Advanced Computing For Research

EGI is a federation of data centres delivering advanced computing services to scientists, multinational projects and research infrastructures.

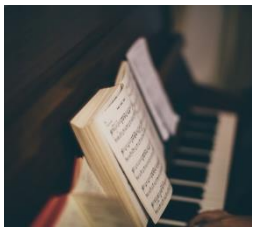
EGI in numbers

730,000 cores	6,600 cores	285 PB	280 PB
High-Throughput Compute	Cloud Compute	Online Storage	Archive Storage

The services are provided by the EGI Federated Cloud providers and the EGI data centres.

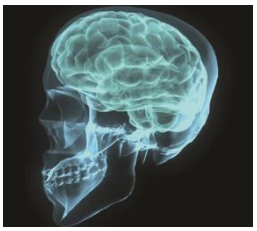
Examples of EGI use cases

Music analysis



Peachnote is a music score search engine. Peachnote uses EGI's **Cloud Compute** service to give their visitors access to music data.

Image data analysis



The Virtual Imaging Platform is a web portal for image data analysis. VIP can be used by researchers thanks to EGI's **HTC** and **Online Storage** services.

Earth observation

Terradue delivers a cloud platform for earth sciences. Their platform is being extended using EGI's **Cloud Compute** services.

Gamma-ray astronomy

The Cherenkov Telescope Array uses EGI's **Online Storage** and **HTC** services to run massive simulations in analysis pipelines.

EGI Service Catalogue

Compute

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

Storage and Data

Online Storage

Store, share and access your files and their metadata on a global scale

Archive Storage

Back-up your data for the long term and future use in a secure environment

Data Transfer

Transfer large sets of data from one place to another

Training

FitSM training

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

Training infrastructure

Dedicated computing and storage for training and education

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