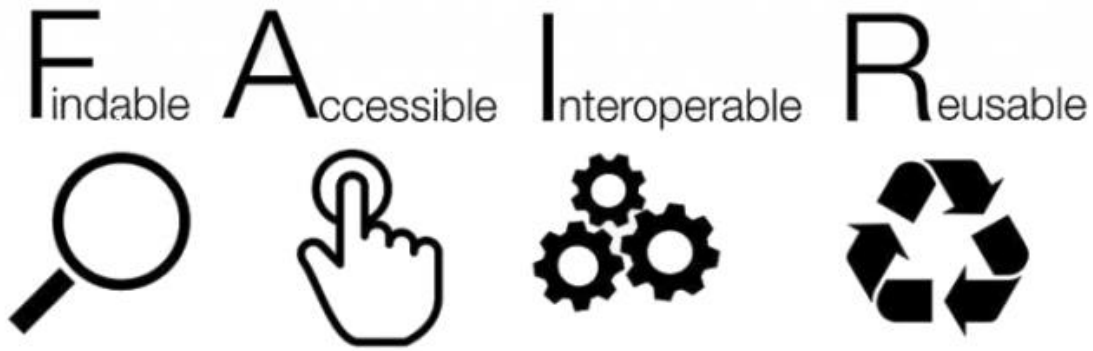
Findable - rich metadata, keywords, persistent identifier (e.g. DOI)

Accessible - data in trusted repositories

"As open as possible, as closed as necessary"

Interoperable – use recognized standards to facilitate exchanges

Re-usable – described, documented, licensed (creative commons)



Open Data

FAIR vs OPEN data

“As open as possible, as closed as necessary”

Can be freely used, modified & shared by anyone for any purpose

Limits on who can access & use data, how, or for what purpose

Under embargo, unable to share

ORE Open Research Europe publishing platform

- Submissions by all H2020/Horizon Europe grantees in all disciplines, during and after the end of their grants : data and publications
- The European Commission covers the article processing charges - it is completely cost-free to publish on the platform
- Guide to Open Data

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

Useful links

- AGA — Annotated Grant Agreement. EU funding programmes 2021-2027. See **Open science requirements: p. 278-289**

- European Commission, Directorate-General for Research and Innovation, Horizon Europe, open science – Early knowledge and data sharing, and open collaboration, Publications Office of the European Union, 2021, https://data.europa.eu/doi/10.2777/18252

- MSCA-NET POLICY-BRIEF: OPEN SCIENCE

- FOSTER Open Science training material https://www.fosteropenscience.eu/

Useful links

DI-fusion, the ULB institutional repository

Information on the ULB portal:

- Open Access at ULB
- Predatory journals
- Copyright
- DI-fusion

ULB Institutional policy on Open Access to publications

FWB Open Access Decree - Décret visant à l'établissement d'une politique de libre accès aux publications scientifiques (Open Access) en Fédération Wallonie-Bruxelles (2/05/2018) (in French)

Code of econnomic law, Livre XI, Publishing contract – article on Open Access article XI.196 § 2.1 (in French)