

FAIR Policies and Practices in EOSC

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Abstract

The FAIR principles (Wilkinson et al., 2016) offer guidelines on delivering research data that is accessible and reusable, while allowing the rights of researchers to be respected. They have become a central concept in the development of research infrastructure, and in particular the European Open Science Cloud, an effort to federate research e-infrastructures across Europe and beyond into a common data ecosystem. The EOSC has coordinated the development of policy and practices to encourage the publication and use of FAIR data. However, how these principles can be realised in practice for researchers working in particular research areas remains a subject of further exploration.

In this presentation, we shall discuss these aims and approach of the EOSC in advocating FAIR data. We shall further consider how these aims might be reflected in the research practice of scientists working in physical sciences. In particular, we shall present the work of the ExPaNDS project in enabling FAIR data from experimental science undertaken at national facilities, working across the physical and materials sciences. This would include considering how FAIR data can be propagated across the research lifecycle, what policies, tools, and practices would support the generation and use of FAIR data, and the role of data management planning.