The EOSC Portal: Uses and benefits for researchers

Research is always evolving, and innovation and breakthroughs are enabled by the resources and services available to researchers. In addition to discipline-specific solutions, the European Open Science Cloud (EOSC) is there to help researchers find, access, exploit and re-use data resources and services.

Research communities and research infrastructures are collaboratively creating their respective parts of EOSC and support the formation of an EOSC central infrastructure, including the EOSC Portal.

Additional EOSC services

**Federated AAI**

Federated Authentication and Authorization Infrastructure (AAI) is a service provided by many research community infrastructures that enables users to access those services and tools with their institutional credentials. EOSC provides the same federated AAI for all its core services and offers guidelines for application developers who consider implementing EOSC type federated AAI in new services.

**EOSC Monitoring**

EOSC service providers can integrate the EOSC monitoring service into their own services which helps to measure and improve the service reliability (e.g. uptime). Potential users can view this information via the service landing page in the catalogue or overall EOSC services status page.

**EOSC Helpdesk**

EOSC offers a helpdesk service that EOSC service providers can integrate into their own services at different levels, e.g., linking their service’s GUI or integrating their own helpdesk workflow with the central EOSC Helpdesk.

Find out how to use the EOSC Portal – a search engine for the cross-domain discovery of publications, data, software, grey literature and other research, services and training resources.

**Discover a wealth of research products and services with EOSC**

The EOSC Portal complements discipline-specific catalogues and marketplaces, offering new possibilities to find (and publish your own) data and research outputs. For researchers, the Portal is a first step in the search for data from various disciplines related to your and your colleagues’ research projects. You can also find many useful data analysis tools (e.g. Jupyter notebooks).

**Increase your organisation’s visibility by registering your research products and services with EOSC**

Research data-hosting organisations and infrastructures can increase the visibility of their datasets and other research products by registering their repositories and enabling automatic metadata harvesting of their resources through the EOSC Portal.

**Add research support services to the EOSC Marketplace**

IT and related service providers can make their offers available to a vast network of research communities and their RIs as well as public organisations and industry stakeholders.

Find out how to use the EOSC Portal – a search engine for the cross-domain discovery of publications, data, software, grey literature and other research, services and training resources.

**Stay up to date on the EOSC Portal and services**

Want to learn more about EOSC and what has been developed in the past years in the context of EOSC Future and other EU-funded projects? Discover science projects, EOSC in practice stories and the latest EOSC news.

Stay up to date on the EOSC Portal and services

Want to learn more about EOSC and what has been developed in the past years in the context of EOSC Future and other EU-funded projects? Discover science projects, EOSC in practice stories and the latest EOSC news.

www.eoscfuture.eu  

The EOSC Portal is a search engine for the cross-domain discovery of publications, data, software, grey literature and other research, services and training resources.

Stay up to date on the EOSC Portal and services

Want to learn more about EOSC and what has been developed in the past years in the context of EOSC Future and other EU-funded projects? Discover science projects, EOSC in practice stories and the latest EOSC news.

Stay up to date on the EOSC Portal and services

Want to learn more about EOSC and what has been developed in the past years in the context of EOSC Future and other EU-funded projects? Discover science projects, EOSC in practice stories and the latest EOSC news.

Stay up to date on the EOSC Portal and services

Want to learn more about EOSC and what has been developed in the past years in the context of EOSC Future and other EU-funded projects? Discover science projects, EOSC in practice stories and the latest EOSC news.

Stay up to date on the EOSC Portal and services

Want to learn more about EOSC and what has been developed in the past years in the context of EOSC Future and other EU-funded projects? Discover science projects, EOSC in practice stories and the latest EOSC news.
How did the COVID-19 pandemic affect air quality in France?

ANNE FOUILLOUX, Climate data scientist

SEARCH
Anne starts by checking the EOSC Portal for existing research outputs that can help her on her way. She's in luck! She finds a Jupyter notebook with atmospheric data from Copernicus, the EU’s Earth Observation Programme.

FINDING COMPATIBLE TOOLS
Additionally, EOSC recommends tools to help Anne process the Jupyter notebook and share her outputs.

ORDERING AND ACCESS
Anne is eager to dive in. To request access to the Jupyter notebook, she’ll need to place an order through EOSC. With just a few clicks she makes the request for an EGI Notebook* and B2Drop** package.

SHARING RESULTS
Anne also uses the Jupyter notebook and B2Drop to make her outputs accessible through EOSC using Zenodo***.

REUSE
Anne adapts and reuses the Jupyter notebook to get results for France in the years before, during and after the COVID-19 pandemic.

The EOSC Future project is co-funded by the European Union Horizon Programme call INFRAEOSC-03-2020 - Grant Agreement Number 10107556.