



EGI Council Participant: BELSPO

Participating in EGI Impact Report

Belgium_

www.egi.eu

2025

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**EGI Contribution
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Infographic_

Belgium_

1,670

Service Users

In 2025, 1,678 researchers from Belgian institutions used the services provided by the EGI Federation

478

Publications

The research communities, projects and scientific collaborations from Belgium supported by the EGI led to 478 peer-reviewed scientific publications

16

Supported Communities

The infrastructure providers from Belgium federated in EGI supported 16 research communities in the following disciplines: Environmental Sciences, Health and Medicine, Physics

24

Projects

Belgian partners participate in 24 collaboration projects.

93,2M+

Compute Delivery

In 2025, the infrastructure providers from Belgium federated in EGI delivered 93,217,916 HTC CPU Hours

Country Overview_

Number of supported publications

478

Number of total service users

1,670

Scientific Communities supported

16

Data Centres contributing to the Federation

2

Collaboration projects

24

Total HTC CPU hours delivered

93,217,916

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

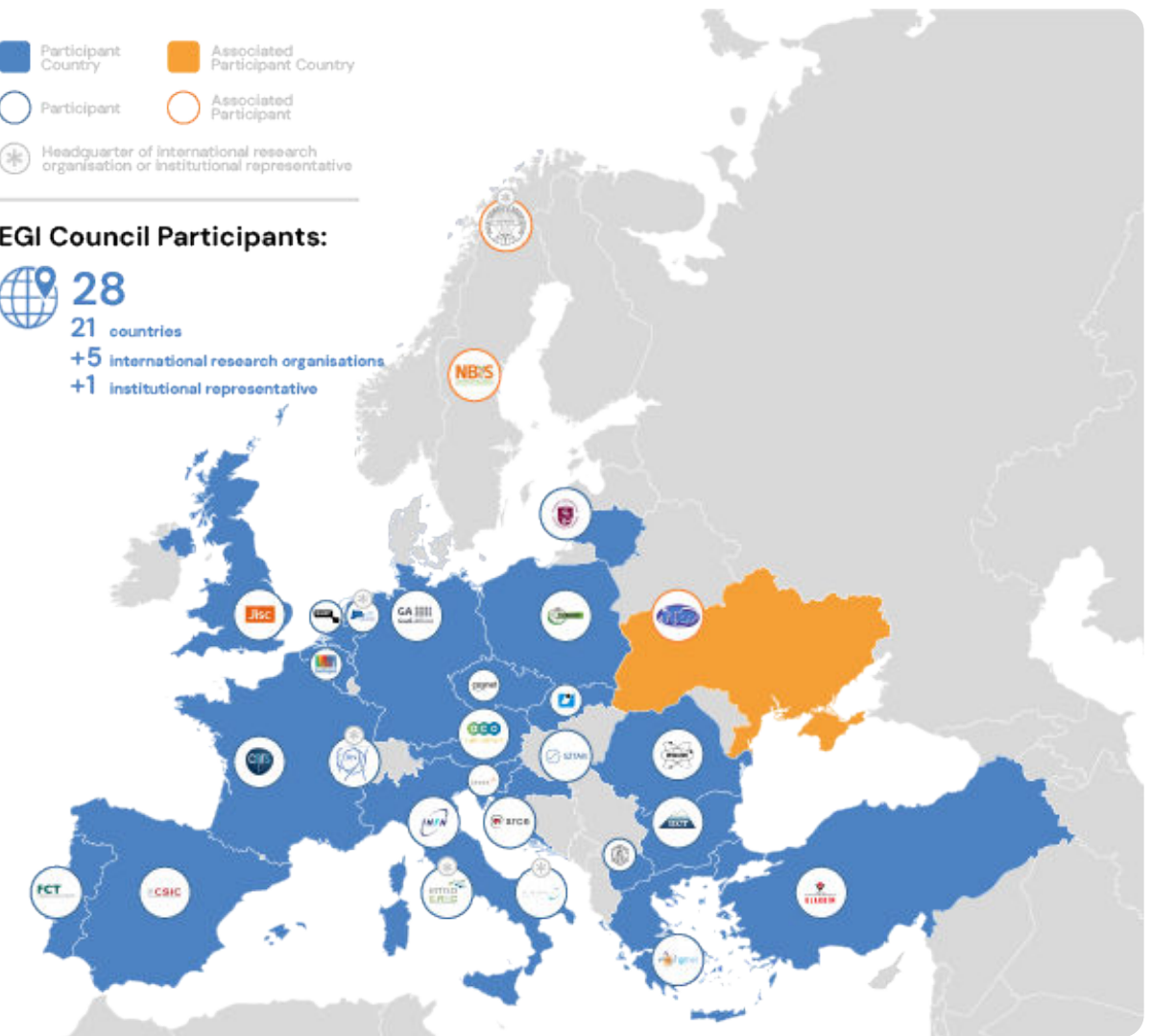
across disciplines, countries, and funding cycles to benefit from ongoing digital innovation. At the same time, the federated infrastructure and its associated R&D activities generate impact across all fields of science, from physics to the humanities, fostering new discoveries and novel research approaches.

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 BELSPO_

About BELSPO

The Federal Science Policy coordinates the Belgian participation to European research programmes with the Communities and Regions. It undertakes also a number of initiatives to inform the researchers on the presented opportunities.

Through major research programmes, BELSPO offers the government reliable, validated data, allowing it to take decisions with full knowledge of the facts in areas such as sustainable development, the fight against climate change, biodiversity, energy, health, mobility and the information society.

The Federal Science Policy also co-ordinates the research effort lead by all the country's authorities and is responsible for introducing our researchers into international research networks. In this sense, it lies at the heart of the Belgian research space and represents a major centre in the European Research Area.

The Federal Science Policy alone represents almost 30% of the entire Belgian public budget in terms of research.

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 Belgium

BELSPO coordinates the Belgian participation to the EGI Federation; BELSPO is represented by BELNET in the EGI Council. BELSPO promotes the building and operation of a multidisciplinary national Distributed Computing Infrastructure open to all sciences and to developing countries in Belgium. This report provides an overview of the activities of BELSPO in EGI, and the impact that was achieved thanks to this participation. The annual membership fee contributed by BELSPO to the EGI Foundation in 2025 was 63,250 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 1,670 researchers from Belgium over the year. The estimated annual scientific output produced by research communities, projects and scientific collaborations from Belgium and supported by the EGI Federation in 2025 is estimated to amount to over 478 peer reviewed scientific publications. The EGI Federation is currently working with almost 50 Research Infrastructures, 16 of which include Belgian partners. These EGI-enabled research infrastructures, their Belgian members and their scientific output (publications) are detailed in the following pages of the report.

Belgian Research Collaborations in EGI

AUGER (Astronomy)

- Université Libre de Bruxelles (ULB)
- Vrije Universiteit Brussels (VUB)

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

Belgian Research Collaborations in EGI

CLARIN (Linguistics)

- CLARIN BE
- Instituut voor de Nederlandse Taal (INT)

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

Belgian Research Collaborations in EGI

CMS (High Energy Physics)

- Ghent University
- Université de Mons
- Université Catholique de Louvain
- Université Libre de Bruxelles
- Universiteit Antwerpen

EGI Supported Activities and Services

CMS has been supported since 2012 as part of the EGI - WLCG collaboration, formally agreed in an MoU.

- Federated services delivered in the context of the WLCG MoU 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

Belgian Research Collaborations in EGI

EISCAT_3D (Incoherent Scatter Radar)

- National Instruments Belgium Nv

EGI Supported Activities and Services

Since 2021, the EISCAT Association is a member of the EGI Council.

Since 2018 the EISCAT_3D experiment is using the following EGI services:

- EGI Workload Manager
- EGI High Throughput Compute

- Technical support
- Software integration and piloting

50 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Belgian Research Collaborations in EGI IceCube (Neutrino Observatory) • UC Louvain • Université libre de Bruxelles • Universiteit Gent • Vrije Universiteit Brussel	EGI Supported Activities And Services The IceCube experiment has been using compute resources from EGI partners for more than a decade. The services from the EGI federation that IceCube uses include: • EGI HTC services from 8 sites of 3 EGI participant countries (BE, DE 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) EGI is currently expanding its resource pledge to IceCube with an increase of GPU capacity.
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25 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Belgian Research Collaborations in EGI HESS (Astroparticle Physics) • University of Amsterdam	EGI Supported Activities And Services The HESS experiment has been using compute resources from EGI partners for more than a decade. The services from the EGI federation that HESS uses include: • EGI HTC services from 3	• EGI participant countries (DE, FR, PL) • 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)
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212 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Belgian Research Collaborations in EGI ILC (High Energy Physics) • Vrije Universiteit Brusse • Université Libre de Bruxelles • University of Ghent • Université catholique de Louvain • Particle Physics and Phenomenology (CP3)	• Institute of Mathematics and Physics, Louvain-la-Neuve 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)
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50 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Belgian Research Collaborations in EGI INSTRUCT (Structural Biology) • Instruct Centre BE • BELSPO • Nanobodies4Instruct • Robotein for Instruct • Vrije Universiteit Brussel	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.	
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50 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Belgian Research Collaborations in EGI JUNO (Neutrino Observatory) • Université Libre de Bruxelles	EGI Supported Activities and Services The JUNO experiment has been using compute resources from EGI partners for more than a decade. The services from the EGI federation that JUNO uses include: EGI HTC services from 3 EGI federated sites from FR, IT and China.	• 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)
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66 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Belgian Research Collaborations in EGI LifeWatch (Biodiversity and Ecosystem Research) • VLIZ • INBO • Université catholique de Louvain • Université de Liège/Gembloux-ABT • Royal Belgian Institute of Natural Sciences (RBINS)	• Royal Museum for Central Africa (RMCA) • BELSPO 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)
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0 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Belgian Research Collaborations in EGI LOFAR (Radioastronomy) • Vrije Universiteit Brussel	EGI Supported Activities and Services LOFAR has been supported by EGI partners in the EOSC-hub project in the setup and validation of a data access and transformation workflow on High Throughput Compute (HTC) resources.	105 SCIENTIFIC PAPER(S) PUBLISHED IN 2025
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Belgian Research Collaborations in EGI NA62 (High Energy Physics) • NIKHEF • Vrije Universiteit Amsterdam	EGI Supported Activities and Services The NA62 experiment has been using compute resources from EGI partners since 2012. The services from the EGI federation that NA62 uses include: • EGI HTC services from sites in the UK, IT, BE 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)
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2 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Belgian Research Collaborations in EGI

SeaDataNet (Oceanography)

- Royal Belgian Institute of Natural Sciences
- VLIZ
- University of Liège, GeoHydrodynamics and Environment Research (ULg-GHER)

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

Belgian Research Collaborations in EGI

Solid Experiment (High Energy Physics)

- Universiteit Antwerpen
- Vrije Universiteit Brussel
- Universiteit Ghent
- SCK-CEN

EGI Supported Activities And Services

The collaboration with EGI started back in 2017. The services from the EGI federation that the experiment uses include:

- EGI HTC services from 2 EGI federated sites from BE 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)

0 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Belgian Research Collaborations in EGI

VIRGO (Astrophysics)

- Katholieke Universiteit Leuven
- Université catholique de Louvain
- Université de Liège
- Université libre de Bruxelles
- Universiteit Antwerpen
- Universiteit Gent
- Vrije Universiteit Brussel

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

Belgian Research Collaborations in EGI

WeNMR (Structural Biology)

- KU Leuven
- Vrije Universiteit Brussel

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



Participated Projects

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

- iImagine (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.



interTwin



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

- EIT DIGITAL
- EUROPEAN DIGITAL SME ALLIANCE

Project Title



Scope of Collaboration

EGI advances the deployment and growth of common European data spaces by developing interoperable data sharing environments that enable secure reuse across sectors while upholding EU values and principles..

Participating beneficiaries from the country

- DAIRO
- CAPGEMINI
- GAIA-X
- KU Leuven
- DigitalEurope
- aNewGovernance
- Open & Agile Smart Cities

Project Title



Scope of Collaboration

EGI provides advanced cloud computing, notebooks, applications-on-demand, file transfer, and data archiving services to support ANERIS's research infrastructure. It contributes technical

expertise to EOSC integration processes and the development of a sustainable business model. EGI leads key technical tasks including the computing continuum infrastructure (T5.1), overall integration and EOSC synergies (T5.5), and innovation

management (T6.3), while supporting virtual research environments for genomics analysis, imaging-biooptics, and participatory sciences.

Participating beneficiaries from the country

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

- Koninklijk Instituut voor het Kunstpatrimonium
- ARIADNE RI
- European Confederation of Conservator-Restorers' Organisation
- ENCACT
- MICHAEL Culture

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

- SEASCAPE BELGIUM
- VLIZ
- UNIVERSITE DE LIEGE
- EuroGOOS

Project Title



Scope of Collaboration

EGI supports the EOSC Partnership's mission to establish Open Science as the "new normal" by contributing technical expertise and research coordination aligned with the EU-EOSC Association Memorandum of Understanding objectives.

Participating beneficiaries from the country

- EOSC-A
- BELNET

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

- OPERAS

Project Title



Scope of Collaboration

EGI contributes multi-faceted research expertise across key work packages, including governance, funding models, and cost structures for EOSC sustainability (WP1). It plays a leading role in inter-project collaboration (WP4/

WP5), coordinating grants, technical alignment, and joint communications among Horizon Europe INFRAEOSC projects. EGI also supports effective project execution and coordination (WP9)..

Participating beneficiaries from the country

- EOSC-A

Project Title	Scope of Collaboration		Participating beneficiaries from the country
	EEGI contributes to expanding EOSC EU Node adoption through diverse use cases, cascading grants with EOSC Gravity, and roadmap improvements (T2.1). It supports the technical evolution and validation of the EOSC	Federation's architecture and AAI, delivering prioritised requirements and technical guidelines (T3.4). Minor contributions include synergies with Data Spaces (T4.3) and technical project management (T5.1).	• EOSC-A

Project Title	Scope of Collaboration		Participating beneficiaries from the country
	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.	• COCIR • KU Leuven • Radiomics • Sciensano

Project Title	Scope of Collaboration		Participating beneficiaries from the country
	EGI collaborates on defining technical requirements, developing authentication and authorisation infrastructure, and supporting project services onboarding to the EOSC Marketplace.		• IMEC

Project Title	Scope of Collaboration		Participating beneficiaries from the country
	EGI provides cloud compute and AAI services to enable execution of extended reality (XR) tools, while supporting project communications and stakeholder engagement.		• memoo • IMEC

Project Title	Scope of Collaboration		Participating beneficiaries from the country
	EGI contributes to developing an innovative, workflow-based Gateway connecting European scientists to computing and storage infrastructures, advancing operational FAIR data services within EOSC.		• VIB VZW

Project Title	Scope of Collaboration		Participating beneficiaries from the country
	EGI contributes research expertise to defining requirements, metrics, specifications, and validation pilots for assessing thematic services and platforms.		• OPERAS

Project Title	Scope of Collaboration		Participating beneficiaries from the country
	EGI conducts environmental impact assessments across the EGI Federation and partner ESFRIs, identifying sustainability best practices. It develops environmental metrics publication systems, energy-aware workflow	brokering for HTC/cloud/AI services, and self-assessment questionnaires for Research Infrastructures. EGI also provides training, consultancy, and communications support.	• eBRAINS

Project Title	Scope of Collaboration		Participating beneficiaries from the country
	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)	• Institut des Sciences naturelles • University of Liege • Eigen Vermogen INBO • University of Antwerp • University of Hasselts

Project Title



Scope of Collaboration

EGL 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

- Katholieke Universiteit Leuven

Project Title



Scope of Collaboration

EGL contributes to developing a data-driven risk prediction model for cognitive decline using big data analysis from cross-sectional and longitudinal datasets across four European clinical centres.

Participating beneficiaries from the country

- Lisbon Council

Project Title



Scope of Collaboration

EGL 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

- Universite Catholique de Louvain
- Centre Wallon de Recherches Agronomiques
- Soil Capital Belgium

Project Title



Scope of Collaboration

EGL supports defining interoperability standards with EOSC and the broader landscape, while leading the design of sustainable services beyond the project lifetime. It delivers a federated cloud environment and EGL

Notebooks for scalable workflow development, data analysis, and sharing within the PITHIA e-science centre.

Participating beneficiaries from the country

- IASB
- Katholieke Universiteit Leuven
- Koninklijke Sterrenwacht van België
- IRM

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

- Re-Imagine Europa

Project Title



Scope of Collaboration

EGL leads WP4 on Feasibility Assessment and Roadmap, developing realistic infrastructure upgrade scenarios and cooperation mechanisms documented in the AI in Science Roadmap. As WP8/WP9 lead, it drives communication, dissemination, engagement, the annual AIS Summit, RAISE Secretariat setup, and stakeholder management.

Participating beneficiaries from the country

- BDVA

Project Title



Scope of Collaboration

EGL 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

- DBC EUROPE
- SQUAREDEV
- KU Leuven
- Lisbon Council
- FLANDERS MAKE

Project Title



Scope of Collaboration

EGL 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

- Scienesano

Infrastructure Contributions_

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

HTC Federation:

- BEgrid-BELNET
- BEgrid-ULB-VUB (Universite Libre de Bruxelles – Vrije Universiteit Brussel)
- BelGrid-UCL (Universite Catholique de Louvain, Louvain-la-Neuve)
- VITO (Flemish Institute for Technological Research)

The data centres provided 4 service endpoints and delivered 93,217,916 CPUhours in total to EGI communities over the year. With the help of the EGI Security Vulnerability Group, the Belgian 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: 98.63%

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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