



EGI Council Participant: ACONET

Participating in EGI Impact Report

Austria

www.egi.eu

2025

Table of Contents_

04

Infographic

05

Country Overview

13

**Participated
Projects**

06

About EGI

07

**About Council
Participant**

17

**Infrastructure
Contribution**

18

Methodology

08

Overall EGI Impact

10

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

17

**Infrastructure
Contribution**

18

Methodology

08

Overall EGI Impact

10

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

Infographic_

Austria_

1,708

Service Users

In 2025, 1,708 researchers from Austrian institutions used the services provided by the EGI Federation

262

Publications

The research communities, projects and scientific collaborations from Austria supported by the EGI led to 262 peer-reviewed scientific publications

7

Supported Communities

The infrastructure providers from Austria federated in EGI supported 7 research communities in the following disciplines: Agriculture, Health and Medicine, Physics

9

Projects

Austrian partners participate in 9 collaboration projects

10,3M+

Compute Delivery

In 2025, the infrastructure providers from Austria federated in EGI delivered 10,353,914 HTC CPU Hours and 33,988 Cloud CPU Hours

Country Overview_

Number of supported publications

262

Number of total service users

1,708

Scientific Communities supported

7

Data Centres contributing to the Federation

3

Collaboration projects

9

Total CPU hours delivered

HTC 10,353,914
Cloud 33,988

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

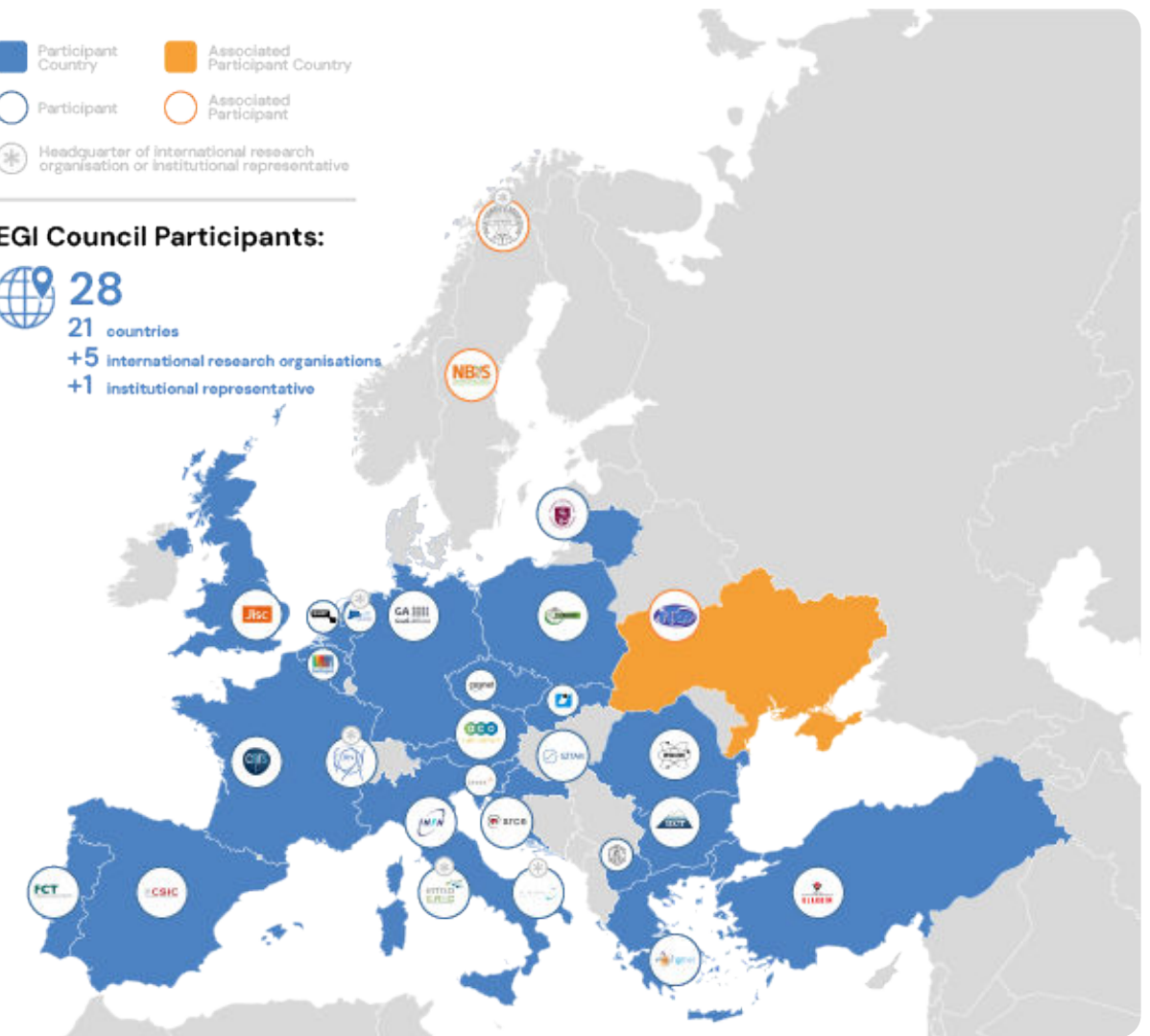
across disciplines, countries, and funding cycles to benefit from ongoing digital innovation. At the same time, the federated infrastructure and its associated R&D activities generate impact across all fields of science, from physics to the humanities, fostering new discoveries and novel research approaches.

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 ACOnet_

About ACOnet

The ACONET Association represents a consortium of Austrian universities and research organisations. With a combination of a powerful backbone and services highly focussed on customers' needs, ACOnet (the Austrian NREN) provides its participants many possibilities for scientific, innovative communication, cooperation and further development at a national and international level. The ACONET Association supports the forming of communities of participants with similar needs and goals. Community building is the basis for mutual trust, which again is a prerequisite for secure and efficient communication as well as for the implementation of services. The ACONET Association, as a neutral and non-commercial expert institution, offers its know-how to the community and cooperates with relevant organisations and institutions in Austria and beyond.

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 Austria

The ACONET Association coordinates the Austrian participation to the EGI Federation. It supports Austrian universities and research organisations according to their demands regarding national and international data networking and services. The annual membership fee contributed by the ACONET Association 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 1,708 researchers from Austria over the year. The estimated annual scientific output produced by research communities, projects and scientific collaborations from Austria and supported by the EGI Federation in 2025 is estimated to amount to over 262 peer reviewed scientific publications. The EGI Federation is currently working with almost 50 Research Infrastructures, 7 of which include Austrian partners. These EGI-enabled research infrastructures, their Austrian members and their scientific output (publications) are detailed in the following pages of the report.

Austrian Research Collaborations in EGI

ALICE (High Energy Physics)

- Marietta Blau Institute for Particle Physics (MBI)

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

Austrian Research Collaborations in EGI

ATLAS (High Energy Physics)

- Leopold-Franzens-Universität, Innsbruck
- Fachhochschule Wiener Neustadt

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

Austrian Research Collaborations in EGI

CTA (Astronomy)

- Leopold-Franzens-Universität, Innsbruck

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)

0 SCIENTIFIC PAPER(S) PUBLISHED IN 2025

Austrian Research Collaborations in EGI

CLARIN (Linguistics)

- CLARIAH-AT

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

Austrian Research Collaborations in EGI

CMS (High Energy Physics)

- Marietta Blau Institute for Particle Physics (MBI)

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

Austrian Research Collaborations in EGI

EMPHASIS (Agricultural Sciences)

- Vienna BioCenter Core Facilities (VBCF)Gregor Mendel Institute of Molecular Plant Biology
- University of Vienna
- BOKU University

- Leopold-Franzens-Universität, Innsbruck
- Austrian Agency for Health and Food Safety GmbH (AGES)

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

Austrian Research Collaborations in EGI

WeNMR (Structural Biology)

- TU Graz
- Medical University of Innsbruck
- IST Austria
- Johannes Kepler University Linz
- Austrian Centre of Industrial Biotechnology
- BOKU University
- CeMM Research Center for Molecular Medicine

- Research Institute of Molecular Pathology
- Max F. Perutz Labs
- Medical University of Vienna
- University of Veterinary Medicine, Vienna

EGI Supported Activities and Services

WeNMR 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), and 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:

- 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 Austrian 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 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 • Zentrum für Soziale Innovation (ZSI)
---	--	--	--

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 • Österreichische Nationalbibliothek
---	---	---	--

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 • TU Graz
---	---	--	---

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 • BBMRI-ERIC • European Institute for Biomedical Imaging Research (EIBIR) • Medical University of Innsbruck • Medical University of Vienna
---	---	---	---

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 • University of Vienna • BOKU University • GeoSphere Austria
---	---	--	--

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 • FH Joanneum Gesellschaft mbH • Medical University of Vienna
---	--	--	--

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 • BOKU University
---	--	---	---

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 • Central European University Private University – CEU GmbH
---	---	---	---

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

- UMIT TIROL
- BBMRI-ERIC

Infrastructure Contributions

The EGI Federation offers two complementary compute capabilities: the High-Throughput Compute (HTC) federation and the Cloud federation. 3 Austrian data centres contribute to these federations:

HTC Federation:

- Hefpy-UIBK (University of Innsbruck, Institute for Astro- and Particle Physics)
- Hefpy-Vienna (Institute of High Energy Physics, Austrian Academy of Sciences)

Cloud Federation:

- EODC

The data centres provided 3 service endpoints and delivered 10,353,914 HTC CPUhours and 33,988 Cloud CPU Hours in total to EGI communities over the year. With the help of the EGI Security Vulnerability Group, the Austrian sites avoided 49 critical vulnerabilities in foundational software systems during the year.

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

- ALICE: 53.12%;
- CMS 45.39%;
- BELLE 1.2%;

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

EGI Foundation

Science Park 140
1098 XG Amsterdam
Netherlands

Connect With Us

Website:
www.egi.eu

Phone:
+31 (0)20 89 32 007

Email:
contact@egi.eu

 [egiinfra.bsky.social](https://twitter.com/egiinfra)

 EGI Foundation

 EGI_einfra

