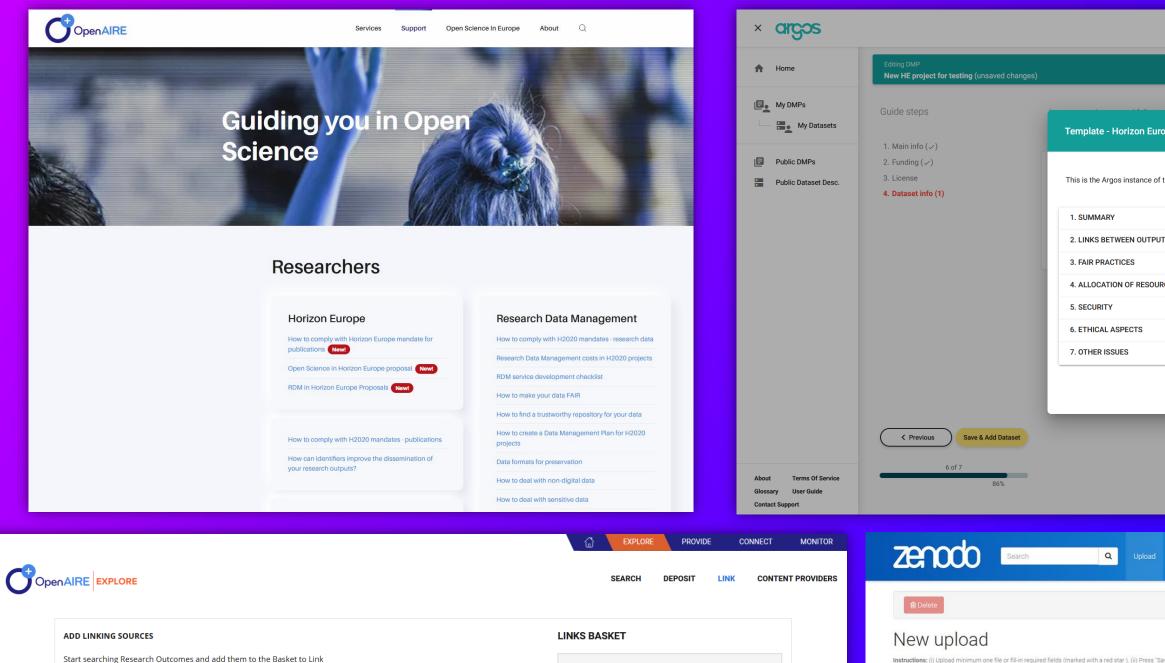
Pedro Principe University of Minho /

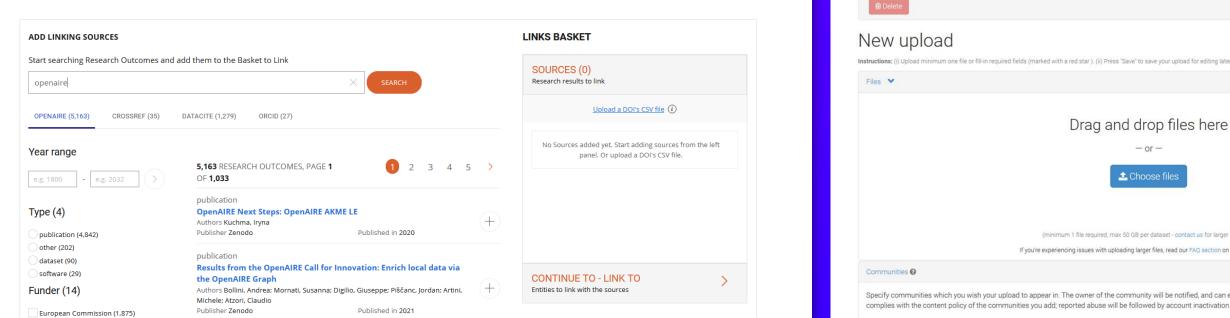
OpenAIRE services to support Horizon Europe projects Delivering DMP (Argos), depositing publications and data, linking research products, reporting research results and support materials











Ministry of Education, Sc...

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followed by account inactivation.

Data Management Plan





Data Management Plan

A formal document explaining how research data will be handled throughout the data lifecycle.

- Mandatory in the Horizon Europe and ERC projects (funded by the EC)
- National and institutional mandates
- Increasingly often required as part of PhD requirements







Data sharing and long-term preservation

Responsibilities and resources

Horizon Europe Data Management Plan Template

- Guidance: issues to be covered
- Structured approach
- Living document



https://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/openaccess-data-management/data-management en.htm

https://enspire.science/wp-content/uploads/2021/09/Horizon-Europe-Data-Management-Plan-Template.pdf



EU Grants: Data Management Template (HE):V1.0 - 05.05.2021 The Horizon Europe Model Grant Agreement requires that a data management plan ('DMP') is established and regularly updated. The use of this template is recommended for Horizon Europe beneficiaries. In completing the sections of the template the requirements for research data management of Horizon Europe as described in article 17 and analysed in the Annotated Grant Agreement, article 17, must be addressed.

1. Data Summary

considered but discarded.

What types and formats of data will the project generate or re-use?

What is the purpose of the data generation or re-use and its relation to the objectives of the project?

What is the expected size of the data that you intend to generate or re-use?

What is the origin/provenance of the data, either generated or re-used?

To whom might your data be useful ('data utility'), outside your project?

2. FAIR data

2.1. Making data findable, including provisions for metadata

Will data be identified by a persistent identifier?

Will rich metadata be provided to allow discovery? What metadata will be created? What disciplinary or general standards will be followed? In case metadata standards do not exist in your discipline, please outline what type of metadata will be created and how.

Will metadata be offered in such a way that it can be harvested and indexed?

2.2. Making data accessible

Repository:

Will the data be deposited in a trusted repository?

Have you explored appropriate arrangements with the identified repository where your data will be deposited?

Does the repository ensure that the data is assigned an identifier? Will the repository resolve the identifier to a digital object?

Data

Will all data be made openly available? If certain datasets cannot be shared (or need to be shared under restricted access conditions), explain why, clearly separating legal and contractual reasons from intentional restrictions. Note that in multi-beneficiary projects it is also possible for specific beneficiaries to keep their data closed if opening their data goes against their legitimate interests or other constraints as per the Grant Agreement.

If an embargo is applied to give time to publish or seek protection of the intellectual property (e.g. patents), specify why and how long this will apply, bearing in mind that research data should be made available as soon as possible.

Will the data be accessible through a free and standardized access protocol?

If there are restrictions on use, how will access be provided to the data, both during and after the end of the project?

How will the identity of the person accessing the data be ascertained?

Is there a need for a data access committee (e.g. to evaluate/approve access requests to personal/sensitive data)?

Metadata:

Will you re-use any existing data and what will you re-use it for? State the reasons if re-use of any existing data has been

Will search keywords be provided in the metadata to optimize the possibility for discovery and then potential re-use?

Will metadata be made openly available and licenced under a public domain dedication CC0, as per the Grant Agreement? If not, please clarify why. Will metadata contain information to enable the user to access the data?

DMP tools (assistance tools)

WIZARDS

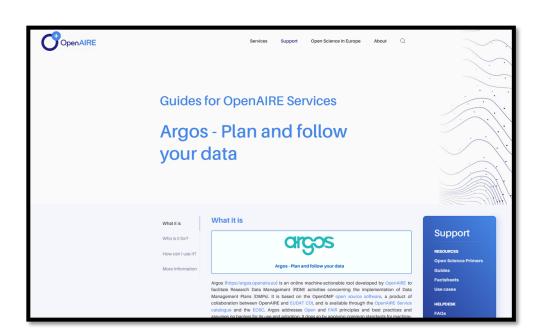
- Usually free for individual researchers
- Inbuilt templates
- Customizable (for institutions)
- Machine readable **DMPs**
- Integration with repositories



DMPonline https://dmponline.dcc.ac.uk/ ARGOS https://argos.openaire.eu/ OpenDMP https://gitlab.eudat.eu/dmp/OpenAI **RE-EUDAT-DMP-service-pilot** Data Stewardship Wizard https://ds-wizard.org DataWiz https://datawiz.leibnizpsychology.org/ **RDMO - RDM Organiser** https://rdmorganiser.github.io/en/ DMPTool https://dmptool.org ezDMP https://ezdmp.org easyDMP https://easydmp.eudat.eu **DMP ARIADNEplus** https://vastlab.org/dmp/ariadneplus/form/

Best practice: DMP examples and use cases

- <u>DMP Use Case Project</u> (OpenAIRE Austria): a collection of public DMPs of EC-funded projects: <u>https://hdl.handle.net/11353/10.1140797</u>
- Public DMPs in Argos
- Search in Zenodo







universität wien

Phaidra

DTOceanPlus Data Management Plan - final version

Update on the previous DMP. Output from: Task 9.5. Success indicator: Final version of the DMP available.

ExoplANETS A Data Management Plan

Data Management Plan

ReFreeDrive Open Data Management Plan

Open Data Management Plan



Unlock new potentials in writing DMPs. Meet your Research Data Management policy needs.







Overview of ARGOS

- ARGOS is an open source, configurable and extensible tool for planning Research Data Management (RDM) activities according to Open Access & FAIR data policies.
- Website: https://argos.openaire.eu/ ~2500 users (growing)

Main users: researchers / research projects, funders, research communities and institutions







Online or ad-hoc installation Free to use for researchers Available in EOSC







Create, Link, Share Data Management Plans

argos.openaire.eu

Collaborative workspace to create **Data Management Plans**

Functionalities:

- Collaborative creation of DMPs
- Specific or adaptative DMP templates for funders or institutions (EC)
- Dataset-based description
- **DMP export** to several formats (pdf, doc, XML, JSON)
- **REST web services** to allow integration with research infrastructures
- **Public roadmap** for implementation tracking \rightarrow <u>https://trello.com/b/x49lylnK/argos</u>





Key features 1/2

Differentiates DMPs from Datasets -> DMPs can have more than one descriptions of Dataset

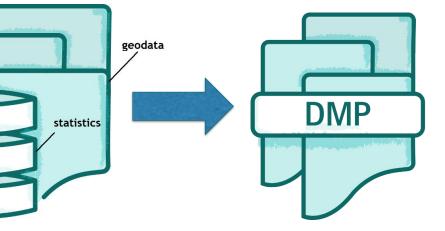
A DMP can contain more than one RDM templates

Easy selection of OpenAIRE and EOSC resources



software

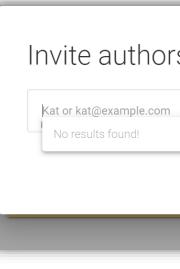




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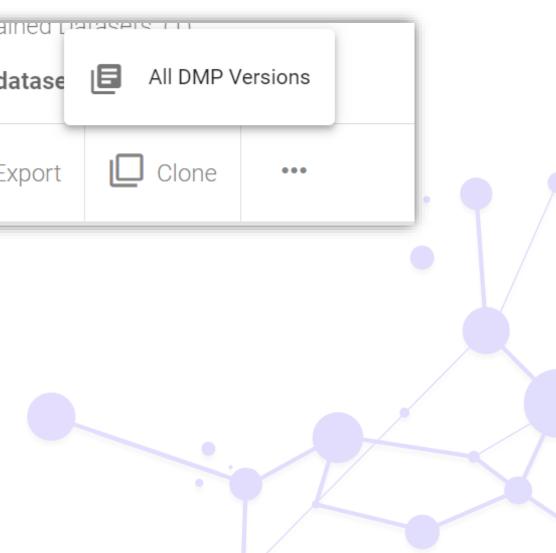
Key features 2/2

- Supports collaborative writing
- Supports exports in JSON format
- -> interoperability
- Provides DOIs and versioning of DMPs



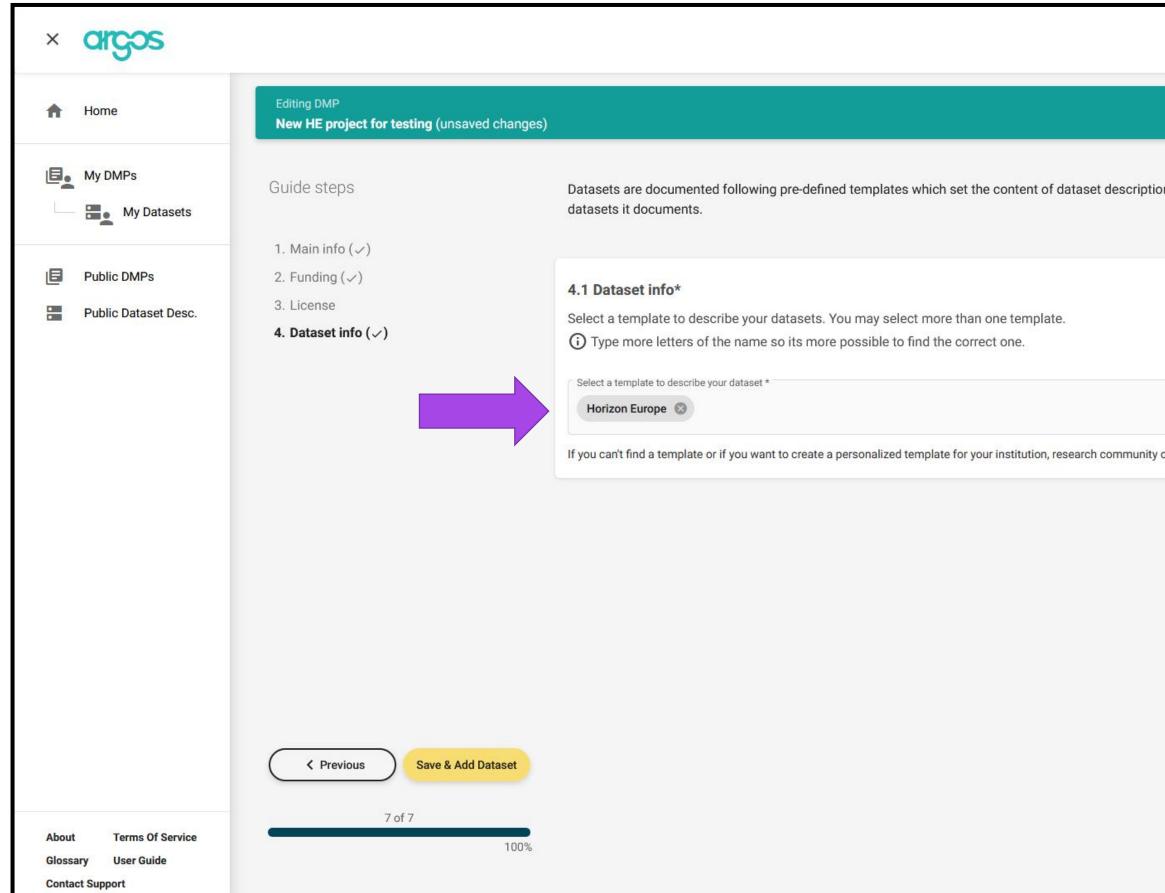
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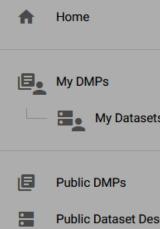


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		4. ALLOCATION OF RESOURCES	~	
		5. SECURITY	~	
		6. ETHICAL ASPECTS	~	
		7. OTHER ISSUES	~	
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Terms Of Service User Guide	6 of 7 86%			

Glossary

About

Unlocks new potentials – not just a tool!



- For all outputs
 - Data, Software, Workflows, etc.
- For all disciplines
- **Connects data services and workflows**
 - Validation, Automation, Easy DMP publication with a click





Create and Publish FAIR DMPs



- Discoverable through OpenAIRE **EXPLORE**
- Accessible: PIDs (ORCIDs & DOIs)
- Interoperable: RDA DMP Common Standard
- Reusable: Licenses
- Versioned (history/provenance)
- Published and preserved in Zenodo





Design machine-actionable templates

- Many inputs to create a question
- Long list of input types
 - Boolean, Multiple choice, Free text, Upload, custom APIs
- Collection of static APIs
- Conditional questions
- **Multiplicity**
 - x the question can be answered with different input
- RDA compatibility
- Semantics





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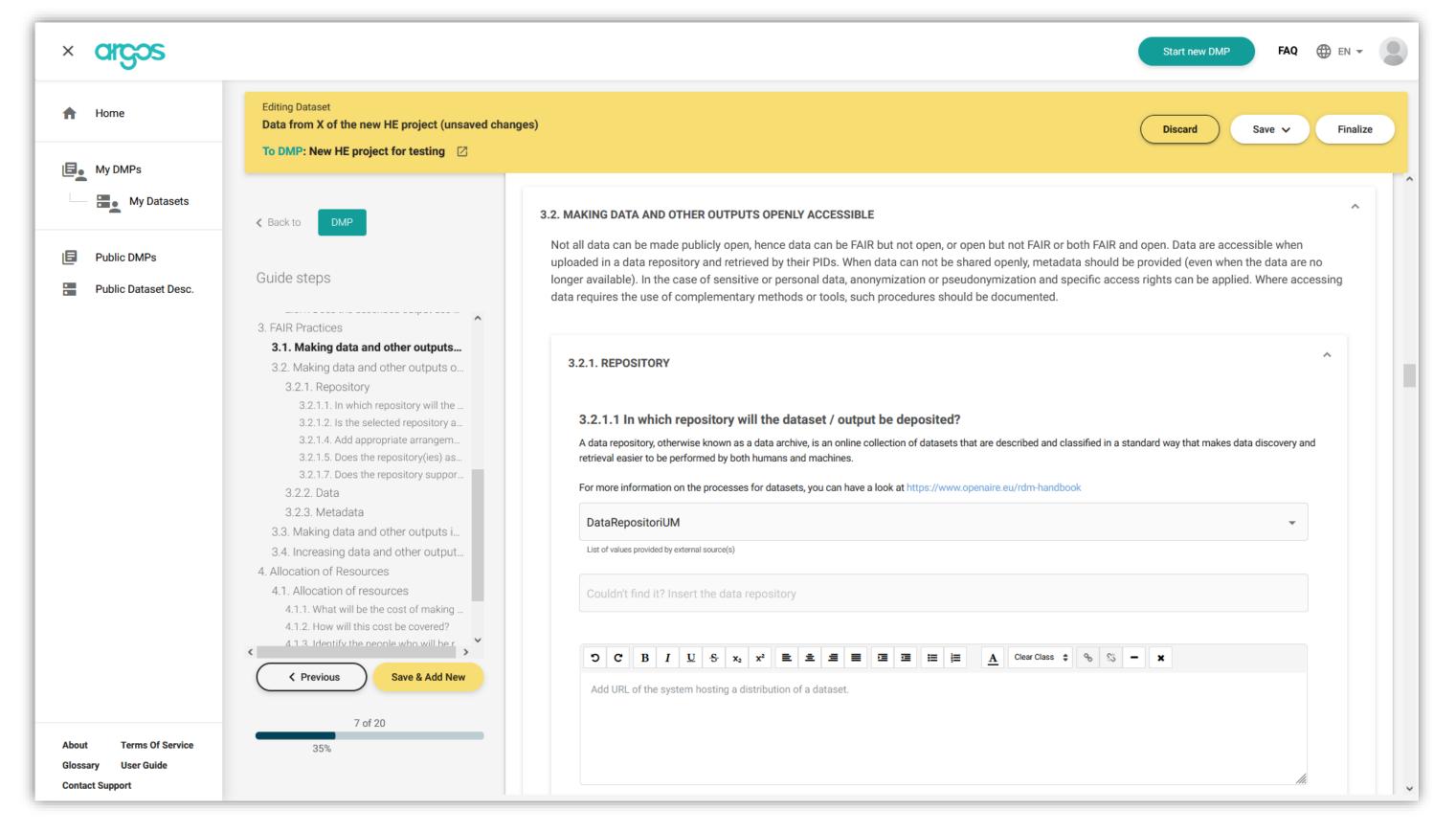
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Default Value

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If other, please



https://argos.openaire.eu/

Take away

- **ARGOS prepares all stakeholders for the next Horizon Europe DMPs requirements.**
- ARGOS simplifies administrative processes and **connects** with University / Institutional workflows.
- ARGOS enables research communities to create templates (dataset profiles) tailored to domain standards and practices.





Deposit your research outcomes Report your publication and data to the EC Claim a publication or data to your funding

https://zenodo.org/

https://explore.openaire.eu/





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Home > Deposit

Deposit or publish your research in Open Access

Find the appropriate repository or journal

Find the appropriate repository to deposit your research products of any type (publication, data, software, other) or to include in your data management plan. Search and browse for OpenAIRE compliant repositories registered in OpenDOAR and re3data.

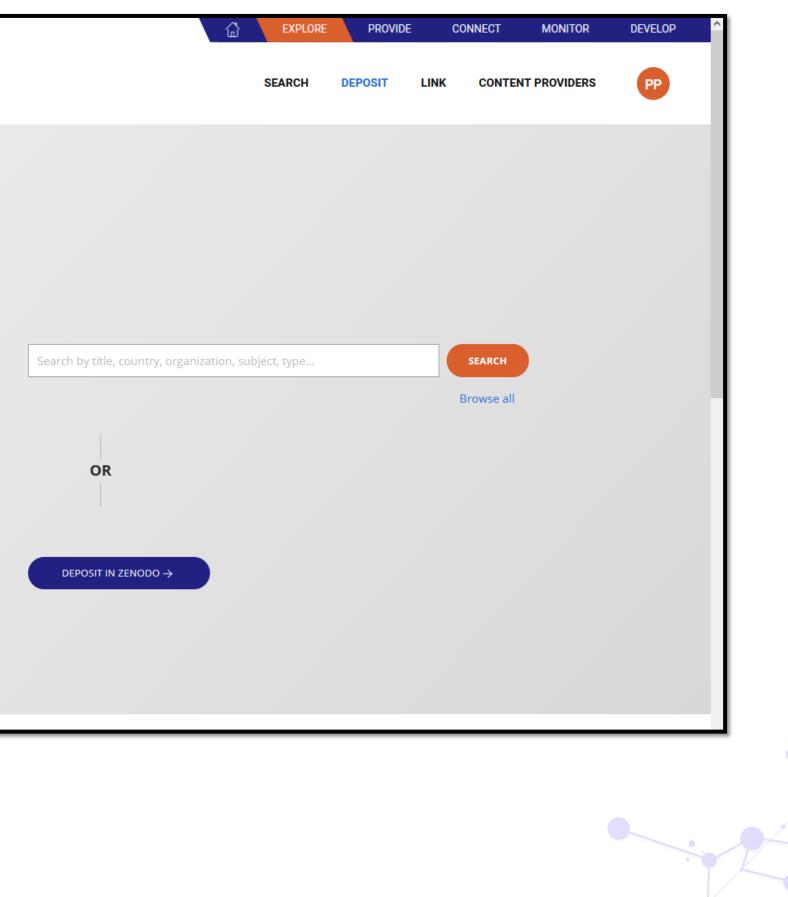
Looking for Open Access journals? Find those that suit your needs among the journals registered in the Directory of Open Access Journals (DOAJ). To know more, read the OpenAIRE Open Access primer (https://www.openaire.eu /oa-basics)

Deposit

Find the repository to deposit your research or use the Zenodo repository.

Publish

Find the Open Access journals that suit your needs among those registered in the Directory of Open Access Journals (DOAJ).



OpenAIRE guides for Researchers Horizon Europe

Guides for Researchers

How to comply with Horizon Europe mandate for publications

What is required?

How to comply?

Which repository to use?

How can OpenAIRE help?

How to retain your copyright?

Are publication costs supported?

What is required?

All peer-reviewed scientific publications arising from Horizon Europe funding have to be made available in open access. This implies that publications are to be made freely available online, immediately upon publication and with no restrictions on use, by depositing them on a repository. You should be aware that you are required to retain sufficient intellectual property rights (IPR) to comply with these open access obligations.

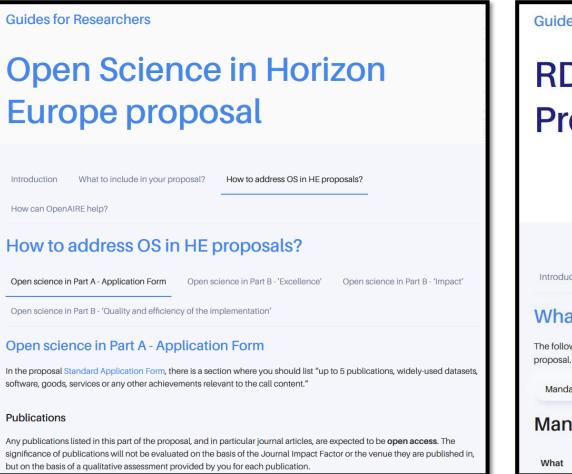
There are two ways to ensure immediate open access:

1. Deposit your publication in a repository for scientific publications and ensure open access

2. Publish your research in an open access journal.

www.openaire.eu/how-to-comply-with-horizoneurope-mandate-for-publications





www.openaire.eu/open-science-in-horizoneurope-proposal



Guides for Researchers

RDM in Horizon Europe Proposals



Introduction What to include in your proposal? How can OpenAIRE help?

What to include in your proposal?

The following tables provides a visual guide showing mandatory and recommended actions to be taken when writing your

Mandatory

Recommended and acceptable

Mandatory

www.openaire.eu/rdm-in-horizon-europeproposals

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Thanks to slides from Elli Papadopoulou and Milica Sevkusic







@openaire_eu #OpenAIRE-Nexus

