



EOSC-hub

Five ways to work with **EOSC-hub**





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A Collaborative Framework for the
EOSC Implementation

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www.eosc-hub.eu

What is EOSC-hub?

EOSC-hub is a three-year (until 2020), 33 million euro project set up to create a single contact point for European researchers and innovators to discover, access, use and reuse a broad spectrum of resources for advanced data-driven research.

The project mobilises providers from the EGI Federation, EUDAT CDI, INDIGO-DataCloud and other major European research infrastructures to deliver a common catalogue of research data, services and software for research.

What is EOSC?

The European Open Science Cloud (EOSC) is a vision set up by the European Commission to give Europe a global lead in scientific data infrastructures and to ensure that European scientists reap the full benefits of data-driven science.

The EOSC will offer a virtual environment with open and seamless services for storage, management, analysis and re-use of research data, across borders and scientific disciplines by federating existing scientific data infrastructures, currently dispersed across disciplines and the EU Member States. Since November 2018 the entry point of EOSC is the EOSC Portal: <http://www.eosc-portal.eu>.

Role of EOSC-hub in EOSC

EOSC-hub plays a central role in implementing the EOSC vision. The project brings mature processes, policies and tools from the leading European e-infrastructures to manage the entire life-cycle of services in EOSC, from design to delivery.

The EOSC-hub Marketplace (<https://marketplace.eosc-portal.eu>) is an online tool where researchers can discover, order, access, use and reuse the services, analytical tools, data management tools, storage and computing resources they need for their work. Service providers can advertise their services and resources in the EOSC-hub Marketplace to make them discoverable and available for access to a broader user group.

As a starting point, the EOSC-hub Marketplace includes nearly 50 services from the EGI Federation, EUDAT CDI, INDIGO-DataCloud, and Research Infrastructures and scientific service providers represented in the EOSC-hub consortium. New service providers are welcome to join (<https://eosc-portal.eu/for-providers>).

The EOSC-hub Marketplace is a key component of the EOSC Portal (www.eosc-portal.eu) which is the reference point for the EOSC stakeholders. Integrating your services in the EOSC-hub Marketplace makes them automatically available via the EOSC portal.



Five Ways to Make the Most of EOSC-hub

EOSC-hub has five engagement channels for stakeholders to benefit from EOSC:

1. Use EOSC-hub services
2. Join the Marketplace as provider
3. Training and user support
4. Digital Innovation Hub
5. Networking

1. Use EOSC-hub services

The EOSC-hub service catalogue is displayed through the EOSC-hub Marketplace (<https://marketplace.eosc-portal.eu>) and includes services provided by the EGI Federation & EUDAT, services developed by the INDIGO-DataCloud project and discipline-specific services provided by research communities and research infrastructures.

The EOSC-hub services cover the entire lifecycle of research, including Compute & Storage, Data Management, Processing & Analysis, Security & Operations, Sharing & Discovery, Training & Support. EOSC-hub offers:

- Access to all services through the EOSC-hub Marketplace.
- Advice on which services to use, and on how to combine multiple services for maximum value. (Contact the support team: contact@mailman.eosc-hub.eu)
- Assistance and training during service access, integration and exploitation via APIs, command line or graphical interfaces (interfaces depending on the services in scope).
- Funding for providers to ensure that their capacity can scale up to the levels required by and negotiated with the users.
- Investigation of procurement options where extra capacity and new types of services are required for use cases.

The providers of discipline-specific services in EOSC often also act as users of generic EOSC-hub services. In such cases Infrastructure-as-a-Service clouds, Data management services, Authentication and Authorisation services from EOSC-hub are the typical choices for use.

Interested?

Go to the EOSC-hub Marketplace

<https://marketplace.eosc-portal.eu>



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www.eosc-hub.eu

2. Join as provider

The EOSC-hub Marketplace welcomes the participation of service providers willing to develop EOSC into a rich environment, offering a wide range of services and resources for researchers. By contributing services and resources to the EOSC-hub Marketplace, providers can:

- Reach a wider user base and promote service adoption outside traditional user groups.
- Get statistics about access requests and customer feedback.
- Benefit from a free online platform to manage service requests, interact with users and provide support for them, including negotiation of service levels (SLA).
- Allow users to authenticate and access services with their own credentials or get support to enable this functionality.
- Contribute to the definition and maintenance of EOSC service provisioning policies and the portfolio roadmap.
- Join the group of providers that meet EOSC quality standards.

The requirements to publish services in the EOSC-hub Marketplace are:

- The service is accessible by users outside its original community.
- The service is described through a common template focused on value proposition and functional capabilities. (This description is visible in the EOSC Marketplace)
- At least one service instance is running in a production environment and is available for all interested users (minimum TRL: 8).
- Published research data is Findable, Accessible, Interoperable and Reusable [<https://www.force11.org/group/fairgroup/fairprinciples>].
- Release notes and sufficient documentation are available.
- Helpdesk channels are available for support, bug reporting and requirements gathering.

Interested?

Apply via the webform

<https://eosc-portal.eu/join-provider>

What if a service is not (yet) EOSC-ready?

Sometimes services require integration with existing generic EOSC-hub services (e.g. compute, storage) before joining the EOSC. EOSC-hub is ready to support service providers interested in integration and testing via Competence Centres (CCs) focusing on how research communities can use existing, generic EOSC-hub services and resources to support their data- and computing-intensive science cases.

Each CC represents a well-established and mature research infrastructure or international scientific collaboration that requires advanced and integrated data and computing services. The CCs operate independently from each other but share the interest and needs in using common solutions from EOSC.

Interested? Apply for Competence Centre status via contact@mailman.eosc-hub.eu



3. Training and user support

EOSC-hub runs a training programme on EOSC-related topics, from data management issues to integration support.

Training events and materials are catalogued by EOSC-hub on the project website (<https://www.eosc-hub.eu/training-material>) and the project promotes online and face-to-face courses directed at relevant audiences. Training coordinators monitor the EOSC training landscape, bring together demands and offers, and support the development of training materials and events about highly demanded topics. Webinars and online guides are also available for trainers to maximise the effectiveness of knowledge transfer.

EOSC training focus either on specific services (e.g. capabilities of the DIRAC Workload Management service), or on generic topics in Open Science (e.g. Good practices in Data Management Planning).

Initiatives wishing to contribute to EOSC are encouraged to get in touch with the EOSC-hub training activity coordinator to share training plans and materials and to promote their own events towards EOSC communities (Training coordinator: training@mailman.eosc-hub.eu).

Interested?

Browse the Training Materials

<https://www.eosc-hub.eu/training-material>

4. Digital Innovation Hub

EOSC-hub has set up the EOSC Digital Innovation Hub (DIH) as a mechanism for private companies to collaborate with public sector institutions in order to access technical services, research data, and human capital.

The DIH is working closely with six business pilots to open the benefits of the European Open Science Cloud to private companies. The business pilots involve business organisations and EOSC service providers to establish commercially viable services with the use of services, technologies and expertise from EOSC.

The EOSC DIH is open for new partners to join either as service/resource/technology providers or as new business pilots requiring services and expertise from EOSC. There is also a voucher scheme to support testing. For questions, please contact: Sy Holsinger (business@eosc-hub.eu).

Interested?

Fill a form with your expression of interest

<https://www.eosc-hub.eu/join-eosc-digital-innovation-hub>



5. Networking

EOSC-hub is committed to establish partnerships with like-minded organisations and keen to build solid networks to support national groups in the domain of Open Science. These include: the national e-Infrastructures (NGIs) that represent the backbone of the EGI Federation, OpenAIRE national nodes (NOADs), and GÉANT's national members (NRENs). EOSC-hub organises regular teleconferences and face-to-face meetings where these partners share experiences, and good practices, and align their plans concerning outreach and support for researchers and research communities.

EOSC-hub is open for partnership with additional stakeholders to reach and support new types of users and providers. National initiatives, international networks and science discipline specific networks are encouraged to establish a partnership and join forces with EOSC-hub in this context.

Interested?

Contact us via

contact@mailman.eosc-hub.eu

Benefits of engaging with EOSC-hub

If you are...	You can...
working in research or industry	<ul style="list-style-type: none">Get access to services, resources and technical support for integration and exploitationDiscover new data sets and toolsContribute software or data to EOSC through any of the validated repositoriesJoin the network of projects and communities who co-pilot custom services and setups in EOSCProvide technical or policy requirements for the EOSC evolution
a service provider	<ul style="list-style-type: none">Promote your service to a global audienceSupport and provide training for an international user baseParticipate in a community of service providers, share and learn from good practices of Open Science

