



EGI Council Participant: SURF

Participating in EGI Impact Report

Netherlands_

www.egi.eu

2025

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

Infographic_

Netherlands_



Country Overview_

Number of supported publications	750
Number of total service users	3,175
Scientific Communities supported	22
Data Centres contributing to the Federation	2
Collaboration projects	25
Total HTC CPU hours delivered	128,619,458

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

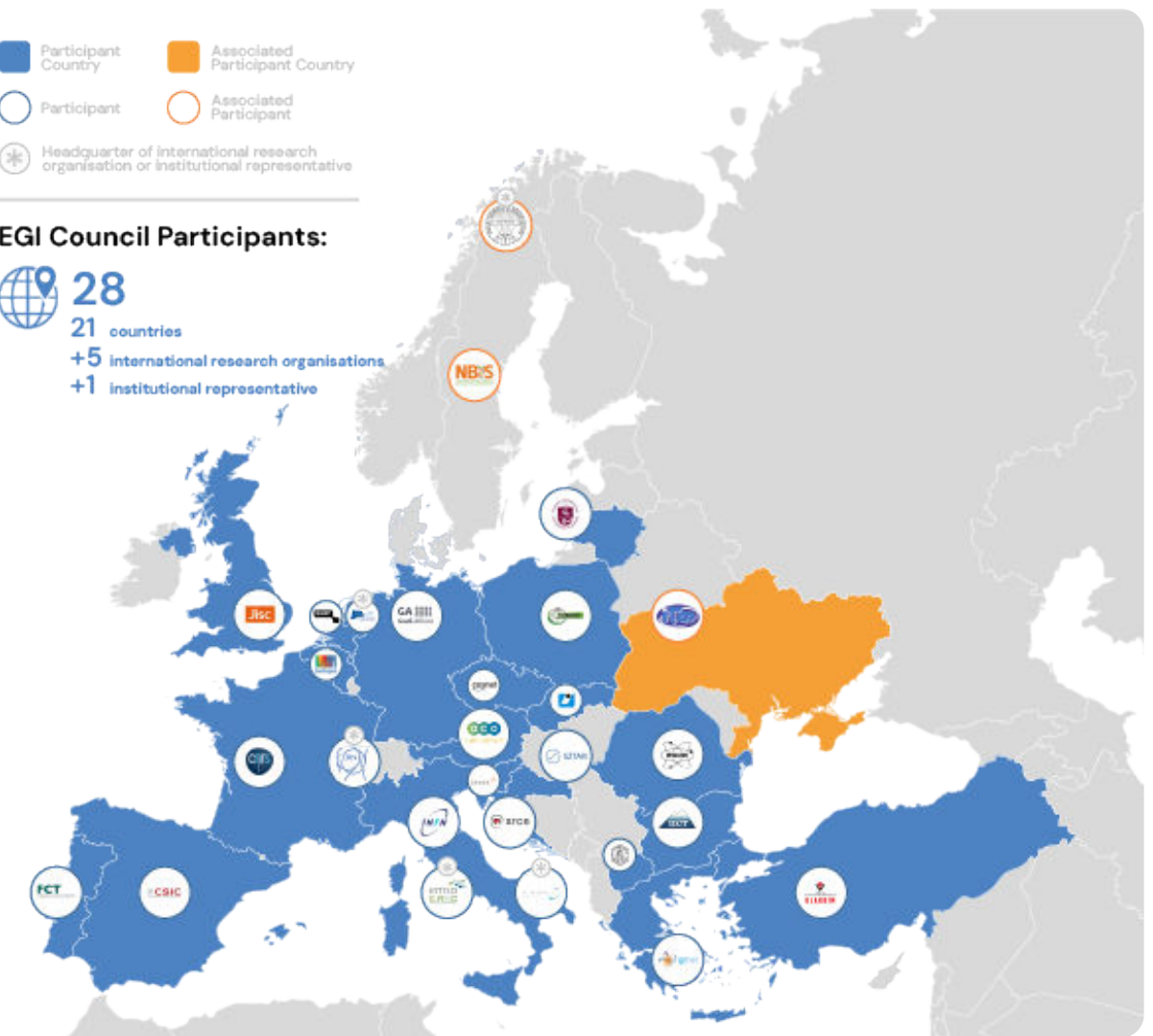
across disciplines, countries, and funding cycles to benefit from ongoing digital innovation. At the same time, the federated infrastructure and its associated R&D activities generate impact across all fields of science, from physics to the humanities, fostering new discoveries and novel research approaches.

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 SURF_

About SURF

SURF is a cooperative association of Dutch educational and research institutions in which the members combine their strengths. Within SURF, we work together to acquire or develop the best possible digital services, and to encourage knowledge sharing through continuous innovation. The members are the owners of SURF.

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 the Netherlands

SURF coordinates the Dutch participation to the EGI Federation. SURF promotes the building and operation of a multidisciplinary national Distributed Computing Infrastructure open to all sciences and to developing countries in Netherlands. This report provides an overview of the activities of SURF in EGI, and the impact that was achieved thanks to this participation. The annual membership fee contributed by SURF to the EGI Foundation in 2025 was 86,250 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 2,065 researchers from The Netherlands over the year. The estimated annual scientific output produced by research communities, projects and scientific collaborations from the Netherlands and supported by the EGI Federation in 2025 is estimated to amount to over 750 peer reviewed scientific publications. The EGI Federation is currently working with almost 50 Research Infrastructures, 33 of which include Dutch partners. These EGI-enabled research infrastructures, their Dutch members and their scientific output (publications) are detailed in the following pages of the report.

Dutch Research Collaborations in EGI

AMS-02 (Particle Physics)

- University of Groningen

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

Dutch Research Collaborations in EGI

ALICE (High Energy Physics)

- NIKHEF
- Rijksuniversiteit Utrecht
- University of Applied Sciences, Amsterdam

EGI Supported Activities and Services

ALICE 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)

43 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Dutch Research Collaborations in EGI

ATLAS (High Energy Physics)

- NIKHEF
- Radboud University

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

Dutch Research Collaborations in EGI

AUGER (Astronomy)

- KVI University of Groningen
- NIKHEF
- ASTRON
- Universiteit van Amsterdam
- IMAPP Radboud Universiteit

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

Dutch Research Collaborations in EGI BIOMED (Life Sciences) - VU Amsterdam - University Medical Center Groningen - UMC - The Netherlands Cancer Institute - Eindhoven University of Technology - The Netherlands Cancer Institute	- Delft University of Technology - Erasmus University Medical Center	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.
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1 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Dutch Research Collaborations in EGI CTA (Astronomy) - Gravitation and Astroparticle Physics in Amsterdam - Centre for Advanced Radiation Technology - University of Groningen - Radboud University	EGI Supported Activities and Services The CTA experiment has been using compute resources from EGI partners for more than a decade. The services from the EGI federation that CTA uses 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)
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0 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Dutch Research Collaborations in EGI CLARIN (Linguistics) - CLARIAH-NL - Utrecht University	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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Dutch Research Collaborations in EGI DUNE (Astroparticle Physics) NIKHEF	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)
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41 SCIENTIFIC PAPER(S)
PUBLISHED IN 2025

Dutch Research Collaborations in EGI EMPHASIS (Agricultural Sciences) - Wageningen University - University Utrecht - NIOO-KNAW - Nijmegen - UvA	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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Dutch 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

Dutch Research Collaborations in EGI ILC (High Energy Physics) - Vrije Universiteit Amsterdam - IMAPP Nijmegen - NIKHEF	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

Dutch Research Collaborations in EGI INSTRUCT (Structural Biology) - Instruct Centre NL - Bijvoet Centre – UU - NeCEN – LU - Protein facility – NKI - NWO	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
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Dutch Research Collaborations in EGI KM3NET (Neutrino Observatory) - NWO-I, Nikhef - KVI-CART University of Groningen - Leiden University - NIOZ - TNO, Technical Sciences - University of Amsterdam	EGI Supported Activities and Services The Km3Net experiment has been using compute resources from EGI partners since 2013. The services from the EGI federation that Km3Net uses include: - EGI HTC services from 2 EGI federated sites from IT and 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) 52 SCIENTIFIC PAPER(S) PUBLISHED IN 2025
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Dutch Research Collaborations in EGI LifeWatch (Biodiversity and Ecosystem Research) - University of Amsterdam - Institute for Biodiversity and Ecosystems Dynamics	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
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Dutch Research Collaborations in EGI LOFAR (Radioastronomy) ASTRON	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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Dutch Research Collaborations in EGI LHCb (High Energy Physics) - NIKHEF - Vrije Universiteit Amsterdam	EGI Supported Activities and Services LHCb has been supported since 2012 as part of the EGI – WLCG collaboration, formally agreed in an MoU. Federating services delivered in the context of the WLCG MoU include: - Software support - 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) 51 SCIENTIFIC PAPER(S) PUBLISHED IN 2025
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Dutch Research Collaborations in EGI SeaDataNet (Oceanography) - Wageningen University - University Utrecht - NIOO-KNAW - Nijmegen - UvA	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
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Dutch Research Collaborations in EGI SKA (Radioastronomy) NWO	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
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Dutch Research Collaborations in EGI VIRGO (Astrophysics) - Delta Institute for Theoretical Physics - Radboud University - Eindhoven University of Technology - University of Amsterdam – various institutes - Leiden University - Maastricht University - Nikhef - University of Groningen	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,	- Vrije Universiteit Amsterdam - 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
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Dutch Research Collaborations in EGI WeNMR (Structural Biology) - Utrecht University - Bonvin Lab - Leiden University - University of Groningen - Wageningen University - Cardiovascular Research Institute Maastricht - Radboud Institute for Molecular Life Sciences - Eindhoven University of	Technology - Amsterdam Medical Centre - University of Amsterdam - TU Delft - Netherlands Cancer Institute - MAASTRICHT UNIVERSITY - Amsterdam UMC - University of Twente - Brouns Lab - Netherlands eScience Center	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
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Dutch Research Collaborations in EGI

XENON (Dark Matter Physics)

- NIKHEF
- University of Amsterdam

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, SARA-MATRIX and Nikhef supported 1 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

- Stichting EGI
- TU Eindhoven
- Universiteit Leiden

Project Title



Scope of Collaboration

EGI advances the development of innovative approaches for communication, dissemination, and exploitation management. It contributes technical expertise to the definition of the project's architecture and guidance

framework, supports the harmonisation of trust and interoperability policies, and participates in the validation process. EGI also contributes to the preparation of the Compendium and to formulating recommendations that inform the project's future directions..

Participating beneficiaries from the country

- NWO-I
- GEANT
- STICHTING EGI
- SURF BV
- MARIS

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

- Stichting EGI
- CYTOBUOY BV

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

- MARIS BV
- Stichting EGI
- KNMI
- Universiteit van Amsterdam

Project Title	Scope of Collaboration	Participating beneficiaries from the country
	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.	• Stichting EGI
Project Title	Scope of Collaboration	Participating beneficiaries from the country
	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. • Stichting EGI
Project Title	Scope of Collaboration	Participating beneficiaries from the country
	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..	• Stichting EGI • TNO • Stichting ISHARE • ILVO
Project Title	Scope of Collaboration	Participating beneficiaries from the country
	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. • Stichting EUROPEANA • Nederlands Instituut voor Beeld en Geluid • Stichting Archives Portal • Europe Foundation • Stichting EGI • CLARIN ERIC • Stichting LIBER

Project Title	Scope of Collaboration	Participating beneficiaries from the country
	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.	• Stichting EGI • CLARIN ERIC
Project Title	Scope of Collaboration	Participating beneficiaries from the country
	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).. • Stichting EGI
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). • Stichting EGI • Stichting LIBER
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. • EATRIS • Stichting EGI • Erasmus University Medical Center • Health-RI • Maastricht University • Philips • Radboud University Medical Center • The Netherlands Cancer Institute

Project Title**Scope of Collaboration**

EGI collaborates on defining technical requirements, developing authentication and authorisation infrastructure, and supporting project services onboarding to the EOSC Marketplace.

Participating beneficiaries from the country

- Stichting EGI
- Europeana Foundation

Project Title**Scope of Collaboration**

EGI provides cloud compute and AAI services to enable execution of extended reality (XR) tools, while supporting project communications and stakeholder engagement.

Participating beneficiaries from the country

- Stichting EGI
- Europeana Foundation

Project Title**Scope of Collaboration**

EGI contributes to developing an innovative, workflow-based Gateway connecting European scientists to computing and storage infrastructures, advancing operational FAIR data services within EOSC.

Participating beneficiaries from the country

- Stichting EGI

Project Title**Scope of Collaboration**

EGI contributes research expertise to defining requirements, metrics, specifications, and validation pilots for assessing thematic services and platforms.

Participating beneficiaries from the country

- Universiteit Leiden
- Universiteit Utrecht
- Stichting EGI

Project Title**Scope of Collaboration**

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.

Participating beneficiaries from the country

- University of Amsterdam
- Stichting EGI

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

- Stichting EGI
- MARIS
- University of Utrecht
- KNMI
- Stichting Deltares

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

- Open Universiteit Nederland
- Stichting Radboud Universiteit
- Stichting EGI

Project Title**Scope of Collaboration**

EGI 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

- Stichting EGI
- Maastricht University

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

- Stichting EGI
- Wageningen University
- Stichting Wageningen Research

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

- TU Delft
- Stichting EGI

Project Title



Scope of Collaboration

EGI 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 EGI

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

Participating beneficiaries from the country

- Stichting EGI
- NWO-I
- Universiteit Twente

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

- Stichting EGI
- Universiteit Leiden
- Academisch Ziekenhuis

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

- Stichting EGI
- Universiteit van Amsterdam
- TU Delft
- Universiteit Utrecht
- Erasmus Universiteit Rotterdam

Project Title



Scope of Collaboration

EGI 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

- Stichting EGI
- University of Twente
- Nikhef

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:

- NIKHEF-ELPROD (NIKHEF)
- SARA-MATRIX (SURF)

The data centres provided 2 service endpoints and delivered 128,619,458 CPUhours in total to EGI communities over the year. With the help of the EGI Security Vulnerability Group, the Dutch sites avoided 49 critical vulnerabilities in foundational software systems during the year.

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

- ATLAS 39.03%;
- LHCb 21.20%;
- VIRGO: 13.99%
- ALICE 12.81%;
- WeNMR: 4.65%;
- XENON: 3.18%
- DUNE 3.11%;
- AUGER 1.80%;

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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