How Research libraries can build on the EOSC to support scientific communities

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The EOSCpilot project is a two-year initiative funded by the European Commission to set the ground for the development of the European Open Science Cloud (EOSC).

Research Libraries consider the EOSC as a key driver in the process of implementing Open Science in Europe and fostering the culture of openness in scientific communities. The talk and poster will focus on the following two aspects, that also represent the outcomes of a series of interviews to researchers during the first year of the EOSCpilot project.

Data Culture, Skills, Data Stewardship and Data Management Plans
Of particular importance is the EOSC contribution to shaping a Culture of Data all over Europe and a series of actions to support the development of Skills, Data Stewardship and Data Management Plans. The EOSCpilot is cataloguing the current offer of education and training in research data management, data stewardship and data science, developing an EOSC education and training strategy, and setting up a sustainable technical infrastructure for training, to ensure that shared resources are openly accessible and reusable and that skills can be acquired by all those who need or are interested in them. Libraries play a role in building capacity for data stewardship at various stages of the research life-cycle, both while research is being conducted and after it is completed. They contribute to the development of skills and competencies by delivering local training and train-the-trainer activities for data management and support widely the adoption and monitoring of Data Management Plans.

FAIR Data Principles
The EOSC strongly supports the implementation of the FAIR principles through the use of the digital infrastructures, so to make research data findable and accessible.
The EOSCpilot promotes data interoperability and reusability, by working towards the creation of a shared catalogue of the services currently offered by research infrastructures and e-infrastructures in all disciplines and research domains. This comes together with the development of a policy framework that will set the basis for data production and sharing in Europe.

Libraries play an important role in the promotion of the FAIR principles to local research and IT staff: they facilitate the incorporation of FAIR principles in Data Management Plans as well as in digital preservation practices and policies, support the development and adoption of standards and the provision of rich and reliable metadata, encourage researchers to deposit data with archives that embody the FAIR principles, help institutions in the evaluation of the FAIRness of data collection and Data management practices.

The push towards the FAIR principles is also realised with the 15 science demonstrators EOSCpilot has funded, whose aim is to show the relevance and usefulness of the EOSC Services and their enabling data reuse. Representing different research communities, Science demonstrators can highlight best practices or difficulties in dealing with research data in the realm of the EOSC.