



Community Programme Intro

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The GÉANT Association is the collaboration of European National Research and Education Networks (NRENs), supporting the advancement of research, education, and innovation on a global scale.

Together we deliver an information ecosystem of infrastructures and services used for communication, collaboration, exchange of data, and access to repositories, services and facilities.

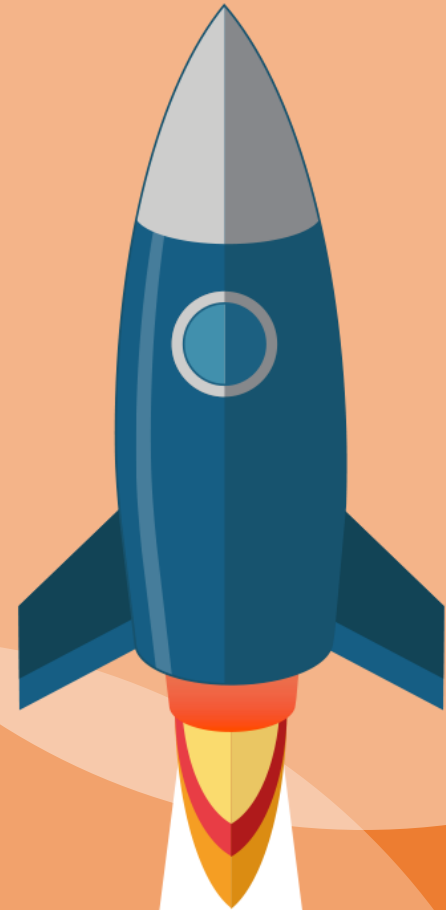
Vision

To collaborate to deliver the infrastructures and services that enable the R&E community to excel.



Mission

To empower R&E with an open, innovative, and trusted information ecosystem.



Ambition

To address and anticipate the needs of the R&E community by offering sustainable, open, innovative and trusted infrastructures and services.

To be a trusted and preferred-choice partner to the benefit of the European R&E community.

To collaborate and share knowledge to enable NRENs to improve their performance, both individually and collectively.





Community Programme

VISION: A connected, collaborative and harmonised research and education networking community.

MISSION: Provide optimal conditions for the R&E networking community to collaborate both face-to-face and virtually.

OBJECTIVES:

- Identify and share areas and trends benefiting NRENs and the wider R&E community.
- Manage the lifecycle of groups and activities.
- Connect people to the right human network.
- Support methods of eliminating gaps within the R&E community.
- Facilitate group collaborations.
- Raise awareness about the GCP.
- Facilitate knowledge transfer.



Current Portfolio

- Task Forces
- Special Interest Groups
- Workshops and Trainings
- Collaborative Projects
- Innovation Programme
- Community Award

Thematic Areas

Security

[SIG-ISM: Information Security Management](#)

[TF-CSIRT: Computer Security Incident Response Teams](#)

Network Technologies

[SIG-NGN: Next Generation Networks](#)

[SIG-NOC: Network Operations Centres](#)

Organisational Services

[SIG-Marcomms: Marketing Communications](#)

[SIG-MSP: Management of Service Portfolios](#)

Identity and Privacy

[REFEDS](#)

Research Services

[SIG-RED: Special Interest Group on Research Engagement Development](#)

Education

[TF-EDU: Educational Technologies](#)

Cloud Services

[SIG-CISS: Cloud Interoperable Software Stacks](#)

Digital Health

[SIG-DigitalHealthData: Digital Health Data](#)

In Progress:

SIG-Time and Frequency

SIG-Sustainability

SIG-Learning

SIG-Procurement

Under discussion: AI, Policy/Public Affairs



Innovation Programme

The GÉANT Innovation Programme is a unique opportunity to enable initial development, establish a proof of concept or testing of new ideas, with lightweight administrative constraints.

- Launched in 2021, 30 projects awarded to date.
- Annual research project funding of 300K Eur, funded by GEANT members
- Thematic areas aligned with GEANT priorities: networking, cloud, security, trust & identity and education.
- Demonstrate significant scientific or societal and economic impact and create benefit for the GÉANT European Research and Education community. Examples of previous innovation developed within the GÉANT Community include widely adopted services, such as [eduroam](#), [eduVPN](#) and [eduMEET](#).
- Criteria: quality, innovation, potential impact and value for money.



Innovation Programme-Cloud projects

Cloud

SecMC: Secure Data Management for Multi-Cloud Environments

This project aims to address the challenges faced by industries in managing and securing data in a multi-cloud environment, developing a solution that solves data fragmentation and silos caused by the use of multiple clouds by organisations.

Submitter organisation: University of Galway

Cloud

PLAS: Platformed Workflows

The GÉANT Cloud Flow (GCF) platform allows to run large-scale workflows consisting of tasks. Tasks are typically embedded in Docker Container images, and GCF deploys these Containers to the most convenient GÉANT site offering a Container platform. The project goal is to extend GCF's services with open-source software so that a user can not only run containerized-tasks, but platformed-tasks, i.e., tasks running within overlay platforms to leverage better the underlying cloud resources and make the workflow faster. For example, this extension would allow the execution of complex machine learning tasks within the Horovod distributed training platform, deployed by GCF as part of the workflow.

Submitter organisation: Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT)

Borderless Data Spaces

Data is the key value of our modern society. However, often the actors in charge of data production and consumption are different, hence posing non-trivial challenges to control who can access what, and (even more important) the guarantee that data is not stolen / copied illegally, in particular when sensitive data is concerned. The BORDES project leverages the open-source Liqo.io framework to demonstrate a cloud-based technology that can dynamically create flexible data spaces upon request, potentially spanning across multiple administrative domains, enabling a data producer to offer its data to potential consumers, without giving up on security and data ownership/sovereignty rules, and without affecting the possibility of consumers to read and process arbitrary data. This technology will dramatically simplify the operations of data producers and consumers (which are often different actors), as well as processing multiple data sources, thanks to a data-gravity approach in which processing is (securely) moved close to data sources.

Submitter organisation: Politecnico di Torino

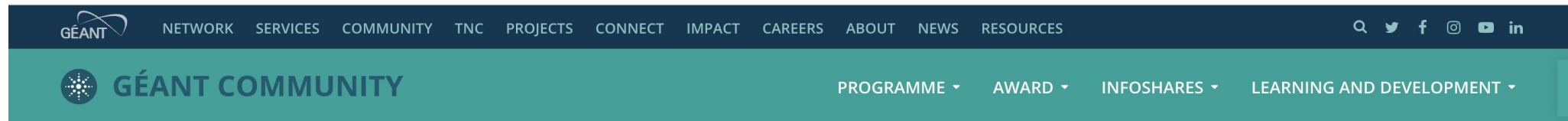


Community Award

- Recognition of outstanding contributions to the project or community which have immediately led to significant and recognisable new ideas, developments or improvements.
- First awarded in 2012, sponsored by the GÉANT project.
- Nominations and voting from across the community.
- Overseen by the GEANT Award Committee: Chair of the GÉANT Board of Directors, Chair of the GÉANT Community Committee, Chair of the TNC Programme Committee, CEO / representative of TNC host organisation, CEO GÉANT.
- Presented every year at [TNC](#), the GÉANT community's flagship conference.



Join YOUR Community!



CLOUDS • SPECIAL INTEREST GROUP

SIG-CISS: Cloud Interoperable Software Stacks

Sharing and collaborating on cloud infrastructure software stacks, platforms and research workflows

The Special Interest Group on Cloud Interoperable Software Stacks, SIG-CISS, brings together those who are building or operating research and education clouds and are willing to share strategy, design, deployment, performance optimisation, application

SIG-CISS Steering Committee

Maciej Brzezniak (PSNC)

Guido Aben (AARNet)

Ann Harding (SWITCH)

Jan Meijer (UNINETT)

Coordinator: [Mario Reale](#) (GÉANT)





Thank You

Any questions?

www.geant.org



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