



Implementing the DMP Common Standard on the Argos service for maDMPs

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Motivation

- Produce Open and FAIR DMP outputs
- Contribute to DMPs interoperability
- Increase seamless / uninterrupted research activities
- Ease completion of DMPs
- Contextualize DMPs information
- Enrich OpenAIRE Research Graph

Landscape

Argos	Argos is an online machine-actionable tool developed by OpenAIRE to facilitate Research Data Management (RDM) activities concerning the implementation of Data Management Plans (DMPs).	OpenAIRE University of California Curation Center	OpenDMP	https://argos.openaire.eu/about
DMP tool	part of ROADmap software (similar to DMPonline)		DMPRoadmap	https://dmptool.org/
DMPonline	DMPonline helps you to create, review, and share data management plans that meet institutional and funder requirements. Brings together data stewards and researchers to efficiently compose data management plans (DMPs) for their research projects.	DCC	DMPRoadmap	https://dmponline.dcc.ac.uk/
Data Stewardship Wizard	EASyDMP is a service that simplifies the task of creating data management plans. The researcher selects a data management plan template and then completes a set of easy to answer questions that cover funders' data management guidelines.	ELIXIR CZ and ELIXIR NL	own software	https://ds-wizard.org/
easyDMP	A tool to support the planning, implementation, and organization of research data management.	CSC/ EUDAT DFG (German Research Foundation)	easyDMP	https://easydmp.eudat.eu/login/
RDMO			own software	https://rdmorganiser.github.io/

Argos

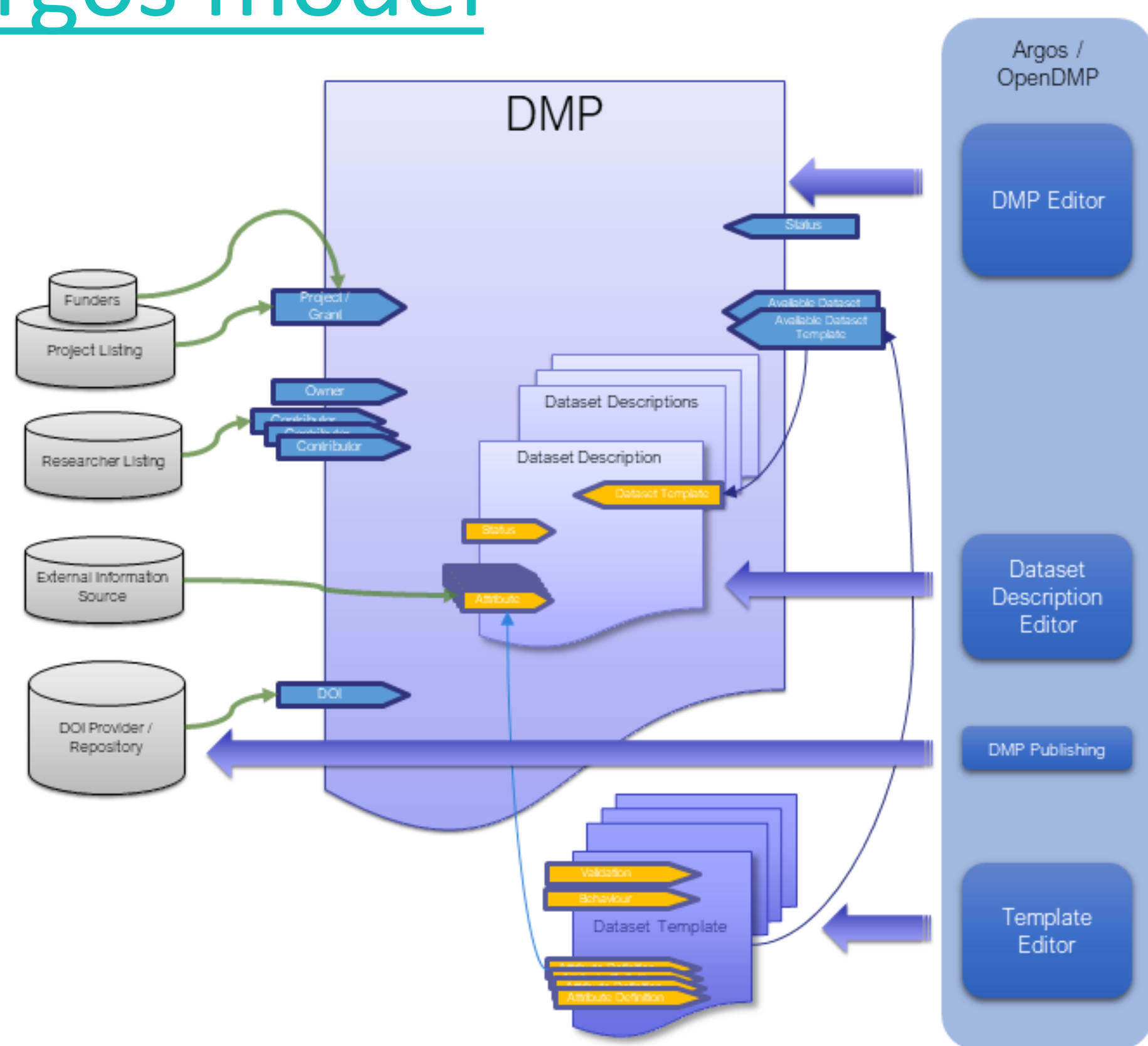
An instance of the OpenDMP software

- open-source
- configurable
- extensible

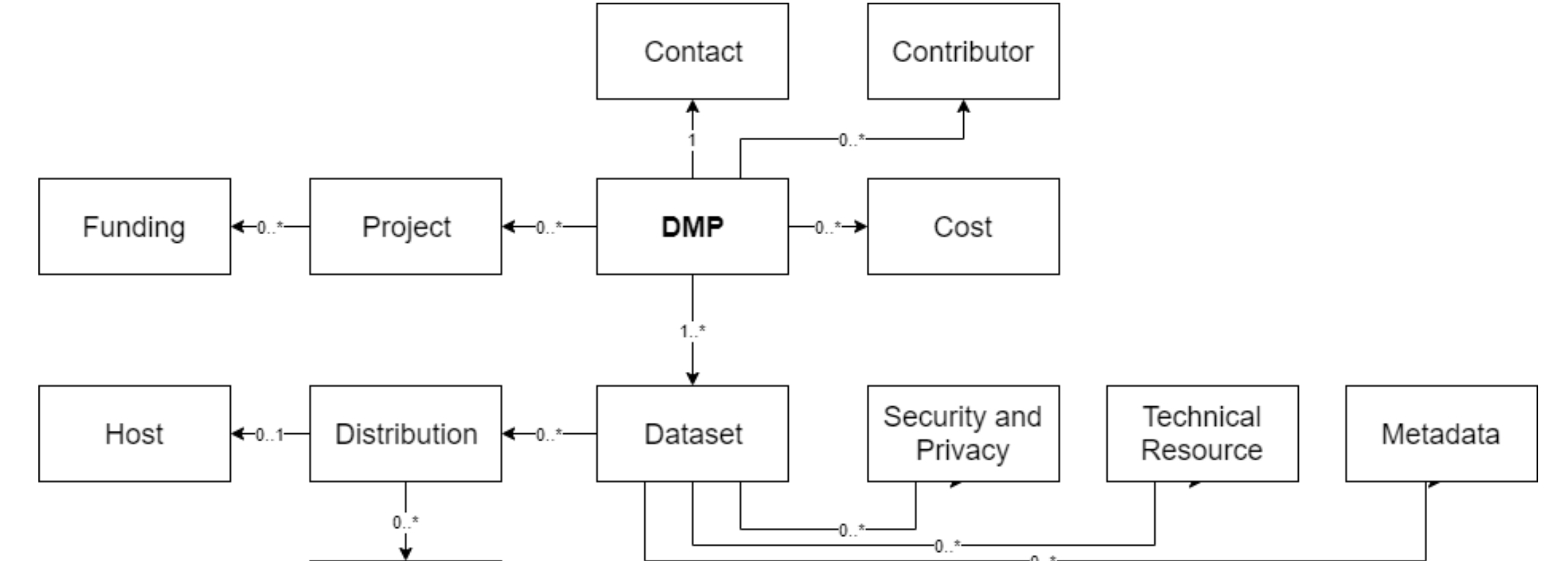


Argos model

- DMP editor: basic metadata for DMP; full DMP & Datasets record
- Dataset editor: embedded in DMPs; documentation of many datasets per DMP (diversity in data types and/or disciplinary data)
- Template editor: defines personalised structures for Datasets



Compliance



- Stable/ fixed fields
DMP editor's fields are hard coded and mapped immediately to the RDA standard (DMP Title, Funding, DMP author and contributor, etc)

- Unstable / flexible
Template editor's fields are adaptable to the needs of given institutions' or funders' requirements

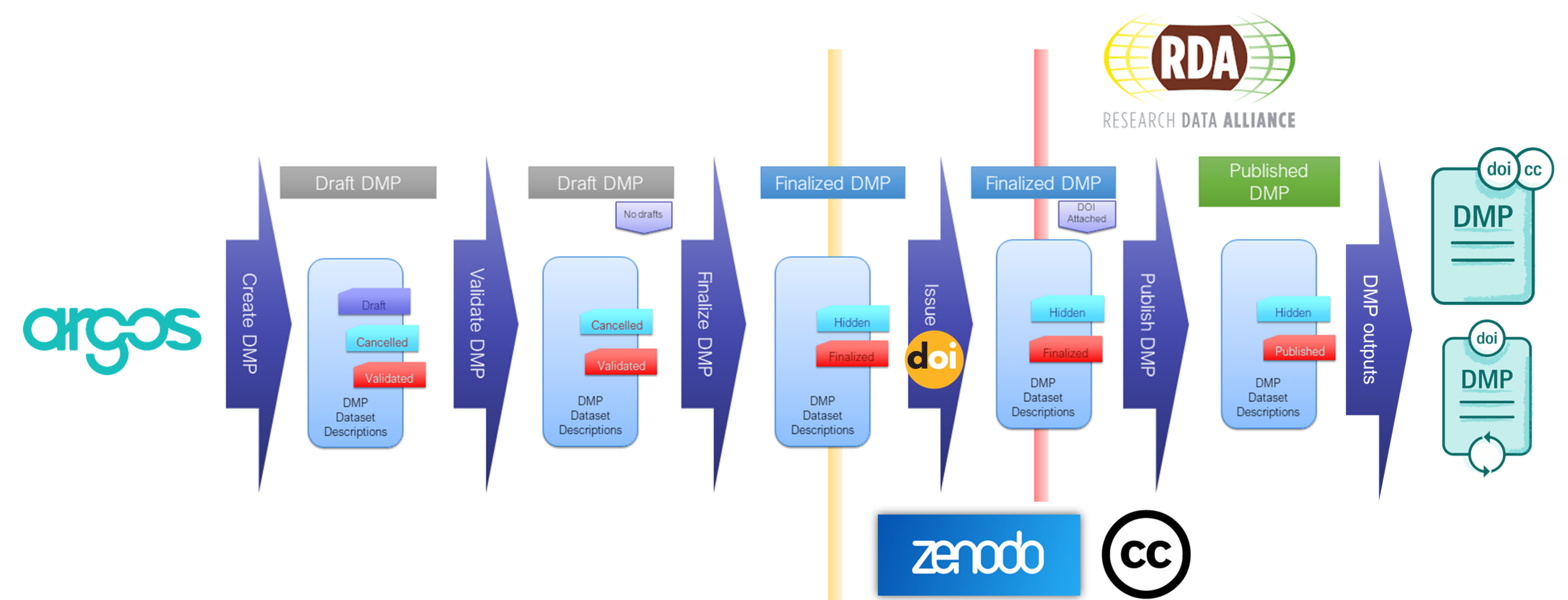
Mapping between RDA and Argos

Challenges

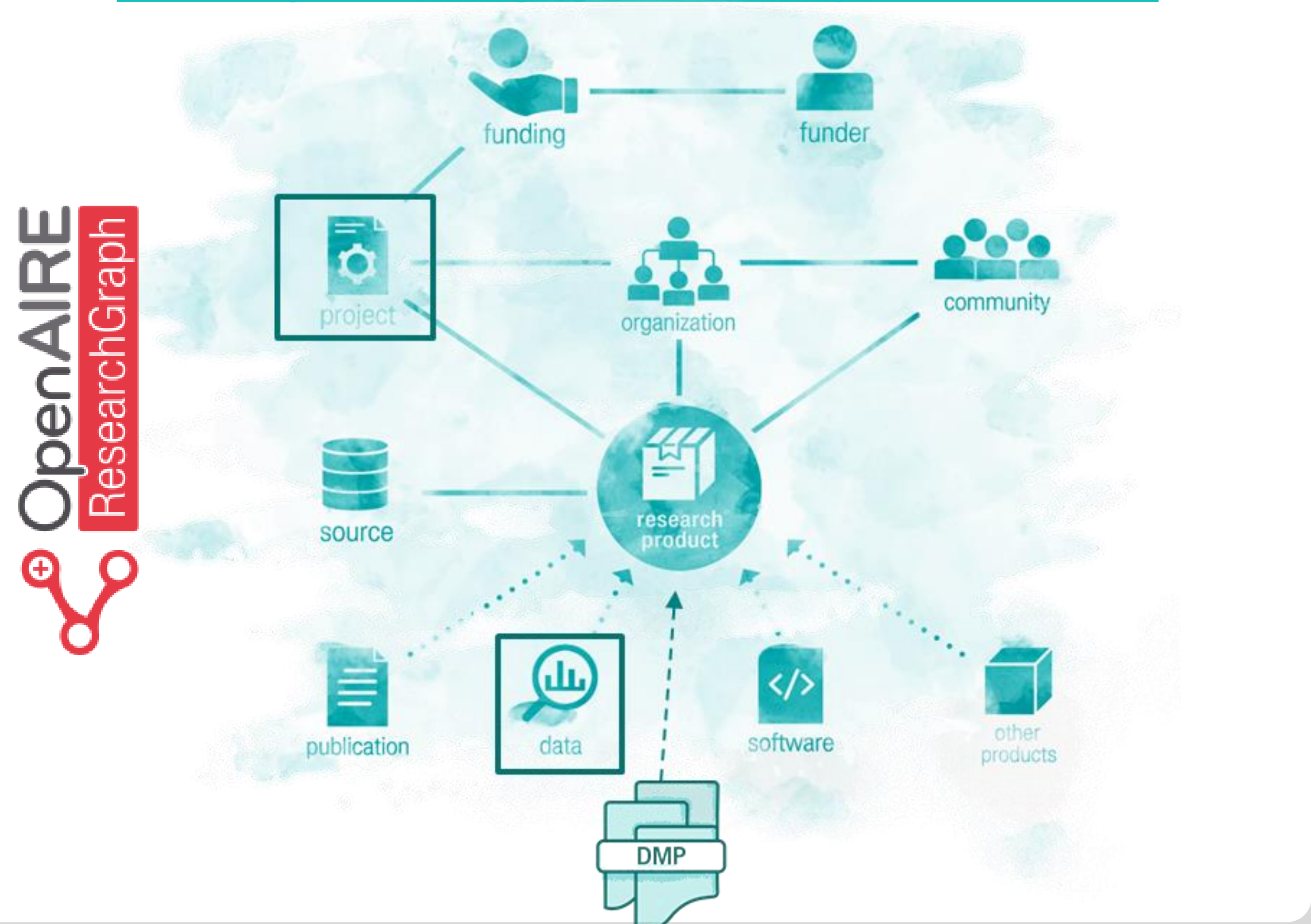
1. DMP-Dataset
2. Import-Export



Argos DMP Lifecycle



Integrating with OpenAIRE

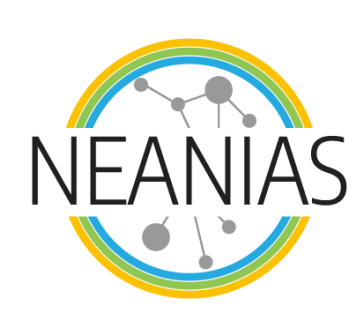


Outcomes

1. Import/export mechanism
2. Template editor new function
3. Argos new entities
4. Differences between DMPs and maDMPs
5. Disambiguation of DMPs
6. DMP entity and relationships
7. Discovery of DMPs/ maDMPs
8. RDA Adoption Story

References

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2. Fajar J. Ekaputra, João Cardoso, Leyla Garcia, Marie Christine Jacquemot. The standard Ontology. Retrieved from: <https://w3id.org/dco/ns/core/3.0.2>
3. Manghi, Paolo, Bardi, Alessia, Atzori, Claudio, Baglioni, Miriam, Manola, Natalia, Schirrwagen, Jochen, & Principe, Pedro. (2019, April 17). The OpenAIRE Research Graph Data Model (Version 1.3).



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