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Building an EOSC in practice

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The European Open Science Cloud (EOSC) is a coordinated effort to provide an European, open environment for scientific data and related processing that promotes convergence of infrastructures and thematic services provided at national or European level. Realizing this level of support requires coordinated actions to provide services to access, process and compute on research data in a scalable way at the European level, ensuring research data is broadly exploitable as a public good.

For the EOSC implementation to succeed in providing such level of integration across research infrastructures, a number of technical integration areas need to be addressed. In particular a higher level of harmonization is needed in policies for data access, policies for resource allocation but also those for enacting policies for authentication, authorisation, and security incident response.

In this presentation we will make a comparative analysis between existing policies and recommendations from EOSC and specifically the results of H2020 projects such as EOSC-hub, AARC and INDIGO-Datacloud. In particular it will address harmonization of resource allocation in the EOSC context, organization of data access scalable in a federated environment, enabling security among collaborating infrastructures and Authorization and Authentication of users in a consistent and scalable way.

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