



Plan and follow your data

FACTSHEET FOR RESEARCHERS AND PROJECT COORDINATORS

What is Argos?

Argos (argos.openaire.eu) is the online machine-actionable tool developed by OpenAIRE to facilitate Research Data Management (RDM) activities concerning the implementation of Data Management Plans (DMPs). It is an open, extensible and collaborative tool which follows global standards as endorsed by the Research Data Alliance (RDA).

Argos uses OpenAIRE guides created by the RDM Task Force to familiarize users with basic RDM concepts and guide them throughout the process of describing their data. It also utilises the OpenAIRE pool of services and inferred sources to make DMPs more dynamic in use and easier to be completed and published. Argos is based on the OpenDMP open source software and is available through the OpenAIRE Service catalogue and the EOSC.

Who is Argos for?

Argos can be used by researchers, research communities, project coordinators and students to learn how to write DMPs and to comply with funders' or organisations' RDM policies. Argos applies information literacy methods to familiarise users with the RDM process, the concepts of data management according to the FAIR principles, ethical decisions in science and more. Hence, it can also be used for educational purposes in academic courses or libraries' instructions.

For that, Argos can be configured by institutions, research communities and funders in order to meet their specific requirements.

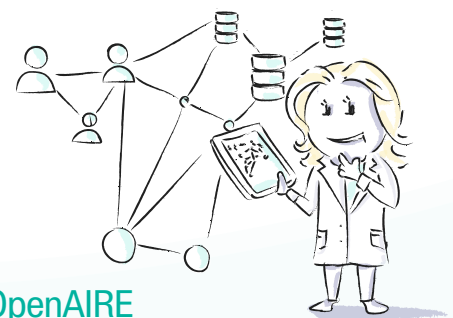
They can plug in their own services and/ or make use of OpenAIRE underlying services that Argos is built with ad-hoc.

If you are interested in becoming an Argos Admin, please contact: argos@openaire.eu

Argos dynamic and competitiveness lie in its flexibility to:

a.isolate descriptions of datasets (Datasets) from dataset-heavy DMPs and work them separately in a collaborative fashion,

b.include more than one templates of funders' / research organisations'/ communities' in a DMP, thus making re-use of datasets in other DMPs and research contexts easier.



About OpenAIRE

OpenAIRE fosters the social and technical links that enable Open Science in Europe and beyond.
www.openaire.eu

For more information, please contact: info@openaire.eu

Terms of Service <https://argos.openaire.eu/terms-and-conditions>

How to make the most out of Argos

- Create and Share DMPs with colleagues

Argos is built in such a way that enables many people to have edit rights and collaborate on writing DMPs. The DMP Owner is the only DMP user who can finalize and publish a DMP; there can only be one DMP Owner per DMP

- Add and modify templates as an administrator

Argos recognizes that one size does not fit all and that new requirements are constantly being introduced globally. Either for core DMP information or for Dataset templates information, end-users are given control over Argos and may condense or expand specific sections to accommodate more tailored community demands.

- Connect with OpenAIRE Research Graph

Argos contributes to information contextualisation within OpenAIRE and, consequently, the EOSC. Finalized and published Argos DMPs are included in OpenAIRE Explore by default.

- Publish DMPs and keep up with new updates

DMPs are seen as research outputs and are embedded in a research lifecycle. DMP publications are possible through Zenodo, the OpenAIRE and CERN catch-all repository, follow its self-archiving and versioning workflow and can be claimed by Zenodo Communities.

- Export DMPs in JSON

Argos applies the RDA DMP Common Standard, thus maximizing information exchange and preventing information loss while ensuring a seamless/ uninterrupted research conduct.

That practically means that researchers have the freedom and flexibility to switch providers at any time during the DMP process without worrying about potential consequences, similarly to how they would do when working with text documents on cloud drives such as Gdocs or One Drive etc.

Using Argos

Argos consists of two main functionalities: DMPs and Datasets.

DMPs include vital information about the research project on behalf of which the DMP is created accompanied with more in depth information about the management, handling and curation of datasets collected, produced or reused during the research lifetime.

Datasets hold answers to set up questions from templates that support the creation of descriptions of how data are / have been handled, managed and curated throughout the research data lifecycle.

A DMP in Argos may consist of one or more datasets. That way datasets are provided with the flexibility to be described separately, following different templates per type of dataset or research community concerned each time, also possible to be copied and used in multiple DMPs. Datasets are then bundled up in a DMP and can be shared more broadly. Special attention is given to the handling of data that are being re-used.

All Argos DMPs are linked to OpenAIRE records for projects thus making reporting to the EC easier. OpenAIRE supports DMPs created by other tools in its Research Graph.

Useful Links for Argos and RDM

Argos Homepage

<https://argos.openaire.eu/home>

Argos User Guide

<https://argos.openaire.eu/splash/resources/user-guide.html>

RDM Handbook

<https://www.openaire.eu/rdm-handbook>

Amnesia for anonymization of datasets

<https://amnesia.openaire.eu/>

Check ARGOS development

<https://trello.com/b/x49lylnK/argos>

Send us your feedback!

<https://tinyurl.com/ydh55dsn>

