# EOSC Portal

Sonja Filiposka, UKIM

NI4OS-Europe National End Users Training
Montenegro, 24.05.2022
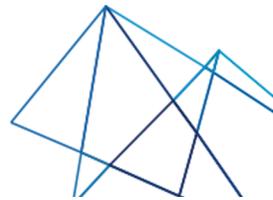
# EOSC entry points

EOSC Portal

e-Infrastructures

Regional and Thematic portals

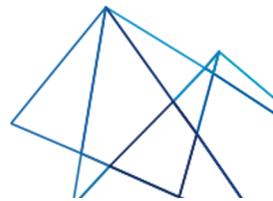Project-oriented catalogues of services and resources

# EOSC Portal

- **Universal entry point**

- to effective and efficient services, data and resources

- to perform science in a
    - collaborative,
    - open and
    - cost-efficient way

- for the benefit of society and the public

# Components

**Content component** (https://eosc-portal.eu/)

- updates on EOSC, projects contribution, relevant European and national policies, documents, tutorials and support materials...

**Provider component** aka Providers Portal (https://providers.eosc-portal.eu/)

- providers can register their profile and onboard resources into the EOSC Catalogue

**User component** aka EOSC Marketplace (https://marketplace.eosc-portal.eu/)

- The user interface for researchers to find and access a wealth of services and resources, onboarded into the EOSC Catalogue.

# Content

**EUROPEAN OPEN SCIENCE CLOUD**

About   Services & Resources   Help Desk   Policy   Use Cases   Media   For providers   Using the Portal

**EOSC Portal - A gateway to information and resources in EOSC**

## The European Open Science Cloud (EOSC)

*Providing 1.8 million European researchers and 70 million professionals in science and technology a virtual environment with open and seamless services for storage, management, analysis and re-use of research data, across borders and scientific disciplines.*
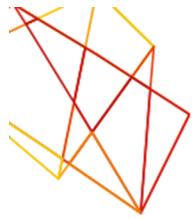
**More about EOSC**

### Access the EOSC Portal Catalogue & Marketplace

| Scientific Domains | Categories |
| --- | --- |
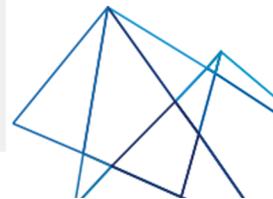
# Service Providers can

Publish, share and advertise services and resources to a wider user base

Get statistics about access requests and customer feedback

Get a free online platform to manage service requests, interact with users and provide support, and agree the most suitable service levels

Allow users to authenticate with existing credentials to access services and resources and get support to enable this

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.

# Providers Portal
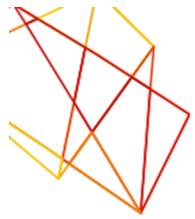
# Researchers can

Discover and compare multiple resources and services such as data, compute and thematic services

Access services and resources with no need to create new credentials for authentication

Find information on access policies, maturity level, and compliance to standards

Obtain the latest information about EOSC:

- from governance models to rules of participation
- from the latest policies to funding opportunities

Pick up on best practices and practical examples

Provide feedback about services and information to contribute to building the EOSC service portfolio

# Catalogue & Marketplace

| Scientific Domains | Categories | Scientific Domains | Categories |
|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Medical & Health Sciences | Engineering & Technology | Natural Sciences | Access physical & eInfrastructures | Aggregators & Integrators | Processing & Analysis |
| Generic | Humanities | Agricultural Sciences | Security & Operations | Sharing & Discovery | Training & Support |
| Social Sciences | Other | | | | |

**Browse all resources**

**EUROPEAN OPEN
SCIENCE CLOUD**

Find resource...        All resour...    🔍        My EOSC Marketplace

🏠 › Resources

| **All Resources** | **322** |
|---|---|

**CATEGORIES**

| | |
|---|---|
| Access physical & eInfrastructures | 74 |
| Aggregators & Integrators | 26 |
| Processing & Analysis | 137 |
| Security & Operations | 27 |
| Sharing & Discovery | 86 |
| Training & Support | 29 |
| Other | 12 |

**FILTERS**

**Scientific Domains** ⌃

Find or choose from the list below

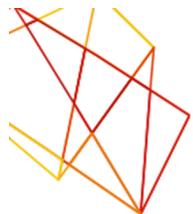| | |
|---|---|
| ☑ Generic | 146 |
| ☐ Generic | 146 |
| ☐ Natural Sciences | 100 |
| ☐ Earth & Related Environmental Sciences | 43 |
| ☐ Biological Sciences | 37 |
| ☐ Physical Sciences | 19 |
| ☐ Computer & Information Sciences | 11 |
| ☐ Chemical Sciences | 9 |
| ☐ Other Natural Sciences | 2 |
| ☐ Mathematics | 1 |
| ☐ Engineering & Technology | 31 |
| ☐ Electrical, Electronic & Information Engineering | 11 |
| ☐ Environmental Engineering | 11 |

# Resources

☁ **SUGGESTED**

### European Social Survey (ESS) as a ser...

European Social Survey (ESS) data with 17, 000 variables across numerous countries and 20 years

Organisation:
**European Social Surve...**

### Trusted Certificate Service

Increasing online security by facilitating the deployment of digital certificates.

Organisation:
**GÉANT Association**

### MetaCentrum Cloud

Czech national scientific cloud

Organisation:
**CESNET**

1-10 of 322 results        Sort by:  by name A-Z        **10**  20  30  Items on page

⬇ ORDER REQUIRED

## 100 Percent IT Trusted Cloud

Infrastructure as a Service (IaaS), secured by cutting edge cybersecurity software co-developed by the University of Oxford

Organisation:    **100 Percent IT**
Scientific domain:  Generic

☐ Add to comparison        ☐ Add to favourites

**100%IT**

▥ FULLY OPEN ACCESS

## 3DBionotes-WS

3DBIONOTES-WS a web application designed to automatically annotate biochemical and biomedical information onto structural models.

Organisation:    **Centro Nacional de Biotecnologia (CSIC)**
Provided by:     **Consejo Superior de Investigaciones Científicas (CSIC), INB: The Spanish National**

3DBIONOTES-WS

Find resource...   Access ph... ⌄   🔍   My EOSC Marketplace

🏠 › **Resources** › Access physical & eInfrastructures

# Access physical & eInfrastructures

Ultra-fast connectivity and ubiquitous access, high performance computing, cloud capacity and storage.

| All Resources | 322 |
|---|---|
| **CATEGORIES** | |
| **Access physical & eInfrastructures** | **74** |
| Compute | 48 |
| Data Storage | 23 |
| Instrument & Equipment | 0 |
| Material Storage | 0 |
| Network | 8 |
| Aggregators & Integrators | 26 |
| Processing & Analysis | 137 |
| Security & Operations | 27 |
| Sharing & Discovery | 86 |
| Training & Support | 29 |
| Other | 12 |

**FILTERS**

**Scientific Domains** ⌃

Find or choose from the list below

| ☐ Generic | 47 |
|---|---|
| ☐ Generic | 47 |
| ☐ Natural Sciences | 14 |
| ☐ Biological Sciences | 7 |
| ☐ Earth & Related Environmental Sciences | 6 |
| ☐ Chemical Sciences | 2 |
| ☐ Computer & Information Sciences | 1 |
| ☐ Physical Sciences | 1 |
| ☐ Mathematics | 0 |
| ☐ Other Natural Sciences | 0 |
| ☐ Engineering & Technology | 9 |

☁ **SUGGESTED**

**de.NBI Cloud: Cloud Computing for Lif...**

Compute Power for your Project

Organisation:
**de.NBI - German Netwo...**

**cPouta Community Cloud**

cPouta - IaaS for science

Organisation:
**CSC – IT CENTER FOR S...**

**European Cloud Hosting**

A solid, simple, scalable and secure European cloud hosting alternative
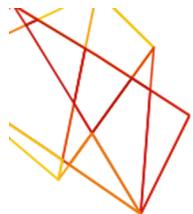
Organisation:
**EXOSCALE**

1-10 of 74 results    Sort by: by name A-Z ⌄    **10** 20 30 Items on page

⏻ ORDER REQUIRED

## 100 Percent IT Trusted Cloud

Infrastructure as a Service (IaaS), secured by cutting edge cybersecurity software co-developed by the University of Oxford

Organisation: **100 Percent IT**
Scientific domain: Generic

100%IT

☐ Add to comparison   ☐ Add to favourites

📖 OPEN ACCESS

## AiiDAlab

Reproducible turn-key workflows for materials science

Organisation: **Materials Cloud**
Scientific domain: Chemical Sciences

AiiDAlab

☐ Add to comparison   ☐ Add to favourites

EUROPEAN OPEN
SCIENCE CLOUD

Find resource...          All resour... ▼    🔍          My EOSC Marketplace

🏠 › Resources › Access physical & eInfrastructures › Compute › Job Execution › ARIS

**ARIS**

GRNET High Performance Computing Services

Organisation: **National Infrastructures for Research and Technology**

⭐⭐⭐⭐⭐ (0.0 /5)  0 reviews    ☐ Add to comparison    ☐ Add to favourites

**Access the resource**

⟳ ORDER REQUIRED

→ Webpage        → Helpdesk e-mail        → Manual        Ask a question about this resource?

**ABOUT**    DETAILS    REVIEWS (0)

GRNET (National Infrastructures for Research and Technology) provides high performance computing resources to the Greek and international scientific and research communities in order to conduct scientific research.It is a typical HPC system.

All compute nodes are used through SLURM resources/workload manager, they are not directly accessible by end user and they havn't internet access. All compute jobs run through SLURM. Access to the system is allowed only via SSH from specific Ips/networks to login nodes from which all data management/transfers, job submition etc. are performed. Only local LDAP authentication is supported.

Authorization to use each partition, run limits, budget, accounting etc. are handled by SLURM. System has total 2 PB (raw) shared storage (gpfs) with usable, after raid etc. capacity of 1.4 PB splitted in three partitions with tuning for different types of storage usage.

It supports large number of applications, optimized for each partition hardware. Software is organized via environment modules. It supports containers (ONLY singularity). Its average yearly usage is 86.6% during last year – including downtimes.

**SCIENTIFIC CATEGORISATION**

⚛
Generic

• Generic
  – Generic

**CATEGORISATION**

• Compute
  – Job Execution

**TARGET USERS**

• Students
• Research Infrastructure Managers
• Researchers
• Research Projects
• Research Groups

# ARIS

| Access instructions | Final details |
|---|---|

This resource can be ordered via EOSC Marketplace. Once the information provided in the details of the underpinned Project is verified, the resource will be delivered to you by the resource provider.

To access the resource:

- Place an order to request access

- You will receive the summary of your order via email

- You will be contacted by the support team once the resource is ready for you to use

Your resource request status changes can be tracked in the project's dashboard. To find out more about Projects in EOSC Marketplace, please refer to our FAQ

Next

CANCEL ORDER AND QUIT    **Send access request**

# ARIS

| Access instructions | Final details |
|---|---|

Please select a Project and review the summary below. Once you submit the order, your request will be sent to a resource provider.
The order status will be visible at your Project space.

## MY PROJECTS

You can organize your resources in projects. Add this resource to a specific project or create a new one.

Project *

[                                                              ⇅ ]    **Add new project**

## ADDITIONAL INFORMATION

Additional comment

[                                                                              ]

[ ] I'm not a robot    reCAPTCHA
Privacy - Terms

BACK TO PREVIOUS STEP - ACCESS INSTRUCTIONS          **Send access request**

# How to use the portal
## https://eosc-portal.eu/using-the-portal

# EOSC Portal Future Developments

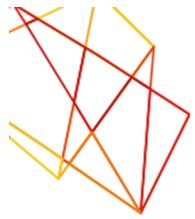**Integrate with data repositories**

**Enhanced user experience**

**Intelligent interface**

- Suggestions
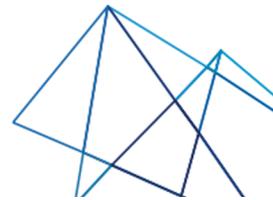- Combining services

**Based on input from users and use cases**

# Links & contact

- **Useful links:**
  - https://www.eosc-portal.eu/
  - https://marketplace.eosc-portal.eu/
  - https://eosc.eu/

- **Get in touch with EOSC:**
  - https://www.eosc.eu
  - https://eosc-portal.eu/contact-us

- **EOSC Future**
  - https://eoscfuture.eu/

# THANK YOU

**Any Questions ?**