

GÉANT Association

Project Charter

GÉANT EOSC Node

Version 1.1 – 15 June 2026

1. PROJECT SUMMARY

The GÉANT Node aims to offer the GÉANT portfolio of network, security, and trust & identity services to the broader Research and Education (R&E) community. The GÉANT Node will lower the barriers for National Research and Education Network (NREN) involvement in the EOSC Federation.

The GÉANT Node will be hosted on the GÉANT Digital Research Environment (GDRE), a multitenant, managed platform that facilitates simple, fast and accessible deployment of an EOSC Node. The GDRE offers a blueprint for the creation of an EOSC Node compliant with the EOSC Federation Handbook¹.

By lowering the entry barriers for eligible organisations to join the Federation, the GDRE platform helps realise the vision of a coordinated, interoperable EOSC Federation that is cross-disciplinary and cross-border. The GDRE platform will be built as part of the EOSC4ALL project and is based on the SURF Research Cloud (SRC) underpinning the SURF EOSC Node.

The GÉANT Node will provide a gateway for NRENs to include smaller nodes from member states new to the EOSC Federation.

GÉANT is applying to join the EOSC Federation to deliver the following objectives.

- O1: Establish the GÉANT Node on the basis of the GÉANT Digital Research Environment and provide a technical solution to sustain the AAI EOSC Federating Capability in alignment with the EOSC EU Node.
- O2: Make a suite of specialist high-scale network, security, and trust & identity services such as eduVPN, perfSONAR and the Core AAI platform available to the broader research community.
- O3: Act as a gateway to NREN-provisioned services and cloud solutions procured through the OCRE2024 Framework.
- O4: Collaborate with other Nodes to demonstrate a federated and trusted identity domain for seamless access between EOSC Federation and EuroHPC Computing Sites resources and services.

¹ EOSC Association. (2026). EOSC Federation Handbook (2.0) [Computer software]. EOSC Association. <https://doi.org/10.5281/zenodo.18454649>

2. VALUE PROPOSITION

GÉANT has successfully delivered advanced network solutions to European R&E users for decades. In addition to connecting Europe's researchers with the global R&E network, GÉANT also provides security services such as DDoS detection, trusted certificate services, and security awareness training. GÉANT's expertise in network infrastructure architecture, trust and identity, security, and establishing global federations (e.g. eduroam and eduGAIN) interoperability frameworks.

In Europe, GÉANT also offers a bridge between EOSC and the European High Performance Computing Joint Undertaking (EuroHPC JU) through its high-bandwidth network and the common federated AAI, using MyAccessID, for the EuroHPC Federation Platform (project led by CSC), the EOSC EU Node and the EOSC Federation. The value of the organisation lies in its horizontal integration into both initiatives (i.e. EOSC and EuroHPC). Future access to AI Factories and HPC Centres could be coordinated through the platform. As one of the Common European Data Spaces expected to significantly contribute to the Resource for AI Science in Europe (RAISE), this level of integration will be foundational to deliver the European goal of sovereign and competitive data.

GÉANT fully supports the mission of the European Open Science Cloud centred on the research community. GÉANT and 22 NRENs are members of the EOSC Association, 12 of which are mandated organisations.

The build-up of the EOSC Federation faces key challenges related to the deployment and operations of an EOSC Node, as well as to the rules of participation to the Federation. The main challenges concern:

- Technical, financial, and operational strain on organisations implementing a node
- Different standards that have to be harmonised under the Federation for interoperability
- Development of an inclusive trust framework
- Sustainability of nodes and the federated capabilities, and
- Governance of the EOSC Federation.

GÉANT services are made available through the GÉANT NREN community. Offering specialist, high-scale network, security, and trust & identity services to the EOSC Federation would provide an additional way to serve the broader research community. To better leverage GÉANT's resources and expertise, the GÉANT Node will act as a gateway to lower the barriers for NRENs to be involved in the EOSC Federation. A similar gateway function is played for commercial cloud service providers through the OCRE 2024 Framework, so that cloud services and resources can be offered to the EOSC Federation.

The GÉANT Node will be hosted on the GDRE, with its development based on the SURF Research Cloud. Nodes deployed through the GDRE will be compliant with the EOSC Node Architecture, as described in the EOSC Federation Handbook. Users of the GDRE include NRENs and research organisations eligible to become an EOSC node. Because the GDRE is to serve the broader NREN and research community, the GDRE platform will be offered through the GÉANT Node to the EOSC Federation.

3. REPOSITORIES AND SERVICES DELIVERED

Service Description	Access Policies to the Service	Federation Contributions & Value to Users
1 Core AAI Platform (TRL9):		
Offers an AARC-BPA-compliant solution for research infrastructures to implement EOSC Node AAI and to join the EOSC AAI Federation. (EU-wide).	Chargeable service depending on deployment model	Enables researchers, scientists, users to participate in virtual organisations as well as accessing community services based on the membership with the virtual organisation.
2 GÉANT Digital Research Environment (GDRE) (TRL7 start; TRL8 by end of Year 2)		
Provides a complete suite of capabilities compliant with the EOSC Node Architecture and interoperable with the EOSC EU Node, including cataloguing/graphs, monitoring, AAI, accounting, service mgt, credit mgt, and more.	Access policy to be confirmed during development phase	Empowers NRENs and RIs to roll out their own EOSC Nodes, streamlining deployment, enhancing interoperability, and reducing costs by sharing resources, services and research products. Nodes architecture deployed through the multitenant platform complies with EOSC Federation Handbook.
3 OCRE (TRL9)		
OCRE is the GÉANT's flagship cloud framework that fosters digital transformation across Europe, by enabling easy, convenient, and compliant consumption of commercial cloud services.	Available to most institutions in 39 European countries (Catalogue)	Through the OCRE framework, NRENs and RIs can procure cloud services efficiently and cost-effectively. Compliant with all relevant EU Regulations (procurement, VAT, GDPR, etc.). Call-off contracts with service providers under local laws; in-country platform support.
4 eduVPN (TRL9)		
Secure access to protected applications when user accesses from outside institution's network.	Free software download. R&E institutes join eduVPN	Deploying the server side of eduVPN, RIs can provide researchers secure access to their applications and infrastructures when services do not allow public access.
5 perfSONAR (TRL9)		
Open-source, modular, flexible architecture for active network performance monitoring. NOC and PERT engineers view network performance across multiple domains. Seamless analysis and diagnosis of network behaviour across the entire end-to-end path.	Free software download. Research and education institutes can join the perfSONAR network	perfSONAR offers RIs a suite of tools to perform active measurements of throughput, packet loss, delays and jitter, and record network route and path changes. perfSONAR can be deployed in a standalone within an RI or can join the global perfSONAR community.
6 GÉANT Data Transfer Node Testing Facility (TRL9)		
Powerful servers that allow RIs to try, evaluate, test and verify the performances of specialised software and protocols to transfer research data both within Europe and across global distances.	Available free of charge to NRENs and as a chargeable service for RIs	RIs, like those related to high energy, genomics or astronomy, that need to transfer large amounts of data can test and improve data transfer between different sites.
7 GÉANT Security Training (TRL9)		
GÉANT offers a wide range of security training and services that enable NRENs and institutions to support and protect users from online threats. Training includes awareness, cyber security, bootcamps, and crisis mgt.	N/A	Security awareness, policies and best practice build a trustworthy environment. GÉANT brings awareness and policies into practice. The EOSC Federation, EOSC Nodes and EOSC Users (research and research communities) can all benefit

4. USE CASES

GÉANT proposes the development of four use cases over a two-year period. The use cases build on the GÉANT contribution to the EOSC AAI Federating capabilities (Use Case 1) and resources that have previously not been tapped by the EOSC Federation. Use Case 2 aims to provide cloud resources through the OCRE2024 Framework via the GÉANT Node. Use Case 3 envisions the set-up of a Gateway function through which the member NRENs of GÉANT can offer services and resources to the EOSC Federation and users. Finally, Use Case 4 extends the AAI work undertaken in the EuroHPC to demonstrate seamless access between EOSC and EuroHPC resources.

Use Cases
1. AAI EOSC Federating Capability
Description: The EOSC Federating Capability for Authentication and Authorisation is one of the mandatory Federating Capabilities. EOSC AAI enables researchers and service providers within the EOSC to authenticate and authorize users to access resources in a secure and interoperable way. It integrates with national and institutional identity providers, allowing Single Sign-On (SSO) across EOSC services. GÉANT will provide, through MyAccessID, the Central Hub, the technical solution for the Trust & Identity layer across the EOSC AAI Federation, as depicted in the EOSC AAI Architecture 2025.
Federation Contributions & Value to Users: The EOSC Federating Capability for Authentication and Authorisation establishes a single, unified identity for end-users across the EOSC Federation and enables Federated Authentication and Single Sign-On (SSO) across the EOSC Nodes and services. It also provides token-based access for APIs and resources.
List of the participating organisations: GÉANT and all EOSC Nodes.
List any other Nodes involved: All EOSC Nodes.
Timeline of realisation of the use case: EOSC Symposium 2026.
2. Making OCRE resources available
Description: Making sovereign European cloud resources from the OCRE Framework available through the GÉANT Node. Cloud resources from European Cloud providers will be integrated into the GDRE.
Federation Contributions & Value to Users: This use case will lower the barrier for RI and Researchers to make use of European based cloud resources, supporting European sovereignty.
List of the participating organisations: OVH, IONOS.
List any other Nodes involved: In this use case the GÉANT will act as a gateway for NRENs that are not an EOSC Node.
Timeline of realisation of the use case: EOSC Symposium 2027.
3. Making NREN resources available
Description: In this use case GÉANT is focusing on making NREN resources available through the GÉANT Node. GÉANT will collaborate with two or more NRENs that are not participating in the EOSC Federation build up. For these NRENs, the GÉANT Node will act as the gateway to make their resources available to the EOSC Federation.

Federation Contributions & Value to Users: This lowers the barriers for NRENs that are not an EOSC Node to offer services and resources to the EOSC Federation and its Users.
List of the participating organisations: GÉANT and selected NREN organisations that are not yet a member of the EOSC Federation (e.g. Belnet, PCSS). The choice of additional NRENs depends on the selection of the 2 nd -wave nodes.
List any other Nodes involved: In this use case the GÉANT will act as a gateway for NRENs that are not an EOSC Node.
Timeline of realisation of the use case: EOSC Symposium 2027
4. Bridging EuroHPC with EOSC
Description: The aim of this use case is to showcase the synergies between the EOSC Federation and EuroHPC through the EuroHPC Federation Platform (EFP). The EFP is developed by a consortium led by CSC in which GÉANT is responsible for enabling the Federated identity layer and Single-Sign-On (SSO) through MyAccessID. In this use case GÉANT will collaborate with other Nodes to demonstrate a federated and trusted identity domain providing seamless access between services and resources provided through EOSC Nodes and EuroHPC HPC computing sites. In this use case we plan to run a workflow, moving data from an EOSC Node to an EuroHPC HPC system, process the data on the EuroHPC HPC system generating output, storing this output on a EFSS service and analyse the research output through a Jupyter notebook provisioned through an EOSC Node. In this use case, the concept of Dataset-as-a-Service will be explored by offering access to the FAIR dataset while maintained on the European computing site. • <i>EOSC Node Finland</i>, providing access to the LUMI supercomputer for running the processing job, and for creating metadata and publishing the data while in HPC environment (DaaS) • <i>EOSC Node EUDAT</i>, for storing the research output data and making the data accessible to/from the LUMI supercomputer • <i>EOSC Node SURF/Netherlands</i>, providing the cloud computing resources to run the analysis Jupyter Notebook • <i>EOSC Node PaNOSC</i>, to run the scientific use case • <i>EOSC Node Germany</i>, enabling and executing the workflow through the EU Galaxy service across the EOSC Nodes
Federation Contributions & Value to Users: This use case will demonstrate a Federated and Trusted Identity Layer between EOSC and EuroHPC, allowing researcher and research communities seamless access between EOSC and EuroHPC resources.
List of the participating organisations: GÉANT, CSC, SURF, EUDAT, FZJ Jülich, Freiburg University, ESRF
List any other Nodes involved: EOSC Node Germany, EOSC Node Finland, EOSC Node EUDAT, EOSC Node SURF, EOSC Node PaNOSC
Timeline of realisation of the use case: EOSC Symposium 2027

In Scope

The following activities are considered as in scope of deploying the GÉANT Node and to join the EOSC Federation:

- Deploy the GEANT Digital Research Environment as the GÉANT Node in the GÉANT hosting environment.

- Integrate Node Core functions in the GÉANT Node: SSO AAI through GÉANT Core AAI platform, GÉANT Helpdesk and Service Monitoring.
- Align the GÉANT Service Management System (SMS) processes with the EOSC Federation SMS processes.
- Participate in the EOSC Node Coordinators and EOSC Node Operations Committees
- Participate in EOSC Federation build-up working groups:
 - Federating Capabilities: Service Catalogue, Federated AAI, Helpdesk, Service Monitoring and Service Management System
 - Architecture and Technical Policies
 - Legal and Governance
 - Business models
 - Cyber Security
 - EOSC Federation Handbook
- Onboard selected GÉANT services (see Section 3) in the GÉANT Node
- Contribute to scientific use cases in which GÉANT services and/or knowledge and expertise are requested
- Promote the EOSC Federation and the GÉANT Node among the GÉANT Community (See Section 8 for more information on Stakeholder support).

Integration

In the buildup phase, while establishing the Node, GÉANT will focus on the following integration activities:

- Connect the GÉANT Node Core capabilities with EOSC Federating Capabilities, focusing on the mandatory capabilities: Service Catalogue, AAI, Helpdesk, Service Monitoring, and Service Management System
- Deploy the AAI EOSC Federating capability as described in the EOSC AAI Architecture 2025 document (see Section 4 use case *Making OCRE Resources Available*)
- Pilot gateway function of the GÉANT Node and onboard services from selected NRENs (see Section 4 use case *Making NREN Resources Available*)
- Pilot offering cloud-based service from the OCRE2024 framework through the GÉANT Node (see use case Section 4)
- Enable bridge between the EOSC Federated AAI and the AAI of EuroHPC through MyAccessID (see Section 4 use case *Bridging EuroHPC with EOSC*)

The following activities are considered as **dependencies** on other EOSC Nodes and external partners:

- In the realisation of the use cases, GÉANT is dependent on other EOSC Nodes and external partners.
 - Use Case 2: GÉANT is depending on external commercial partners from the OCRE2024 Framework to integrate the cloud computing services in the GÉANT Node.
 - Use Case 3: GÉANT is depending on the participation of NRENs onboarding services in the GÉANT Node
 - Use Case 4: GÉANT is depending on EOSC Nodes on enabling the multi-node use case, GÉANT is responsible for enabling the bridge between EOSC and EuroHPC to provide seamless access and SSO between EOSC and EuroHPC resources through MyAccessID

The following limitation is considered **out of scope**:

- **Transnational access and/or cross-border service provisioning** is a general limitation that still needs to be addressed within Europe and the EOSC Federation. Because Use Case 2 and 3 are based on these principles, the limitations are not automatically lifted through onboarding the services onto the GÉANT Node. Therefore, offering services from NRENs and/or through the OCRE2024 framework

will be affected by these limitations.

5. COMPLIANCE WITH TECHNICAL REQUIREMENTS

GÉANT agrees to comply with the mandatory technical specifications regarding the integration in the EOSC Federation as described in the EOSC Federation Handbook v2.

Governance

GÉANT's highest governing body is the General Assembly (GA), in which representatives of member organisations meet at least twice per year. The GA elects members to the Board of Directors (BoD), which manages and administers the organisation. Day-to-day operations are carried out by the association's staff, under the governance of the Chief Executive Officer and managers, the GÉANT Executive Team. This team provides collective leadership of all GÉANT activities, with each member having specific areas of lead responsibility.

The GA delegates the strategic governance of the GÉANT Node to the Board. The Board will also act as the supervisory body for the execution of the GÉANT Node and will report to, and be accountable to, the GA. Amongst other committees reporting to the Board, the GÉANT Oversight Committee (OC) oversees the progress and management of the GÉANT Node. The GÉANT Node will be deployed and operated by the GÉANT association's staff.

Technical Readiness

GÉANT will base the GÉANT Node on an instance of the SURF Research Cloud software stack, developed by SURF². GÉANT will host and operate this instance and will integrate the GÉANT Node with GÉANT infrastructure and processes. SURF has been a candidate node during the first wave and established the Dutch EOSC Node³ based on the SURF Research Cloud. Because GÉANT is basing the GÉANT Node on the SRC software stack, GÉANT is leveraging the advancements made by SURF in developing the Dutch EOSC Node.

The following table describes the implementation of the GÉANT Node on the basis of the Node Core Capabilities as described in Section 4.2.1 of the *EOSC Federation Handbook v2*⁴.

Node Core Capabilities

Node Core Capabilities	GÉANT Implementation	
Resource Catalogue and Registry services	GÉANT Node on the basis of the GDRE	The SRC technology offers a service catalogue.
AAI	GÉANT Core AAI Platform	Through the GÉANT Core AAI platform, a dedicated Node AAI will be deployed that is AARC BPA compliant, compliant with the EOSC AAI Architecture 2025 guideline to be integrated with the EOSC AAI Federation.
Helpdesk	GÉANT Helpdesk	GÉANT operates a central helpdesk for all of the GÉANT services, see (https://help.geant.org/)
Service Monitoring	GÉANT Node on the basis of the GDRE	The SRC technology offers a dashboard with system status information. GÉANT will assess monitoring of the GÉANT Node through the EOSC EU Node Monitoring federating capability.

² <https://www.surf.nl/>

³ <https://eosc.nl/>

⁴ <https://doi.org/10.5281/zenodo.18454649>

Node Core Capabilities	GÉANT Implementation	
Service and Research Product Accounting	GÉANT Node on the basis of the GDRE	The SRC technology offers service accounting through the SRC wallet and credit system.
Order Management	GÉANT Order Management process	GÉANT integrates and aligns the GÉANT Order Management process with the GÉANT Node and SRC technology.
Configuration Management System	Puppet	Puppet is an open-source configuration management tool used to manage stages of the IT infrastructure lifecycle.
User space	GÉANT Node on the basis of the GDRE	The SRC technology offers a user space in which users can login and request and access services and resources made available through the GÉANT Node.
Application Deployment Management	N/A	
Resource provisioning	GÉANT Resource Provisioning process	GÉANT integrates and aligns the GÉANT resource provisioning process with the GÉANT Node and SRC technology.

6. EXTERNAL DEPENDENCIES & KEY RISKS

External Dependencies & Risks	Actions / mitigations measures	Deadline
At the time of this writing, joining the EOSC Federation requires signing of the MoU. In the EOSC Federation build-up, a sub-group has been established to develop a legally binding consortium agreement. Depending on the legal requirements and policies, GÉANT will or will not be able to sign the EOSC Federation consortium agreement.	The GÉANT legal officer will join the EOSC Federation Working Group on Legal Policies to ensure that GÉANT is able to sign the legal binding Consortium Agreement.	Following the timeline of the working group.
According to the EOSC Federation Handbook v2, new Federating Capabilities (Helpdesk, Service Monitoring, Service Management System) will become mandatory in 2026. At the time of this writing, there are no guidelines available for these Federating Capabilities. Therefore, aligning the GÉANT Node capabilities and processes with the new mandatory EOSC Federating Capabilities is a risk.	GÉANT will join the working groups on defining and detailing the new mandatory Federating Capabilities.	Following the timeline of the working group.
GÉANT is the Association of the European NRENs mainly providing services for the NREN community. Through EOSC, it allows GÉANT to offer services and resources outside of the NREN community. To allow this, GÉANT needs to align a business model for non-NREN customers which is aligned with the business model being developed within the EOSC Federation.	GÉANT will join the working group on business models.	Following the timeline of the working group.
Misalignment between the OCRE and EOSC Federation policies. In the use case "Making OCRE resources available" to the EOSC Federation.	The GÉANT Legal Officer will join the EOSC Federation Working Group on Legal Policies to ensure compliance between the EOSC Federation and OCRE policies.	Following the timeline of the working group.

7. CONTRIBUTIONS [DELIVERABLES (INCLUDING DOCUMENTATION)]

ID	Deliverable Name	Responsible	Deadline
D1	Updated Project Charter (Report)	GÉANT	Jun 2026 (M1)
D2	GÉANT Node Design Document (Report)	GÉANT	Aug 2026 (M3)
D3	Deployment of the First Production Version of the GÉANT Node (Summary Report)	GÉANT	Sep 2026 (M5)
D4	Status of the AAI EOSC Federating Capability (Report)	GÉANT	Aug 2027 (M15)
D5	Onboarded OCRE2024 and NREN Resources in the GÉANT Node (Summary Report)	NREN	Sep 2027 (M16)
D6	Seamless Access between EOSC and EuroHPC Resources at the EOSC Symposium 2027 (Demo)	GÉANT	Nov 2027 (M18)
D7	Building the GÉANT Node (Report)	GÉANT	May 2028 (M24)

8. COMMUNITY ENGAGEMENT

GÉANT confirms the capacity to enable the broader represented community to engage and participate in the EOSC Federation through various options, reflecting the different degrees of EOSC involvement exhibited by GÉANT's NREN members.

The GÉANT EOSC Node will have a gateway function to enable participation of the wider GEANT Community in the growing EOSC Federation. The set-up of the GÉANT Node will reflect the diversity of our members through a variety of options for NRENs to engage with the EOSC Federation. Four modes of NREN engagement have been identified, of which options 2 and 3 can be supported by the GÉANT Node to offer NRENs a “home away from home”. Similar mechanisms have successfully been used in the past for Identity Federations and the first OCRE Framework, when GÉANT national members relied on GÉANT for temporary solutions until they had built the necessary in-house capacity to engage with new activities. There are different opportunities for NRENs to engage with the EOSC Federation:

- **NRENs building up their own national EOSC Nodes**
 - NRENs setting up their Node can be supported by the GÉANT Digital Research Environment to host their Node on the GDRE platform
- **GÉANT Node as Gateway**
 - Service Onboarding: NRENs who are not building up a national EOSC Node, but want to onboard their services to the GÉANT Node (NRENs as EOSC Resource Providers)
 - Redirect: NRENs who are not building up a national EOSC Node and do not want to onboard services, but who want to be represented by the GÉANT Node to receive redirected requests from national EOSC users (NRENs providing resources on-demand).

The options to use the GDRE platform to host a Node or use the GÉANT Node as Gateway are both available to NRENs upon their request, following the GÉANT member-driven approach.

The GÉANT community is engaged through the recurring EOSC NREN Coordination Meetings, which have been taking place every 2-3 months since 2018 for NRENs interested and/or involved in EOSC. The corresponding mailing list is an established communication channel to exchange EOSC news and related knowledge. It includes representatives from 33 GÉANT members. Moreover, eight NRENs are involved in the EOSC4ALL proposal, of which five will deploy EOSC-ready nodes in the course of the project. In due time, these nodes might follow Option 1 and become the national EOSC Node Hosts.

NRENs in EOSC

Of the GÉANT Association, 22 NRENs are members of the EOSC Association, of which 9 NRENs have been appointed as Mandated Organisations to represent national interests. Many NRENs have been involved in various EOSC Association Task Forces, Opportunity Area Expert Groups, and the Board of Directors. Through the GÉANT Community, these NRENs can leverage the knowledge and expertise built up by the members that have already joined or are planning or planning to join the EOSC Federation in the first and second wave.

9. TIMING AND MILESTONES

ID	Milestone Description	Target Delivery Date
M1	Updated Project Charter (Date Delivered)	Jun 2026 (M1)
M2	GÉANT Node Design Document (Date Delivered)	Aug 2026 (M3)
M3	Initial production version of the GÉANT Node ready including the first initial GÉANT services onboarded	Sep 2026 (M4)
M4	Deployment of the PoC GÉANT Node, Clone of the SURF Resource Cloud in the GÉANT Environment (Date)	Oct 2026 (M5)
M5	AAI EOSC Federating Capability technical ready (Date)	Nov 2026 (M6)
M6	Deployment of the GÉANT Node on the basis of the GÉANT DRE Platform (Date)	May 2027 (M15)
M7	First services provisioned through the GÉANT Node (Date)	Sep 2027 (M16)
M8	Integration of OCRE Cloud Resources in GÉANT Node (Date)	Sep 2027 (M16)
M9	Demonstrating Seamless Access Between EOSC and EuroHPC Resources (Date)	Nov 2027 (M18)
M10	Report on Building the GÉANT Node (Date Delivered)	May 2028 (M24)

10. CONTACTS

For the build-up phase of the EOSC Node, GÉANT will commit the five individuals listed in the table below. In addition, GÉANT will continue to engage the NREN community through the recurring EOSC NREN Coordination meetings chaired by Cathrin Stöver and Mark van de Sanden, supported by Tanja Maier.

Mark van de Sanden has been involved in EOSC for several years through activities in many EOSC-related projects (e.g. EOSC-Hub, EOSC Enhance, EOSC Future, DICE, FAIRCORE4EOSC). He has participated in the EOSC-A Architecture WG, the EOSC-A Interoperability TFs, and the EOSC Federation Handbook writing team. He will act as Coordinator during the buildup phase and represent GÉANT in the EOSC Node Coordinators Committee. Mandeep Saini is Head of Information & Technology Services/Deputy COO at GÉANT. She will lead and coordinate the deployment of the GÉANT Node and will participate in the EOSC Node Operators Committee. Alf Moens is Head of Security Products and Services and will be the Cyber Security Officer during the EOSC Federation buildup. The CERT function is operated by the GÉANT SOC team. Therefore, any security-related messages should be communicated with the GÉANT SOC team through the cert@geant.org address. Monique Pellinkhof is Head of Legal at GÉANT and is experienced in counseling and negotiating contractual agreements on the basis of EU law. Rosanna Norman is an experienced Communications Manager who has led communication and dissemination activities for many different projects and conferences.

GÉANT will contribute to the EOSC Federation buildup, with an estimated effort between 2.5–4 FTE, additional efforts will be made available as needed to collaborate in specific working groups and to support cross-node use cases. The contributions of GÉANT to the EOSC Federation buildup will be supported by the EOSC4ALL project, a proposal accepted for the HORIZON-INFRA-2025-01-EOSC-01 call.

Role	Name	Email
Coordinator	Mark van de Sanden	mark.vandesanden@geant.org
Operations Officer	Mandeep Saini	mandeep.saini@geant.org
Cyber Security Officer	Alf Moens	alf.moens@geant.org (cert@geant.org for the GÉANT CERT)
Legal Officer	Monique Pellinkhof	monique.pellinkhof@geant.org
Communications Officer	Rosanna Norman	rosanna.norman@geant.org

Annex

This section includes email from the following Node Coordinators, confirming the intended scope, objective, and timeline of the use case:

- EOSC Node | Finland
- EOSC Node | SURF/Netherlands
- EOSC Node | EUDAT
- EOSC Node | PaNOSC
- EOSC Node | Germany

Email Confirmation EOSC Node | Finland

From: Jessica Parland-von Essen <jessica.parland-vonessen@csc.fi>

Date: Monday, 16 February 2026 at 11:04

To: Mark van de Sanden <mark.vandesanden@geant.org>

Cc: Heidi Laine <heidi.laine@csc.fi>, Tanja Maier <tanja.maier@geant.org>, Josefine Nordling <josefine.nordling@csc.fi>

Subject: Re: Requesting support for multi-node use case on bridging EOSC and EuroHPC resources

Dear Mark,

Thank you, this is an interesting and highly relevant use case. We're happy to support your proposal for the second wave



Jessica

From: Mark van de Sanden <mark.vandesanden@geant.org>

Sent: 16 February 2026 10:24

To: Jessica Parland-von Essen <jessica.parland-vonessen@csc.fi>

Cc: Heidi Laine <heidi.laine@csc.fi>; Tanja Maier <tanja.maier@geant.org>; Josefine Nordling <josefine.nordling@csc.fi>

Subject: Requesting support for multi-node use case on bridging EOSC and EuroHPC resources

Dear Jessica,

I am contacting you as Node Coordinator of the Finnish EOSC Node.

GÉANT is preparing a project charter for the 2nd wave enrollment of the EOSC Federation buildup. As you know, within the project charter we need to propose multi-node use cases.

The aim of this use case is to showcase the synergies between the EOSC Federation and EuroHPC through the EuroHPC Federation Platform (EFP). The EFP is developed by a consortium led by CSC in which GÉANT is responsible for enabling the Federated identity layer and Single-Sign-On (SSO) through MyAccessID. In this use case GÉANT will collaborate with other Nodes to demonstrate a federated and trusted identity domain providing seamless access between services and resources provided through EOSC Nodes and EuroHPC HPC computing sites. In this use case we plan to run a workflow, moving data from an EOSC Node to an EuroHPC HPC system, process the data on the EuroHPC HPC system generating output, storing this output on a EFSS service and analyse the research output through a Jupyter notebook provisioned through an EOSC Node. In this use case also the concept of Dataset-as-a-Service will be explored by offering access to the FAIR dataset while maintained on the EuroHPC computing site.

In this use case GÉANT will focus on enabling the seamless access through the Federated AAI between EOSC and EuroHPC through MyAccessID and collaborates with the following EOSC Nodes:

- EOSC Node Finland, providing access to the LUMI supercomputer for running the processing job, and for creating metadata and publishing the data while in HPC environment (DaaS)
- EOSC Node EUDAT, for storing the research output data and making the data accessible to/from the LUMI supercomputer
- EOSC Node SURF/Netherlands, providing the cloud computing resources to run the

- analysis Jupyter Notebook
- EOSC Node PaNOSC, to run the scientific use case
- EOSC Node Germany, enabling and executing the workflow through the EU Galaxy service across the EOSC Nodes

Because GÉANT is applying for the 2nd wave of enrollment, the aim is to demonstrate this use case during the EOSC Symposium 2027.

GÉANT sees bridging and demonstrating seamless access between EOSC and EuroHPC resources as an important use case, and we kindly ask for your support and contributions. As you might know, as part of the submission for the use case, we would need an email from each Node coordinator where each of the involved coordinators confirms the intended scope, objective, and timeline of the use case.

We appreciate your support in enabling this use case.

Thanks in advance.

Greetz.,
Mark

Mark van de Sanden | Senior manager (Data & Research) | GÉANT | +31622395170 |
mark.vandesanden@geant.org

Email Confirmation EOSC Node | EUDAT

From: Yann Le Franc <yylefranc@esciencefactory.com>

Date: Wednesday, 11 February 2026 at 18:54

To: Mark van de Sanden <mark.vandesanden@geant.org>

Cc: "jos.vanwezel@kit.edu" <jos.vanwezel@kit.edu>, Tanja Maier <tanja.maier@geant.org>

Subject: Re: Requesting support for multi-node use case on bridging EOSC and EuroHPC resources

Dear Mark,

As EUDAT EOSC Node coordinator, I fully support the involvement of our node in the context of this multi-node use case. We are aligned with the intended scope, the objective and timeline of the use-case.

This use-case represents a major opportunity to strengthen our collaboration with GEANT, three national nodes and a research community to better integrate our services together and enable seamless access to computing resources offered by EuroHPC for scientists. This is definitely in line with our strategy to develop the EUDAT EOSC Node.

Thank you for this opportunity.

Looking forward to working with you and best of luck with your application as a node.

All the best,

Yann

Yann Le Franc, PhD
Head of the EUDAT Secretariat
CEO and Scientific Director

On Tue, 10 Feb 2026 at 16:43, Mark van de Sanden <mark.vandesanden@geant.org> wrote:
Dear Yann,

I am contacting you as Node Coordinator of the EUDAT EOSC Node.

GÉANT is preparing a project charter for the 2nd wave enrollment of the EOSC Federation buildup. As you know, within the project charter we need to propose multi-node use cases.

One of the multi-node use cases GÉANT is proposing is to bridge EOSC and EuroHPC, to provide seamless access between EOSC and EuroHPC resources. The use case is built around running a workflow in which:

- Data is moved from an EOSC Node to an EuroHPC supercomputer,
- A processing job is run on the supercomputer generating research output,
- The research output is moved back to an EOSC Node
- A researcher can analyse the data, for example, through a Jupyter Notebook

In this use case, GÉANT will focus on enabling the seamless access through the Federated AAI between EOSC and EuroHPC through MyAccessID. We want to collaborate with the following EOSC Nodes:

- EOSC Node Finland, providing access to the LUMI supercomputer for running the processing job
- EOSC Node EUDAT, for storing the research output data and making the data accessible to/from the LUMI supercomputer
- EOSC Node SURF/Netherlands, providing the cloud computing resources to run the Jupyter Notebook
- EOSC Node PaNOSC, to run the scientific use case
- EOSC Node Germany, enabling and executing the workflow through the EU Galaxy service across the EOSC Nodes

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We appreciate your support in enabling this use case.

Thanks in advance.

Greetz.,
Mark

Mark van de Sanden | Senior manager (Data & Research) | GÉANT | +31622395170 | mark.vandesanden@geant.org

Email Confirmation EOSC Node | SURF/Netherlands

From: Laurents Sesink <laurents.sesink@surf.nl>

Date: Thursday, 12 February 2026 at 09:51

To: Mark van de Sanden <mark.vandesanden@geant.org>

Cc: Ivar Janmaat <ivar.janmaat@surf.nl>, Maarten Kremers <maarten.kremers@surf.nl>, Tanja Maier <tanja.maier@geant.org>

Subject: Re: Requesting support for multi-node use case on bridging EOSC and EuroHPC resources

Dear Mark,

We agree that a bridge between EOSC and EuroHPC is important. We fully support the proposed use case and are willing to contribute.

Best,
Laurents

From: Mark van de Sanden <mark.vandesanden@geant.org>

Date: Tuesday, 10 February 2026 at 16:48

To: Laurents Sesink <laurents.sesink@surf.nl>

Cc: Ivar Janmaat <ivar.janmaat@surf.nl>, Maarten Kremers <maarten.kremers@surf.nl>, Tanja Maier <tanja.maier@geant.org>

Subject: Requesting support for multi-node use case on bridging EOSC and EuroHPC resources

Dear Laurents,

I am contacting you as Node Coordinator of the SURF/Netherlands EOSC Node. GÉANT is preparing a project charter for the 2nd wave enrollment of the EOSC Federation buildup. As you know, within the project charter we need to propose multi-node use cases. One of the multi-node use cases GÉANT is proposing is to bridge EOSC and EuroHPC, to provide seamless access between EOSC and EuroHPC resources. The use case is built around running a workflow in which:

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- A researcher can analyse the data, for example, through a Jupyter Notebook

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We appreciate your support in enabling this use case.

Thanks in advance.

Greetz.,

Mark

Mark van de Sanden | Senior manager (Data & Research) | GÉANT | +31622395170 | mark.vandesanden@geant.org

Email Confirmation EOSC Node | PaNOSC

From: Andrew Gotz <andy.gotz@esrf.fr>

Date: Tuesday, 17 February 2026 at 07:10

To: Mark van de Sanden <mark.vandesanden@geant.org>

Cc: Tanja Maier <tanja.maier@geant.org>

Subject: Re: Requesting support for multi-node use case on bridging EOSC and EuroHPC resources

Hi Mark,

I confirm that the PaNOSC Node is interested in contributing a use case for testing running workflows on EuroHPC as part of the GÉANT multi-node use cases. Thank you for including PaNOSC in this activity.

Kind regards

Andy

From: Mark van de Sanden <mark.vandesanden@geant.org>

Date: Tuesday, 10 February 2026 at 16:55

To: "andy.gotz@esrf.fr" <andy.gotz@esrf.fr>

Cc: Tanja Maier <tanja.maier@geant.org>

Subject: Requesting support for multi-node use case on bridging EOSC and EuroHPC resources

Dear Andy,

I am contacting you as Node Coordinator of the PaNOSC EOSC Node.

GÉANT is preparing a project charter for the 2nd wave enrollment of the EOSC Federation buildup. As you know, within the project charter we need to propose multi-node use cases.

One of the multi-node use cases GÉANT is proposing is to bridge EOSC and EuroHPC, to provide seamless access between EOSC and EuroHPC resources. The use case is built around running a workflow in which:

- Data is moved from an EOSC Node to an EuroHPC supercomputer,
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We appreciate your support in enabling this use case.

Thanks in advance.

Greetz.,
Mark

Email Confirmation EOSC Node | Germany

Dear Mark,

We agree that a bridge between EOSC and EuroHPC is important. We fully support the proposed use case, and we are willing to contribute.

Best,

York Sure-Vetter
Coordinator of EOSC Node Germany

--

Prof. Dr. York Sure-Vetter
Direktor

Nationale Forschungsdateninfrastruktur (NFDI) e.V.
Albert-Nestler-Str. 13
76131 Karlsruhe
Tel. +49 721 988 994 16
Mail york.sure-vetter@nfdi.de
Web www.nfdi.de

Impressum & Datenschutz
<https://www.nfdi.de/impressum-datenschutz/>

