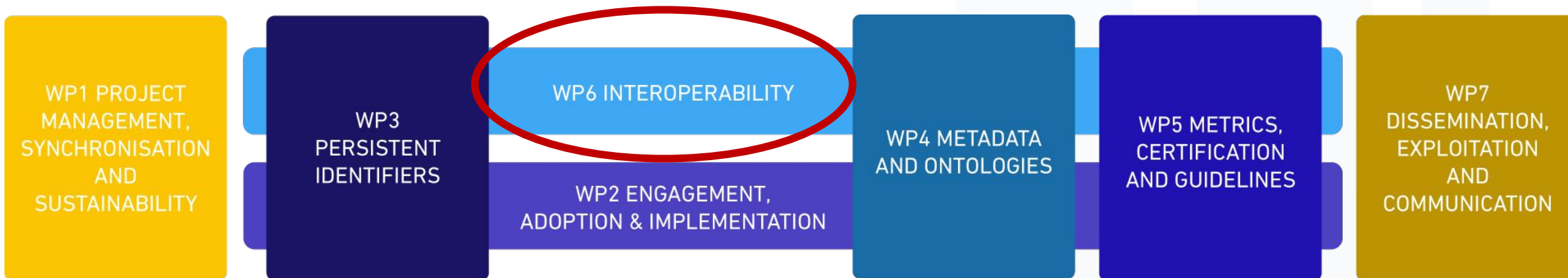




FAIR-IMPACT
Expanding FAIR solutions across EOSC

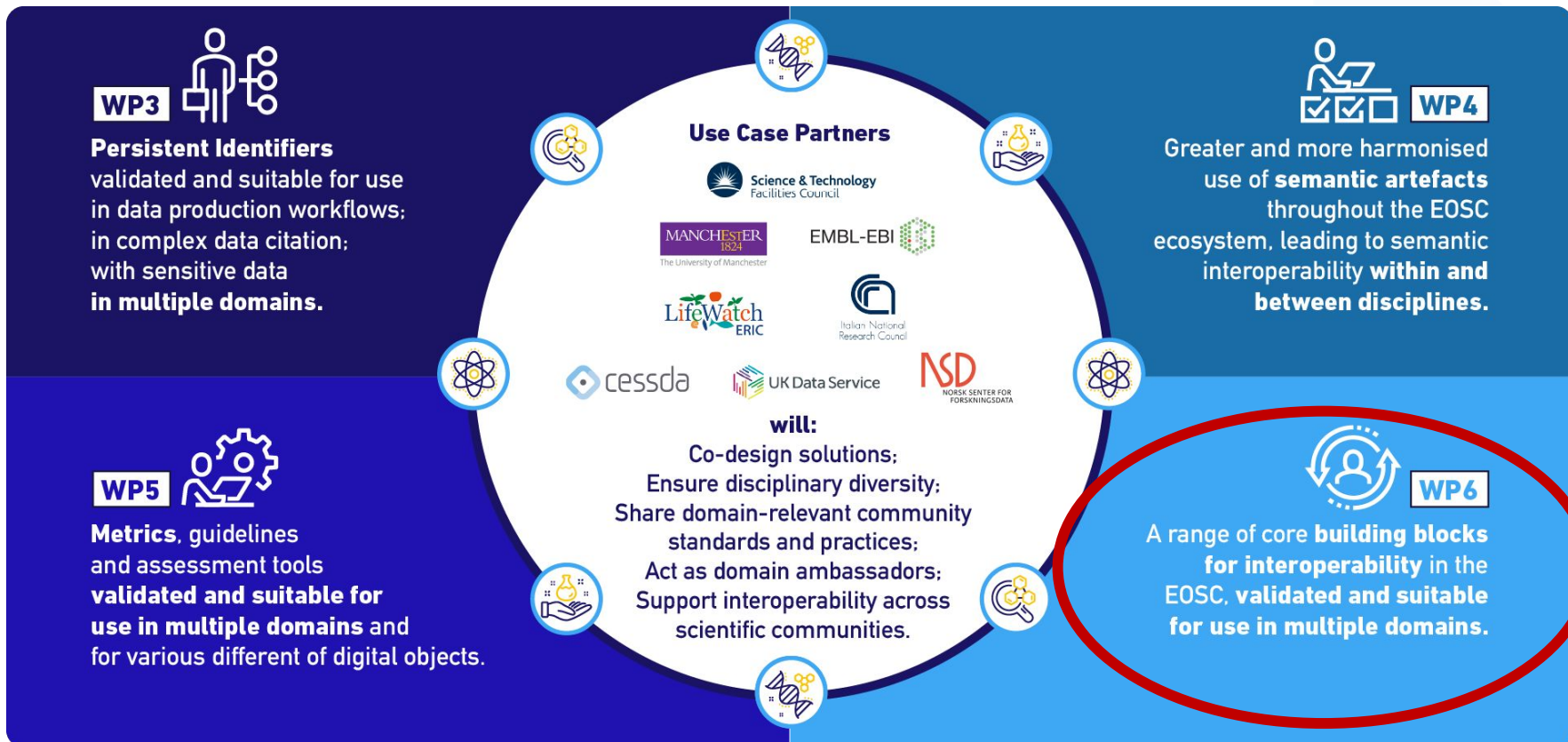
Semantic Interoperability in FAIR-IMPACT

FAIR-IMPACT Work Packages



[FAIR-IMPACT Workplan](#)

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

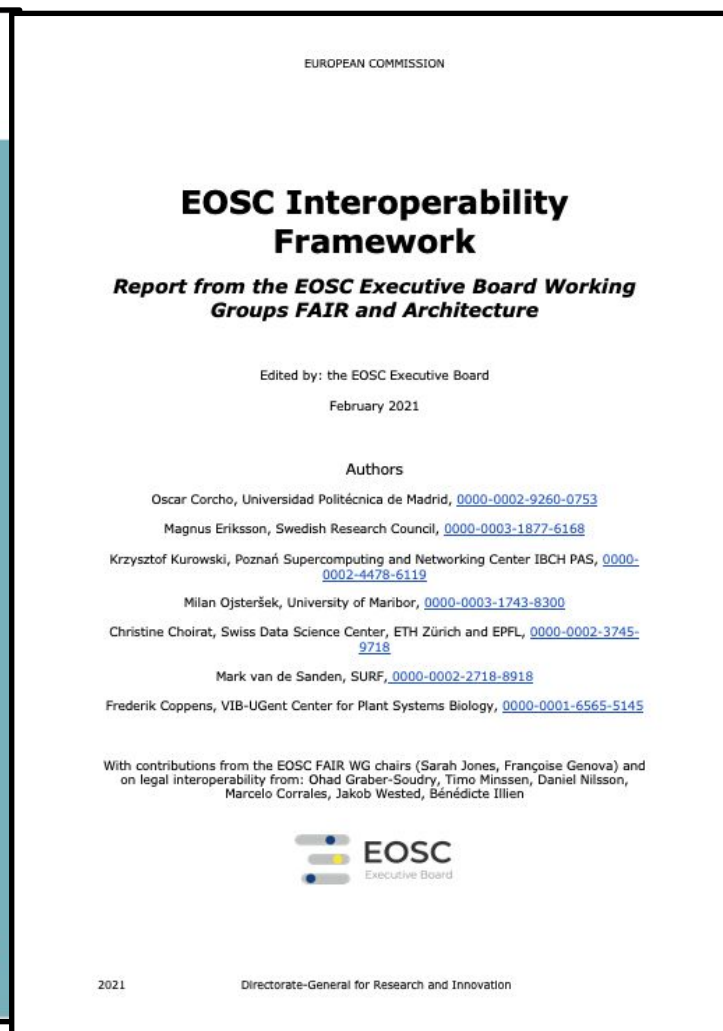
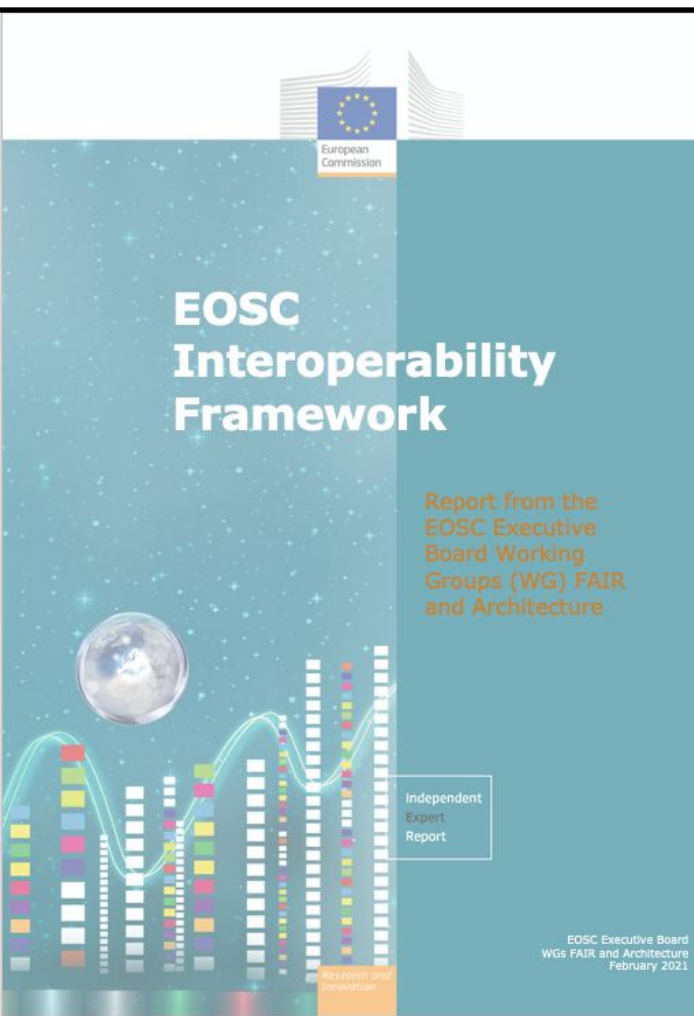
A catalogue of components and their functionalities

- 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



EOSC Interoperability Framework



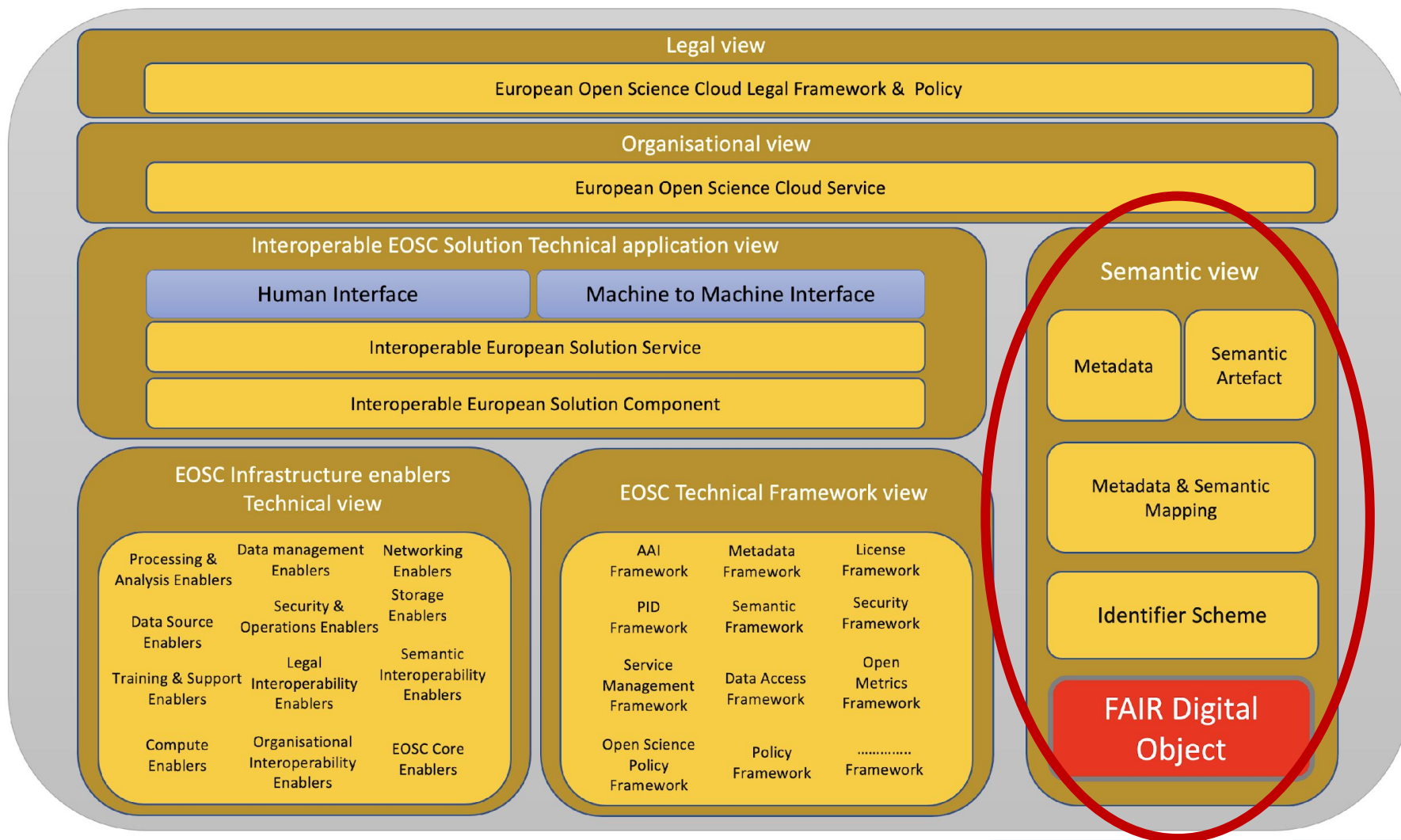
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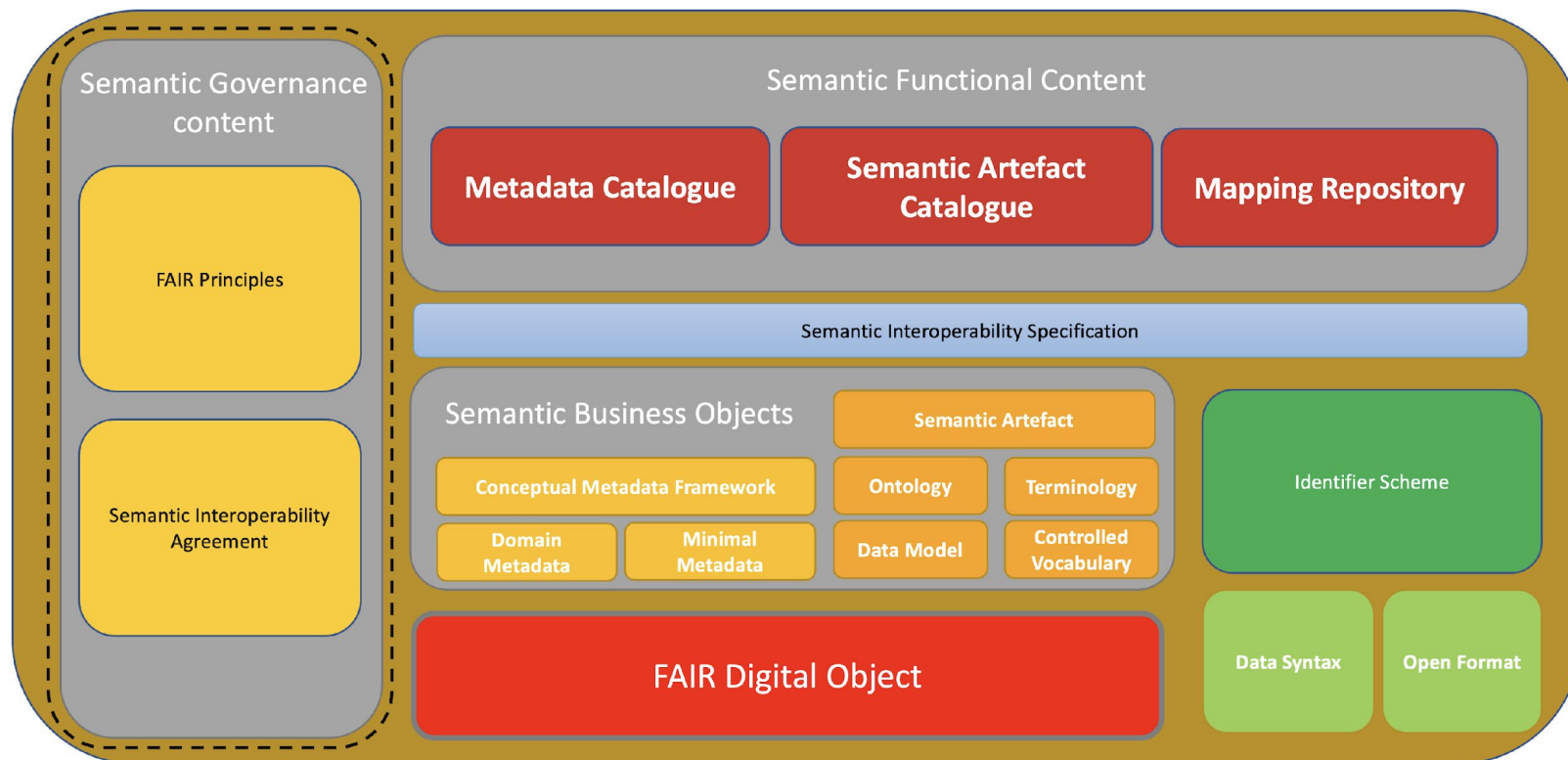
<https://data.europa.eu/doi/10.2777/620649>

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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.

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