



EGI Council Participant: FCT

Participating in EGI Impact Report

Portugal_

www.egi.eu

2025

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**EGI Contribution
to the Country
Excellence in
Science**

Infographic_

Portugal_

1,729

Service Users

In 2025, 1,721 researchers from Portuguese institutions used the services provided by the EGI Federation

551

Publications

The research communities, projects and scientific collaborations from Portugal supported by EGI led to 551 peer-reviewed scientific publications

22

Supported Communities

The infrastructure providers from Portugal federated in EGI supported 22 research communities in the following disciplines: Agriculture, Health and Medicine, Physics

12

Projects

Portuguese partners participated in 12 collaboration projects

21,1M+

Compute Delivery

In 2025, the infrastructure providers from Portugal federated in EGI delivered 15,232,004 HTC CPU Hours and 5,961,081 Cloud CPU Hours

Country Overview_

Number of supported publications

551

Number of total service users

1,729

Scientific Communities supported

22

Data Centres contributing to the Federation

2

Collaboration projects

12

Total HTC CPU hours

15,232,004

Total Cloud CPU hours

5,961,081

About EGI_

EGI is a federation of providers delivering advanced computing, data, and digital services for research and innovation, while driving collaborative development and impact across scientific communities.

The EGI Federation brings together national and international service providers to deliver the computing and data services that research teams rely on across Europe. Working as a coordinated federation, EGI enables research communities to access advanced capabilities in computing, data analytics, and artificial intelligence, while also supporting research and development that pushes the frontiers of digital innovation for science.

Through this collaborative model, EGI helps its members transform emerging technologies and approaches, such as big data, cloud computing, artificial intelligence, digital twins, and FAIR data, into reliable, environmentally and financially sustainable services for research and education. These services are designed to ensure continuity and stability beyond individual projects, enabling scientific communities

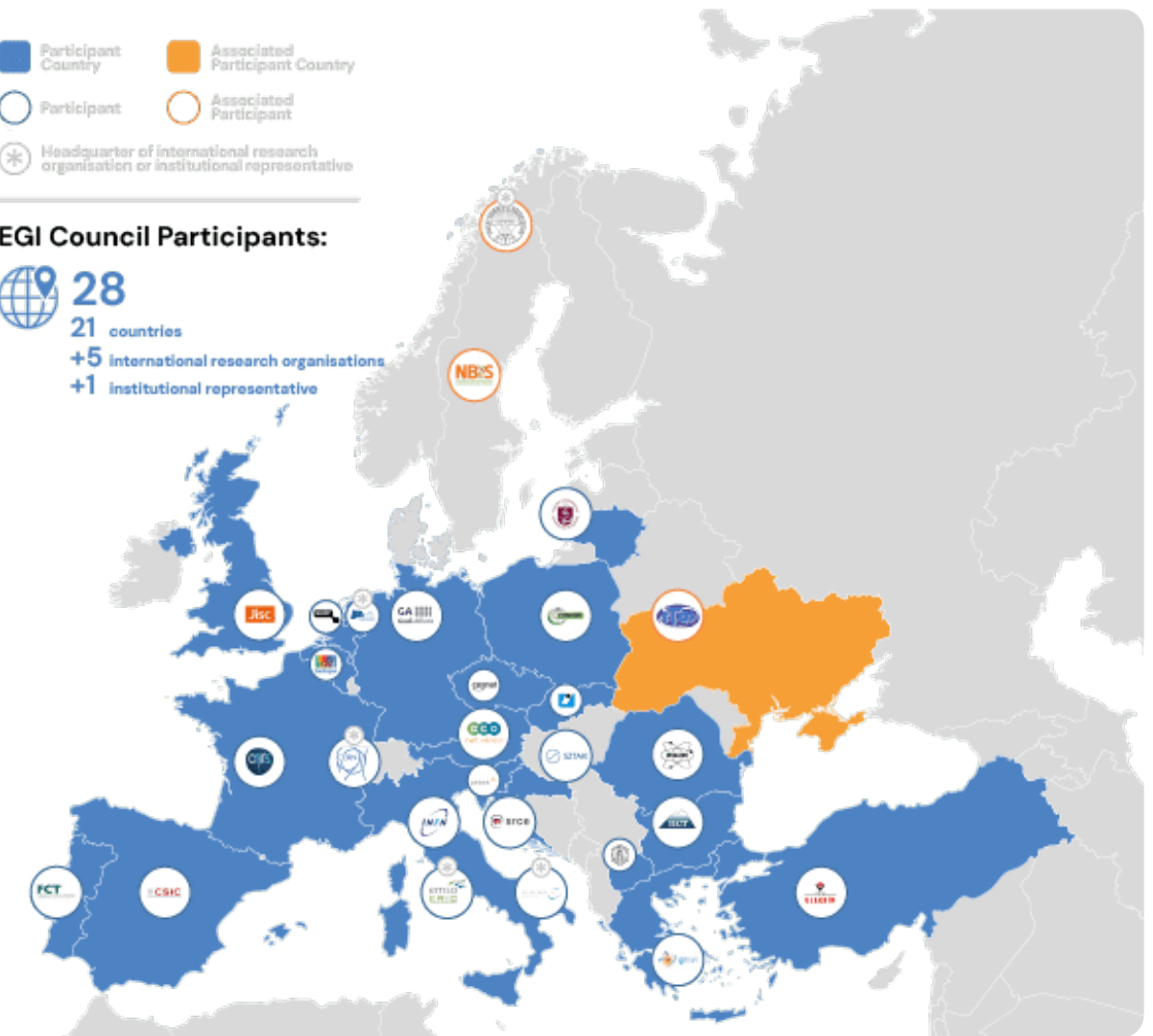
across disciplines, countries, and funding cycles to benefit from ongoing digital innovation. At the same time, the federated infrastructure and its associated R&D activities generate impact across all fields of science, from physics to the humanities, fostering new discoveries and novel research approaches.

Coordinated by the EGI Foundation, the Federation operates through a shared IT platform that connects hundreds of providers with research groups across Europe and beyond. By aligning and aggregating national capacities with European and global priorities, EGI ensures that researchers can seamlessly access digital resources and expert support. Together, EGI and its members establish a strong and lasting foundation for open, collaborative, and data-intensive science, strengthening Europe's capacity for research and innovation.



EGI Council Participants:

 **28**
21 countries
+5 international research organisations
+1 institutional representative



Council Participant FCT_

About FCT

Fundação para a Ciência e a Tecnologia is the Portuguese public funding agency that supports science, technology and innovation, in all scientific domains, under responsibility of the Ministry for Science, Technology and Higher Education.

Overall EGI Impact_

The EGI Federation is composed of e-infrastructure providers from national and community initiatives, forming one of the largest distributed computing infrastructures for researchers in the world, integrating about 1,243,400 CPU cores and over 1,4 Exabyte of storage space from hundreds of data centres.

In 2025, the EGI Federation served around 150,000 users (+29%). EGI users consumed 8 Billion HTC CPU hours (+8%), 43 Million Cloud CPU hours (-19%), ran over 351 Million computational jobs (-12%) and published over 2,300 open access publications.

As of the previous year, the research community with the largest number of users is Medical and Health Sciences, while the community with most extensive HTC CPU/h consumption is CMS.

From the scientific communities engaged in 2025, the one with most extensive Cloud CPU/h consumption is WeNMR.

Moreover, EGI engaged with 219 scientific communities, including SMEs and business pilots, and 41 Research Infrastructures

EGI Contribution to Excellence in Science in Portugal

FCT coordinates the Portuguese participation in the EGI Federation; FCT represents Portugal in the EGI Council. The Portuguese National Distributed Computing Infrastructure (INCD) is the e-infrastructure provider in EGI. INCD promotes the building and operation of a multidisciplinary national Distributed Computing Infrastructure open to all sciences in Portugal. This report provides an overview of the activities of Portugal in EGI, and the impact that was achieved thanks to this participation. The annual membership fee contributed by ES-NGI to the EGI Foundation in 2025 was 46,000 EUR.

EGI federates hundreds of resource centres that are located at participant countries, organizations and at collaborating e-Infrastructures worldwide. This federated infrastructure supports data- and compute-intensive research across Europe and the world. In 2025, our federation has been accessed by over 150,000 users.

Research Infrastructures and multi-national research collaborations are the largest adopters of EGI Services, the main contributors of thematic portals, and operate community-specific compute, storage and data systems based on EGI federation capabilities.

The services of the EGI federation have been used by 1,729 researchers from Portugal over the year. The estimated annual scientific output produced by research communities, projects and scientific collaborations from Portugal and supported by the EGI Federation in 2025 is estimated to amount to over 1,471 peer reviewed scientific publications. The EGI Federation is currently working with almost 50 Research Infrastructures, 22 of which include Portuguese partners. These EGI-enabled research infrastructures, their Portuguese members and their scientific output (publications) are detailed in the following pages of the report.

Portuguese Research Collaborations in EGI

AMS-02 (Particle Physics)

- LIP

EGI Supported Activities and Services

The AMS-02 experiment on the International Space Station has been using compute resources from EGI for more than a decade. The services from the EGI federation that AMS-02 uses include:

- EGI HTC services from sites in Italy and CERN
- **Software Distribution Services** (UMC, CMD, operations documentation)
- **Operations Coordination** (middleware deployment campaigns, procedures, innovation of tools)
- **Security Services and Activities** (CSIRT, Software vulnerability group, international security coordination, policies, IGTF distribution)

3 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Portuguese Research Collaborations in EGI

ATLAS (High Energy Physics)

- LIP
- Universidade de Lisboa
- Universidade de Coimbra
- Universidade do Minho
- Universidade Nova de Lisboa

EGI Supported Activities and Services

ATLAS has been supported since 2012 as part of the EGI - WLCG collaboration. Federated services delivered include:

- **Software support**
- **Infrastructure and Operations Services** (infrastructure catalogue,
- **Software Distribution Services** (UMC,

- CMD, operations documentation)
- **Operations Coordination** (middleware deployment campaigns, procedures, innovation of tools)
- **Security Services and Activities** (CSIRT, Software vulnerability group, international security coordination, policies, IGTF distribution)

74 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Portuguese Research Collaborations in EGI

AUGER (Astronomy)

- LIP
- Universidade de Lisboa

EGI Supported Activities and Services

The Pierre Auger Observatory has been using compute resources from EGI partners for more than a decade. The services of the EGI federation that the Auger observatory benefits from include:

- EGI HTC services from 9 EGI participant countries (CZ, DE, IT, FR, ES, NL, RO, PT, SI)
- Software distribution services (UMC, CMD, operations documentation)
- Operations coordination (middleware deployment campaigns, procedures, innovation of tools)
- Security services and activities (CSIRT, Software vulnerability group, international security coordination, policies, IGTF distribution)

12 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Portuguese Research Collaborations in EGI

BIOMED (Life Sciences)

- Life and Health Sciences Research Institute Polytechnic Institute of Cávado and Ave
- LIP
- University of Lisbon
- IBEB-FCUL
- University of Minho
- INESC TEC

EGI Supported Activities and Services

The Life Science Grid Community has been supported by EGI for more than one decade, with a Service Level Agreement in place since 2016. The EGI Services used by the community include:

- High-Throughput + Online Storage services
- EGI Cloud services

- EGI Workload Manager During the Horizon 2020 Project EGI-ACE (2021-2024), the BIOMED community was one of the Data Space providers supported.

1 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Portuguese Research Collaborations in EGI CLARIN (Linguistics) • PORTULAN CLARIN • Universidade de Lisboa • Universidade de Évora • Universidade de Coimbra • Universidade do Minho • Universidade Católica Portuguesa • Universidade do Porto • Universidade Nova de Lisboa	• Universidade dos Açores • Instituto Politécnico de Tomar	EGI Supported Activities and Services CLARIN thematic services has been supported by EGI since 2018. CLARIN has a Service Level Agreement with EGI, using the following services: • EGI Cloud (Compute + Online Storage) for hosting the Virtual Language Observatory	(VLO) • Technical support • Service integration	0 SCIENTIFIC PAPER(S) PUBLISHED IN 2025
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Portuguese Research Collaborations in EGI CMS (High Energy Physics) • LIP	EGI Supported Activities and Services CMS has been supported since 2012 as part of the EGI - WLCG collaboration. EGI Federated services delivered include: • Software support (consultancy to users and system administrators, (software maintenance and validation) • Infrastructure and	operations Services (infrastructure catalogue, accounting repository and portal, helpdesk, monitoring, operations portal, AAI) • Software distribution services (UMC, CMD, operations documentation) • Operations coordination (middleware deployment campaigns, procedures, innovation of tools)	• Security services and activities (CSIRT, Software vulnerability group, international security coordination, policies, IGTF distribution)	135 SCIENTIFIC PAPER(S) PUBLISHED IN 2025
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Portuguese Research Collaborations in EGI COMPASS (Physical Sciences) • LIP • Universidade de Aveiro	EGI Supported Activities and Services COMPASS has been supported since 2017 as part of the EGI - WLCG collaboration, formally agreed in an MoU. Federated services delivered in the context of the WLCG MoU, including: > Software support (consultancy to users and system administrators,	(software maintenance and validation) > Infrastructure and operations Services (infrastructure catalogue, accounting repository and portal, helpdesk, monitoring, operations portal, AAI) > Software distribution services (UMC, CMD, operations documentation) > Operations coordination (middleware deployment	campaigns, procedures, innovation of tools) > Security services and activities (CSIRT, Software vulnerability group, international security coordination, policies, IGTF distribution)	3 SCIENTIFIC PAPER(S) PUBLISHED IN 2025
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Portuguese Research Collaborations in EGI DUNE (Astroparticle Physics) • LIP	EGI Supported Activities and Services The DUNE experiment has been using compute resources from EGI partners for more than a decade. The services from the EGI federation that DUNE uses include: • EGI HTC services from 6 EGI participant countries (CH, CZ, ES, FR, NL, UK)	• Software distribution services (UMC, CMD, operations documentation) • Operations coordination (middleware deployment campaigns, procedures, innovation of tools) • Security services and activities (CSIRT, Software	vulnerability group, international security coordination, policies, IGTF distribution)	41 SCIENTIFIC PAPER(S) PUBLISHED IN 2025
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Portuguese Research Collaborations in EGI ELI-BEAM (Physical Sciences) • IST	EGI Supported Activities And Services ELI works with EGI since 2016 on exploring and validating approaches for off-site computing and data management. ELI-Beams setup a High Throughput Compute Service on EGI resources and works with EGI providers on • Refining the user requirements and translating these to e-infrastructure requirements, and • Identifying and validating services from EGI that can be relevant for ELI (besides HTC and compute). • Mobilising already existing HTC compute, cloud	compute and storage resources from EGI for ELI piloting and demonstration activities.	35 SCIENTIFIC PAPER(S) PUBLISHED IN 2025
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Portuguese Research Collaborations in EGI ELI-NP (Nuclear Physics) • Champalimaud Foundation • Instituto Superior Tecnico	EGI Supported Activities And Services ELI works with EGI since 2016 on exploring and validating approaches for off-site computing and data management. ELI-NP setup a High Throughput Compute Service on EGI resources and works with EGI providers on • Refining the user requirements and translating these to e-infrastructure requirements, and • Identifying and validating services from EGI that can be relevant for ELI (besides HTC and compute). • Mobilising already existing HTC compute, cloud	compute and storage resources from EGI for ELI piloting and demonstration activities.	90 SCIENTIFIC PAPER(S) PUBLISHED IN 2025
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Portuguese Research Collaborations in EGI EMSO (Oceanography) • FCT	EGI Supported Activities And Services The collaboration with EGI started back in 2017 when 4 cloud providers of the EGI Federation agreed to support the EMSODEV project during the design and implementation of the EMSODEV Data Portal. EMSO-ERIC set up the EMSO ERIC Data	Management Platform on the EGI providers in order to harmonise the data sets following Oceansites specifications, FAIR principles, and EOSC guidelines.	0 SCIENTIFIC PAPER(S) PUBLISHED IN 2025
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Portuguese Research Collaborations in EGI EMPHASIS (Agricultural Sciences) • Universidade de Lisboa • CIBIO • FCT-NOVA • INIAV-BPGV (National seed bank)	EGI Supported Activities And Services EMPHASIS has been supported through the establishment of a Data Space in the EGI-ACE project. Since 2017 EMPHASIS using the following services from EGI: • EGI Check-in	• EGI Cloud Compute • EGI Online Storage • EGI DataHub • Technical support • Software integration and piloting)	0 SCIENTIFIC PAPER(S) PUBLISHED IN 2025
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Portuguese Research Collaborations in EGI

ILC (High Energy Physics)

- LIP

EGI Supported Activities And Services

The ILC experiment has been using compute resources from EGI partners since 2004. The services from the EGI federation that ILC experiments uses include

- EGI HTC services from 27 EGI federated sites from

- IL, DE, FR, ES, NL, PL, UK
- Software distribution services (UMC, CMD, operations documentation)
- Operations coordination (middleware deployment campaigns, procedures, innovation of tools)
- Security services and activities (CSIRT, Software vulnerability group,

international security coordination, policies, IGTF distribution)

50 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Portuguese Research Collaborations in EGI

INSTRUCT (Structural Biology)

- FCT

EGI Supported Activities And Services

Instruct-ERIC is a pan-European distributed research infrastructure making high-end technologies and methods in structural biology available to users. The collaboration with EGI ensures the reliable

hosting and operation of the ARIA and CRIMS production services on the EGI Infrastructure, providing a robust, secure, and scalable environment tailored to support researchers in the Health and Food domains.

50 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Portuguese Research Collaborations in EGI

LifeWatch (Biodiversity and Ecosystem Research)

- Research Centre in Biodiversity and Genetic Resources
- BIOPOLIS/CIBIO-InBIO
- University of Lisbon
- University of Aveiro
- University of Coimbra
- Polytechnic Institute of Viana do Castelo

- University of Porto

EGI Supported Activities And Services

The LifeWatch experiment has been using compute resources from EGI partners since 2018. The services from the EGI federation that LifeWatch uses include:

- EGI Cloud services

- from 2 EGI federated sites from ES and PT
- Software distribution services (UMC, CMD, operations documentation)
- Operations coordination (middleware deployment campaigns, procedures, innovation of tools)
- Security services

and activities (CSIRT, Software vulnerability group, international security coordination, policies, IGTF distribution)

0 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Portuguese Research Collaborations in EGI

LZ (Physical Sciences)

- LIP

EGI Supported Activities and Services

The LZ survey federates High Throughput Compute (HTC) resources from UK. The LZ compute federation

benefited from the following EGI services:

- Software support (consultancy to users and system administrators, (software maintenance and validation)
- Infrastructure and operations Services (infrastructure catalogue, accounting

- repository and portal, helpdesk, monitoring, operations portal, AAI)
- Software distribution services (UMC, CMD, operations documentation)
- Operations coordination (middleware deployment campaigns, procedures,

innovation of tools)

- Security services and activities (CSIRT, Software vulnerability group, international security coordination, policies, IGTF distribution)

6 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Portuguese Research Collaborations in EGI

OPENCoastS (Ocean Engineering)

- LNEC
- LIP

EGI Supported Activities and Services

OPENCoastS has been using compute resources from EGI partners since 2018. The services from the EGI federation that OPENCoastS uses include:

- EGI Cloud services from 2 EGI federated sites from ES and PT
- EGI AAI Check-in

0 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Portuguese Research Collaborations in EGI

SeaDataNet (Oceanography)

- IHPT Instituto Hidrografico

EGI Supported Activities And Services

Since 2021, the SeaDataNet community is represented in the EGI Council by MARIS. The SeaDataNet community is consuming cloud compute resources through EGI from the INFN-Bari

site (Italy) since early 2022.

The cloud compute delivery is secured with an EGI Service Level Agreement for SeaDataNet since November 2023

0 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Portuguese Research Collaborations in EGI

SKA (Radioastronomy)

- Portugal Space

EGI Supported Activities And Services

The Square Kilometre Array (SKA) is an intergovernmental radio telescope project being planned to be built in Australia and South Africa. 7 countries in SKA are also represented in the EGI Council (FR, DE, IT, PT, ES, NL and UK).

71 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Portuguese Research Collaborations in EGI

VIRGO (Astrophysics)

- CENTRA
- Universidade de Lisboa
- Universidade do Minho
- Universidade de Aveiro

EGI Supported Activities And Services

The Virgo experiment has been using compute resources from EGI partners for more than a decade. The services from the EGI federation that VIRGO uses include:

- EGI HTC services from data centres in FR, IT, NL, ES and UK
- Software distribution

services (UMC, CMD, operations documentation)

- Operations coordination (middleware deployment campaigns, procedures, innovation of tools)
- Security services and activities (CSIRT, Software vulnerability group, international

security coordination, policies, IGTF distribution)

23 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Portuguese Research Collaborations in EGI

WeNMR (Structural Biology)

- FCUL
- CNC.IBILI
- I3S
- University of Porto
- Universidade de Lisboa
- FCT
- Universidade Nova de Lisboa

- Universidade de Coimbra

EGI Supported Activities and Services

ThWeNMR is supported by EGI since 2011 and has a Service Level Agreement since 2016. The EGI Services used by the community include:

- High-Throughput,

Cloud + Online Storage services from 23 EGI federated sites from NL, IT, FR, DE, PL, UK, the Asia Pacific region, IberGrid (Spain and Portugal), the Latin America region.

- EGI Workload Manager
- Trust and identity management with Check-in

10 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Portuguese Research Collaborations in EGI

XENON (Dark Matter Physics)

- Universidade de Coimbra

EGI Supported Activities and Services

The XENON experiment has been using compute resources from EGI partners for more than a decade. The services from the EGI federation that XENON uses include:

- EGI HTC services from 4 EGI federated sites from FR, IT, NL and IL.
- Software distribution

services (UMC, CMD, operations documentation)

- Operations coordination (middleware deployment campaigns, procedures, innovation of tools)
- Security services and activities (CSIRT, Software vulnerability group, international

security coordination, policies, IGTF distribution)

5 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Service Level Agreements

During 2025, NCG-INGRID-PT supported 3 Service Level Agreements for international scientific communities via EGI, delivering Cloud Computing and Online Storage services.

Participated Projects

In the reference period, the EGI Foundation was leading seven Horizon Europe Projects, two of which started in 2025:

- iMagine (September 2022–December 2025)
- interTwin (September 2022–August 2025)
- ENVRI-Hub NEXT (February 2024–January 2027)
- EOSC Beyond (April 2024–March 2027)
- EOSC Data Commons (April 2025–March 2028)
- RI-SCALE (March 2025–February 2028)

- SPECTRUM (January 2024–June 2026)

Furthermore, the EGI Federation was involved in 6 additional projects, increasing the innovation potential of its participants.

The EGI Federation participates in Horizon 2020 and Horizon Europe projects together with Dutch institutions to facilitate the uptake and use of e-infrastructure services for science. A summary of these projects, the involved institutes and the scope of the collaboration is provided in the next table.



Project Title



Scope of Collaboration

EGI contributes research and development expertise to the architectural design and implementation of open, distributed software infrastructure for AI4Europe. This ensures the platform evolves as a scalable,

interoperable ecosystem. EGI also applies its deep knowledge of physical resources, usability, distributed systems, and emerging technologies to develop deployment mechanisms for AI tools across private and public cloud and HPC resources.

Participating beneficiaries from the country

- GLOBAZ, S.A.

Project Title



Scope of Collaboration

EGI leads the research on Blue-Cloud VRE interaction with EOSC projects (WP5) and contributes technical expertise across multiple tasks. This includes developing and deploying sub-setting services at BDIs and BlueCloud Data Lakes (T2.3), tuning

data lakes with DTO developments (T2.4), evolving common VRE services (T5.1), federating multiple e-infrastructures (T5.2), ensuring EOSC core service interoperability (T5.4), and supporting communication, community dialogue, and exploitation planning (T6.1, T7.1, T7.2)..

Participating beneficiaries from the country

- Instituto Hidrografico

Project Title



Scope of Collaboration

EGI coordinates the research and implementation of federated Single Sign-On access through its EGI Check-in service, enhancing secure and interoperable authentication across the project ecosystem.

Participating beneficiaries from the country

- Universidade de Coimbra

Project Title



Scope of Collaboration

EGI contributes to developing a detailed technical roadmap, conducting state-of-the-art analysis, and designing a modular architecture framework for data monetization. It supports the definition of KPIs for fair dataset

valuation, business cases for data sharing platforms, and pilots for framework deployment. EGI also advances non-monetary data value dimensions, validation testing, standardization activities, and coordination with the Data Spaces Support Centre.

Participating beneficiaries from the country

- GLOBAZ, S.A.
- E-REDESL

Project Title 	Scope of Collaboration EGI supports the research and integration of datasets, tools, and workflows from diverse sources into ECHOES's technical framework. It provides scalable, secure storage and compute infrastructure, alongside a federated authentication and authorisation	infrastructure (AAI) for seamless cloud access. EGI also contributes expertise to the project's long-term sustainability and open innovation strategies through private sector engagement.	Participating beneficiaries from the country • ICOM Portugal
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Project Title 	Scope of Collaboration EGI is contributing to the architectural design and implementation of open distributed software to ensure that AI4Europe evolves as a distributed ecosystem. EGI is also providing its expertise on physical resources, usability, development of systems, distributed systems and new	technologies to develop mechanisms for the AI tools to deploy/make use of private/public Cloud and HPC resources.	Participating beneficiaries from the country • Centro Hospitalar Universitário de Santo António • Champalimaud Foundation • Servicos Partilhados do Ministerio da Saude
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Project Title 	Scope of Collaboration EGI leads communication, dissemination, engagement, and exploitation efforts (WP1), including stakeholder mapping and service catalogue promotion. It develops climate risk training modules and provides access to training/computing infrastructure (WP3),	while contributing to FAIR frameworks, AAI analysis, and access policy alignment for integrated knowledge services (WP6)	Participating beneficiaries from the country • FCIências.ID • University of Trás-os-Montes and Alto Douro
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Project Title 	Scope of Collaboration EGI supports research into sampling, analysis, quantification techniques, new materials, and models to evaluate plastics' environmental interactions, enabling mitigation measures and informed management decisions..		Participating beneficiaries from the country • Laboratorio Iberico Internacional De Nanotecnologia INL • Associacao Para o Desenvolvimento do
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Project Title 	Scope of Collaboration EGI co-designs and deploys AI models on edge resources, providing computational and storage capacity through its federation. It develops a two-tier e-infrastructure for validation and data processing, coordinates national funding for	sustainability, addresses data management challenges, and integrates with EOSC.	Participating beneficiaries from the country • Universidade Nova de Lisboa • Universidade do Porto
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Project Title 	Scope of Collaboration EEGI leads WP6 on Services Provision, researching unified access policies and a single access point for distributed RI resources. It contributes to financial modelling and business cases (WP3), impact strategies (WP4),	dissemination (WP5), and the Italian central Hub (WP8).	Participating beneficiaries from the country • Universitat Rovira I Virgili • Barcelona Supercomputing Center • Universidad Pompeu Fabra
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Project Title 	Scope of Collaboration EGI contributes research to gap analysis, user requirements, system specifications, security frameworks, and self-sovereign identity management. It coordinates policy recommendations on distributed infrastructures, secure data exchange, and Data Spaces, while supporting dissemination activities.		Participating beneficiaries from the country • SQUAD IT LDA • RIA STONE
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Project Title 	Scope of Collaboration EGI advances stakeholder engagement and alignment while leading IT security management and software vulnerability assessment for the UNCAN.eu platform's federated infrastructure. It contributes to infrastructure federation, decentralised health research environments,	and impact assessment guidelines.	Participating beneficiaries from the country • Instituto Pedro Nunes (IPN) • Universidade de Coimbra • Holos • Unidade Local de Saude de Coimbra EPE
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Infrastructure Contributions_

The EGI Federation offers two complementary compute capabilities: the High-Throughput Compute (HTC) federation and the Cloud federation. 2 Portuguese data centres contribute to these federations:

HTC Federation:

- NCG-INGRID-PT (INCD – National Distributed Computing Infrastructure)

Cloud Federation:

- NCG-INGRID-PT (INCD – National Distributed Computing Infrastructure)

The data centres provided 2 service endpoints and delivered 15,232,004 HTC CPUhours and 5,961,081Cloud CPUhours in total to EGI communities over the year. With the help of the EGI Security Vulnerability Group, the Portuguese sites avoided 49 critical vulnerabilities in foundational software systems during the year.

The most active international user groups of the country compute resources were:

- CMS: 55.48%
- ATLAS: 44.24%.

Methodology_

Data for this impact report has been collected from the following sources.

Users

EGI uses the following methodology to capture the number of EGI users who rely on EGI services

- EGI serves users in the form of ‘communities’, called ‘Virtual Organisations’ (VO in short). A VO’s members can range from one to tens of thousands. Members of a VO benefit from and use EGI services in different ways (e.g., by using Services for Federation or Services for Research).
- EGI establishes knowledge about its VOs as part of the user community support lifecycle; therefore, baseline information about VOs is collected through the Customer Relationship Management process (CRM).

At the end of 2025, there were 196 VOs in EGI. EGI Virtual Organisations (VOs) can rely on different technical and non-technical mechanisms to manage

their own members. Depending on their choice, the EGI Federation coordinator (EGI Foundation) has to follow different, corresponding approaches to know the number of members in a given VO, and to obtain additional information about these members (e.g. their ‘country’). The EGI Foundation uses the following mechanisms to obtain information about the VO users:

- Obtain user number statistics from the EGI Operations Portal for VOs, where the members register personally in a ‘VO membership management’ system that is either operated by EGI or can be accessed by EGI.
- Obtain user number statistics from Community VRE REST APIs for VOs that operate Virtual Research Environments (VREs) on top of EGI resources. Those VREs implement a specific API to report users (e.g., WeNMR, Virtual Imaging Platform (VIP), NBIS).
- Obtain user number statistics from interviews with VO coordinators for VOs coordinated by one person.

Publications

Publications are collected from each community’s public repository, if existing. Additional details are checked with the VO coordinators during the interviews to complement this information. EGI also consults OpenAIRE services to countercheck the data. You can check the list of repositories for each VO here (requires login): <https://operations-portal.egi.eu/vo/#collapseVoListOther>.

Institutional members supporting research communities

EGI relies on the information on each community’s website to list institutions supporting research communities at the national level. Additionally, EGI appreciates the feedback from its national representatives to refine and improve those lists.



EGI Membership Impact Report

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EGI Foundation



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