



FAIR-IMPACT

Expanding FAIR solutions across EOSC

FAIR-IMPACT collaborative session



Funded by
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Our current steps...

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

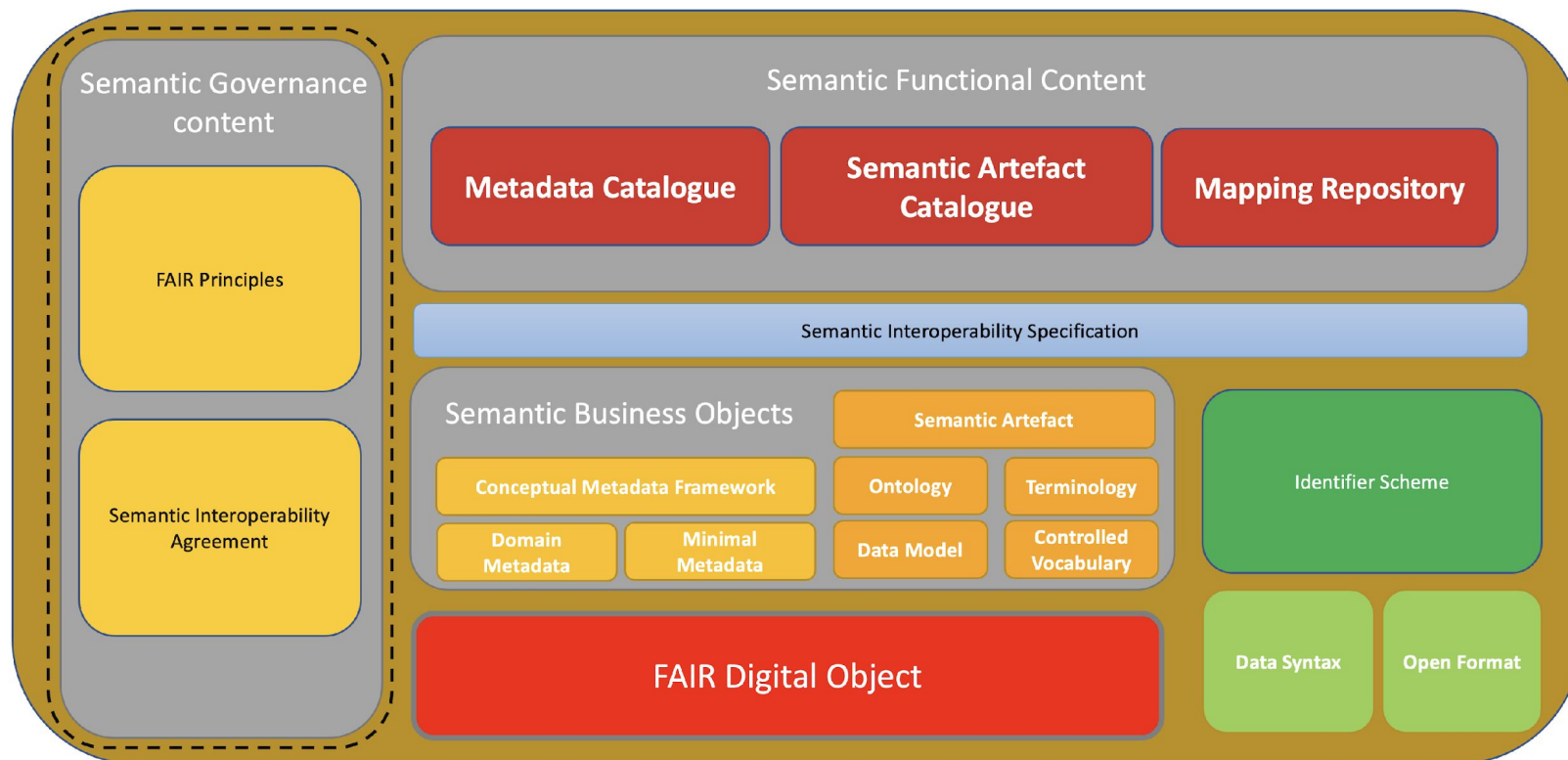
- Start with one of our domains (social sciences, photon and neutron science, life sciences, agri-food) and write down a short story on how data/software is searched for and used, so as to identify the current "technical and semantic **interoperability pains**" of researchers.
 - Once this initial short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

Which ones are those components? (II)



European Commission, Directorate-General for Research and Innovation, Corcho, O., Eriksson, M., Kurowski, K., et al., *EOSC interoperability framework: report from the EOSC Executive Board Working Groups FAIR and Architecture*, Publications Office, 2021. <https://data.europa.eu/doi/10.2777/620649>



<https://short.upm.es/50hz9>

Q1. How many of you are exposed to some sort of semantic interoperability (as users, developers)?

- Domains?
- Needs? Why?
- Would you be willing to be interviewed?

Q2. Do you use semantic artefacts? Is this classification enough?

- Ontologies
- Terminologies/Dictionaries
- Agreed data models
- Controlled vocabularies / thesauri

- Any other?

Q3. Which semantic-related elements and components do you use?

- Minimal metadata models? (e.g., DCAT, Dublin Core, etc.)
 - Domain-specific metadata?
 - FAIR Digital Objects?
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- Where are they stored? How are they used?

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