Semantic Interoperability in FAIR-IMPACT
FAIR-IMPACT Work Packages
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.
Our current steps...

Identify semantic interoperability practices in our use cases (in parallel)

- Start with one of our domains (social sciences, photon and neutron science, life sciences, agri-food) and write down a short story on how data/software is searched for and used, so as to identify the current "technical and semantic interoperability pains" of researchers.
  - Once this initial short story (a day in the life of a researcher) is released, look for others.
- Map needs into technical and semantic components

A catalogue of components and their functionalities

- Take the components from the EOSC Interoperability Framework and start identifying their functionalities (based on their current use, not on our own design ideas)
- Why not taking some of the developments from FAIRCORE4EOSC?

Explore metadata models for data, software and other research artefacts
How to cite:

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Which ones are those components? (I)
Which ones are those components? (II)

- Start thinking about them for the co-design session that we will have later.