Advanced Computing for a Data–Driven Future

Supporting data–intensive research with advanced computing services

About EGI

We are the federation of computing and storage resource providers united by a mission of delivering advanced computing and data analytics services for research and innovation.

From advanced HTC and Cloud computing to Data spaces and data analytics tools, EGI changes the way researchers open and innovate their science, and operate in digital environments.

EGI Service Providers

EGI is a federation of computing and storage resource providers united by a mission to support research and development. The federation is governed by the 29 participants represented in the EGI Council and coordinated by the EGI Foundation.

+94K	7B	80M
users trust EGI	HTC CPU hours in 2023	Cloud hours in 2023

> Our service portfolio is based on IT solutions that are co-developed with research communities and specialised to address the needs of the most demanding large-scale data-intensive science. Our compute fabric federates the advanced capabilities of hundreds of research data centres in Europe and beyond.

Tiziana Ferrari
EGI Director

EGI's collaborative infrastructure supports the reuse and customisation of high-tech solutions, proven successful in complex digital research projects.

Our expert network assesses technology needs, recommends solutions, and collaborates on advancing setups. EGI provides tailored training for maximising resource utilisation.

Services for Research

Our large-scale computing and data analytics services are helping scientists to accelerate the process leading to research outputs.

Compute

EGI compute infrastructure provides fast and flexible compute capacity to fit any research need. Our Compute Services are the perfect choice for researchers who demand the best in performance, flexibility, and ease of use.

Cloud Compute
Run virtual machines on demand with complete control over computing resources

Cloud Container Compute
Run Docker containers in a lightweight virtualised environment

High-Throughput Compute
Execute thousands of computational tasks to analyse large datasets

Software Distribution
Publish and access software efficiently across multiple sites

Compute orchestration

These services are designed to give you complete control over your computing resources across the EGI distributed infrastructure, maximising the efficiency of your computing operations, streamlining your workload management, and boosting your productivity.

Workload Manager
Manage computing workloads in an efficient way

Infrastructure Manager
Use cloud orchestrator to deploy and configure complex virtual infrastructures

Storage and Data

Do you need reliable services for storing and transferring your data across international research teams? With three specialised services to choose from, we have everything that users and service providers might need to store, share, and transfer their valuable data in a reliable and efficient way.

Online Storage
Store, share & access files and metadata on a global scale

Data Transfer
Transfer large sets of data from one place to another

DataHub
Access key scientific datasets in a scalable way

Security & Identity

EGI Check-in enables single sign-in through different Identity Providers across multiple services. It acts as a central hub that connects federated Identity Providers to many service providers.

Check-in
Login with your own credentials

Secrets Store
Easily retrieve, manage, and rotate credentials, API keys, and other secrets through their lifecycle

Training

At EGI, we believe in empowering scientific communities through professional development and the acquisition of knowledge. We offer a wide range of training and consultancy services to help you make the most of our cutting-edge EGI services.

FitSM Training
Learn how to manage IT services with a pragmatic and lightweight standard

ISO 27001 Training
Learn how to manage and secure information assets

Training Infrastructure
Dedicated computing and storage for training and education

Applications

With EGI Applications, you can gain access to online applications, application-hosting frameworks, and a browser-based tool for compute-intensive data analysis. Our innovative services offer a range of features and benefits that will transform the way you work with data.

Replay
Reproduce and share research on a notebooks-based platform

Notebooks
Create interactive documents with live code, visualisations and text

EGI Solutions

From advanced computing to data spaces and service hosting, EGI changes the way researchers innovate science and operate in a digital world.

Explore our solutions

Batch computing
Enables researchers, and scientific communities to easily and efficiently run hundreds of thousands of batch computing jobs on the EGI Infrastructure.

Interactive computing
Web-based environment to facilitate the sharing and reproducibility of Open Science.

Federated access
Identity and access management solution to increase productivity and secure access to services and resources.
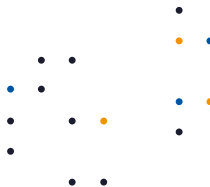
Data Space
Provisioning of integrated compute and data capacity, data collections, as well as cloud-enabled service offering for scalable data analysis.

Data Federation
Unified data access across distributed data providers.

Service hosting
Dedicated and secure servers to deploy and scale-up domain-specific web hosting solutions on the EGI Federated Cloud.

How to Access

Our goal is to make accessing essential services for researchers easy and free. We balance this by utilising national and European investments to support our infrastructure and compensate professionals. Community funding supplements our resources, ensuring long-term sustainability beyond short projects.

Sponsored access

EC Funding
- WHAT: Virtual access to EGI services, support or co-development
- ACCESS POLICY: Free at the point of use
- REQUIREMENT: Relevance to scope of the project
- SUSTAINABILITY: Post-project support possible | subject to negotiation
- HOW: Use cases submission to open calls, project partnership

In-kind support on the national level
- WHAT: Access to EGI services, support or co-development
- ACCESS POLICY: Free at the point of use thanks to national funding
- REQUIREMENT: Alignment to national roadmaps and priorities
- SUSTAINABILITY: Depending on the national or institutional priorities
- HOW: Memorandum of Understanding with the EGI Foundation facilitating the matchmaking

Paid Access

Direct charge
- WHAT: Access to EGI services, support or co-development
- ACCESS POLICY: As defined in the contract
- REQUIREMENT: Mutual interest
- SUSTAINABILITY: As defined in the contract
- HOW: Direct contract

Long-term Partnership

EGI Federation membership
- WHAT: Access to EGI services for research & services for federation
- ACCESS POLICY: Services for federation as defined in the SLAs | Services for research are subject to negotiation
- REQUIREMENT: Research Infrastructures with a legal entity
- SUSTAINABILITY: Long-term support and collaboration
- HOW: By joining the EGI Federation as Participant or Associated Participant
- **MORE INFORMATION: https://go.egi.eu/join**

Your Journey with EGI

Contact us

See our call for use cases

Explain your needs and requirements

Submit your Application

Agree on the resources allocation, service configuration and implementation roadmap

Meet your dedicated technical expert

Agree on our collaboration framework

Get access to the EGI infrastructure

Start the co-design and piloting activities

Deploy your solutions

Let us support you with the uptake of your service

Get in touch

✉ support@egi.eu
🌐 www.egi.eu

in egi-foundation
▶ @EGI_eInfra
𝕏 @EGI_eInfra