



FAIR-IMPACT in a nutshell Expanding FAIR Solutions across Europe

Call HORIZON-INFRA-2021-E OSC-01-05

Enabling discovery and interoperability of federated research objects across scientific communities

Expanding FAIR solutions in Europe

Partly following up on FAIRsFAIR

EU funded project

Coordination and Support Action

10 million euro

36 months, start 1
June 2022

28 partners and affiliate entities

From 10 EU member states: NL, FI, FR, DK, IT, DE, ES, NO, BE, RO

and the UK



FAIR-IMPACT consortium























UNIVERSIDAD POLITÉCNICA DE MADRID





































FAIR-IMPACT objective

"The overall objective of FAIR-IMPACT is to realise a FAIR EOSC..."

FAIR-IMPACT supports the implementation of FAIR-enabling practices, tools and services,

- across scientific communities
- across research outputs
- at a European, national, and institutional level
- FAIR-IMPACT is a Coordination and Support Action





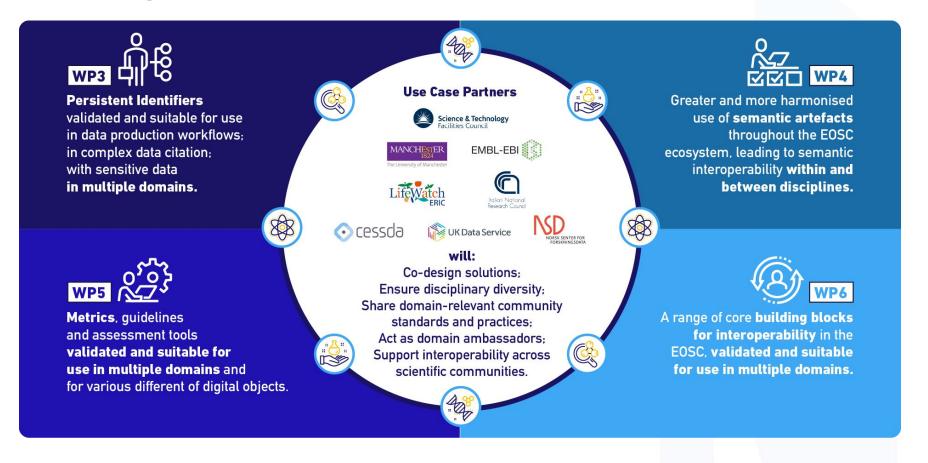


FAIR-IMPACT project design





Practical implementation of the FAIR principles starting with integrated use cases on four scientific domains



Social Sciences and Humanities

The F-UJI tool will be adapted to fit SSH relevant community standards for FAIR

Photon & Neutron science

A range of components for cross-domain research data description will be tested

Life science

Data provenance will be better documented by extending RO-Crate to practices on PID usage

Agri-food

Metadata providers will implement a common API for federating access to semantic artefacts



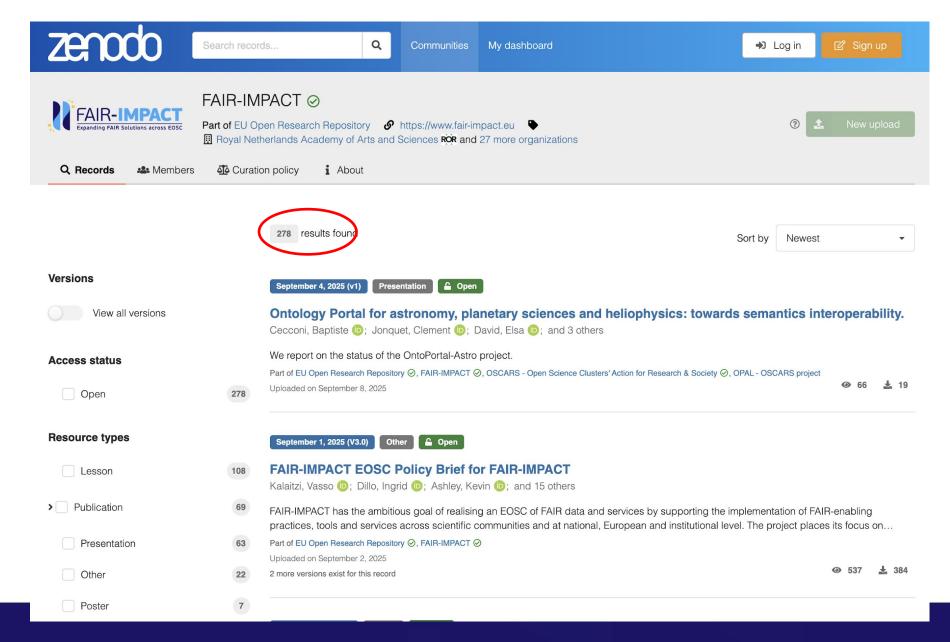
Project outputs

- 4 Key Exploitable Results
- 9 Key Outputs
- 6 Key Functions

Project Title	Expanding FAIR solutions across EOSC
Project Acronym	FAIR-IMPACT
Grant Agreement No.	101057344
Start Date of Project	2022-06-01
Duration of Project	36 months
Project Website	www.fair-impact.eu
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WP4 goals

Semantic artefacts are a key elements to achieving FAIR and these artefacts and their catalogues have to be FAIR too

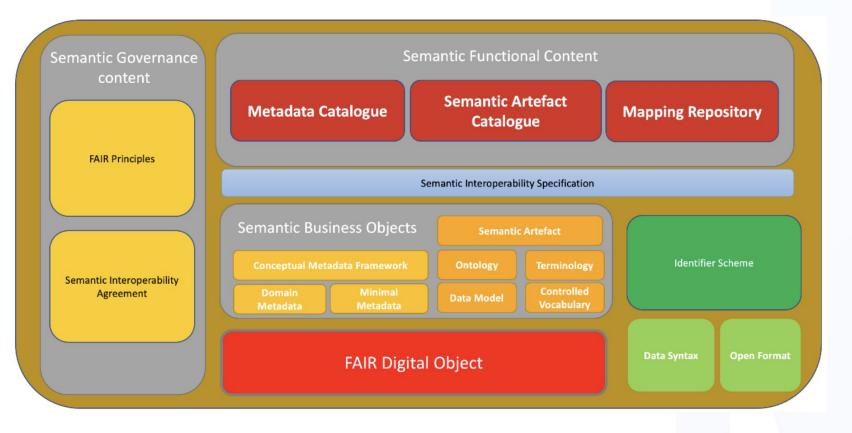
- Broader and more harmonized use of semantic artefacts in EOSC.
- Guidelines to collect and curate research software metadata.
- A framework for metadata crosswalks and mappings between semantic artefacts.
- Use of semantic artefacts within data repositories for better data search and indexing.

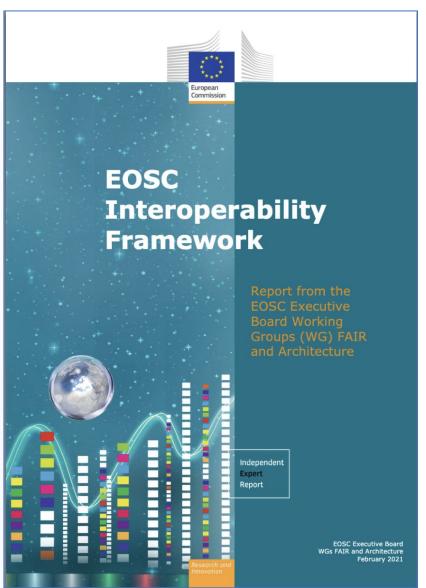


Greater and more harmonised use of semantic artefacts throughout the EOSC ecosystem, leading to semantic interoperability within and between disciplines.



Semantic Artefact Catalogue in the EOSC Interoperability Framework







Our work on Semantic Artefacts and their Catalogues



- Existing catalogues being consolidated in communities
- New catalogues being deployed in other communities/projects
- Semantic Artefact « FAIR-by-design » methodology
- FAIRenabling tools and methods being transferred
- Exhaustive review of current and retired catalogues and FAIR-enabling criteria
- Catalogues being exploited in data repositories (9 use cases)
- A metadata standard for semantic artefacts (MOD)
- A standard API for semantic artefact catalogues (MOD-API)
- Early work on federation of 4 catalogues
- 3 possible models for semantic artefact governance
- Toward specifications for FAIR mappings

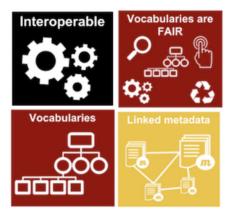


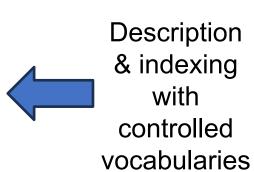


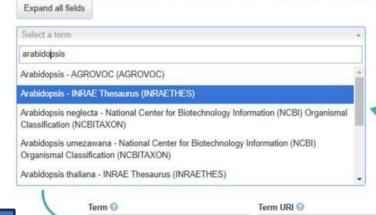


A concrete -French relevant- example









http://opendata.inrae.fr/thesaurusINRAE/

http://opendata.inrae.fr/thesaurusINRAE/

Controlled Vocabulary URL ()

Arabidopsis

INRAETHES

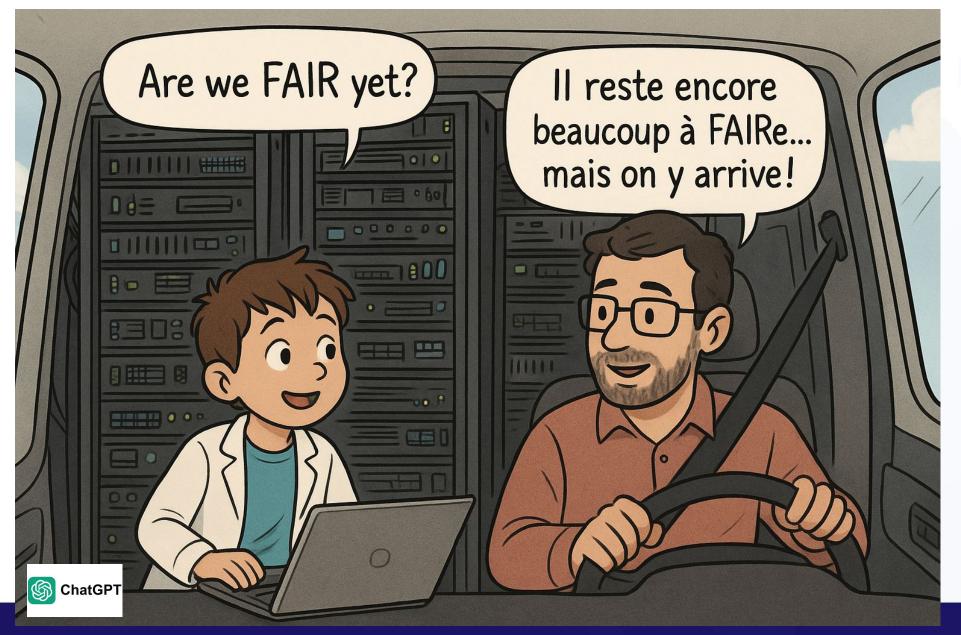
Controlled Vocabulary Name ()



Unique search box

- Search a term in AgroPortal via API
- Import term, URIs, Vocabulary
- Same ID for all languages





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