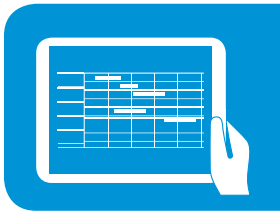
Integrated Services for the European Open Science Cloud



The EC-funded project EOSC-hub project started on January 1, 2018, bringing together an extensive group of national and international service providers to create the hub: a central contact point for European researchers and innovators to discover, access, use and reuse a broad spectrum of resources for advanced data-driven research.

The consortium of 100 partners from more than 50 countries will develop the vision of the hub as the integration and management system of the future European Open Science Cloud. The EOSC-hub project mobilizes providers from the EGI Federation, EUDAT collaborative data infrastructure (CDI), INDIGO-DataCloud and other major European research infrastructures to deliver a common catalogue of research data, services and software for research.

For researchers, this will mean a broader access to services supporting their scientific discovery and collaboration across disciplinary and geographical boundaries.

EOSC-hub will significantly reduce the fragmentation of IT facilities and digital tools in Europe. By bringing together a broad range of services from general and domain-specific research digital infrastructures under a common integration and operation layer, the EOSC-hub will foster new modes of working for collaborative research to deliver trusted services.

EOSC-hub will collaborate closely with OpenAIRE Advance, a project set up to support the open access and open data mandates in Europe.

The Jülich Supercomputing Centre (JSC) is one of the funding members of the EUDAT CDI. JSC operates B2ACCESS, the federated cross-infrastructure authorisation and authentication framework for user identification and community-defined access control enforcement in the EUDAT CDI, which allows EUDAT users to authenticate themselves using a variety of credentials. JSCs second major contribution to the EUDAT CDI is the operation of the B2DROP service, which is a secure and trusted cloud storage to store and exchange data, stipulating how, with whom, and for how long and which allows automatic desktop synchronization of files. In the EOSC-hub project, JSC will integrate B2ACCESS and B2DROP with services from the EGI Federation and INDIGO-DataCloud and support communities in EOSC Competence Centres and thematic service providers in exploiting these services.

Reference

Website: http://eosc-hub.eu

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