

AAI and PaNOSC

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Membership Association

GÉANT Association supports and represents over 40 NRENs across Europe.

Together we support over 10,000 institutions and 50 million academic users.

























































































September 2019:

101 Roaming Operators
18 Pilots
250+M authentications /

month







September 2019:
66 Federations active
3 Federations with voting rights
8 Federations in process of joining
5666 entities



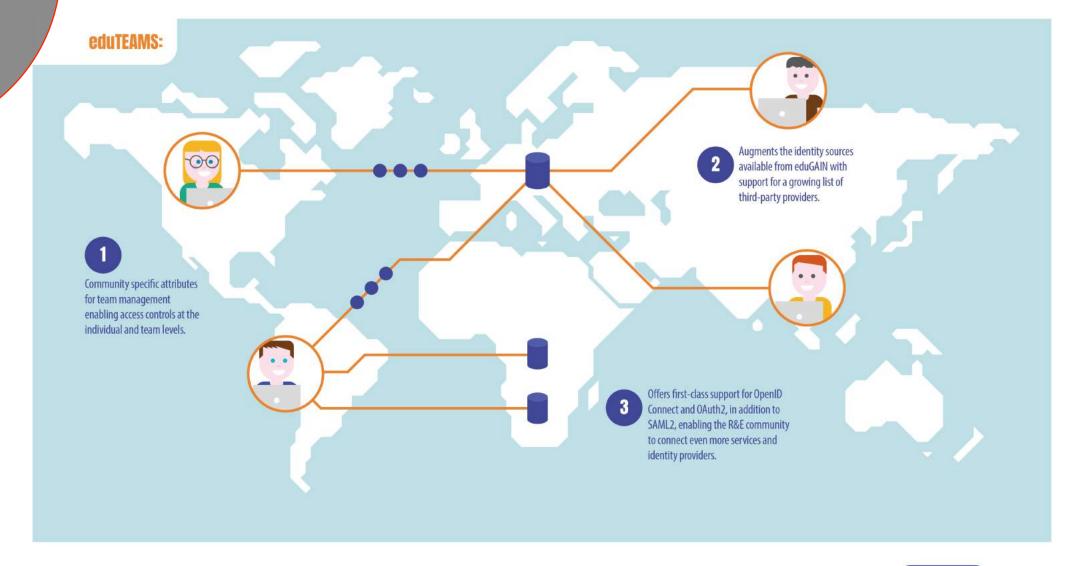


eduTEAMS enables the research and education community to create virtual collaborations and share common resources and services across organizational boundaries.



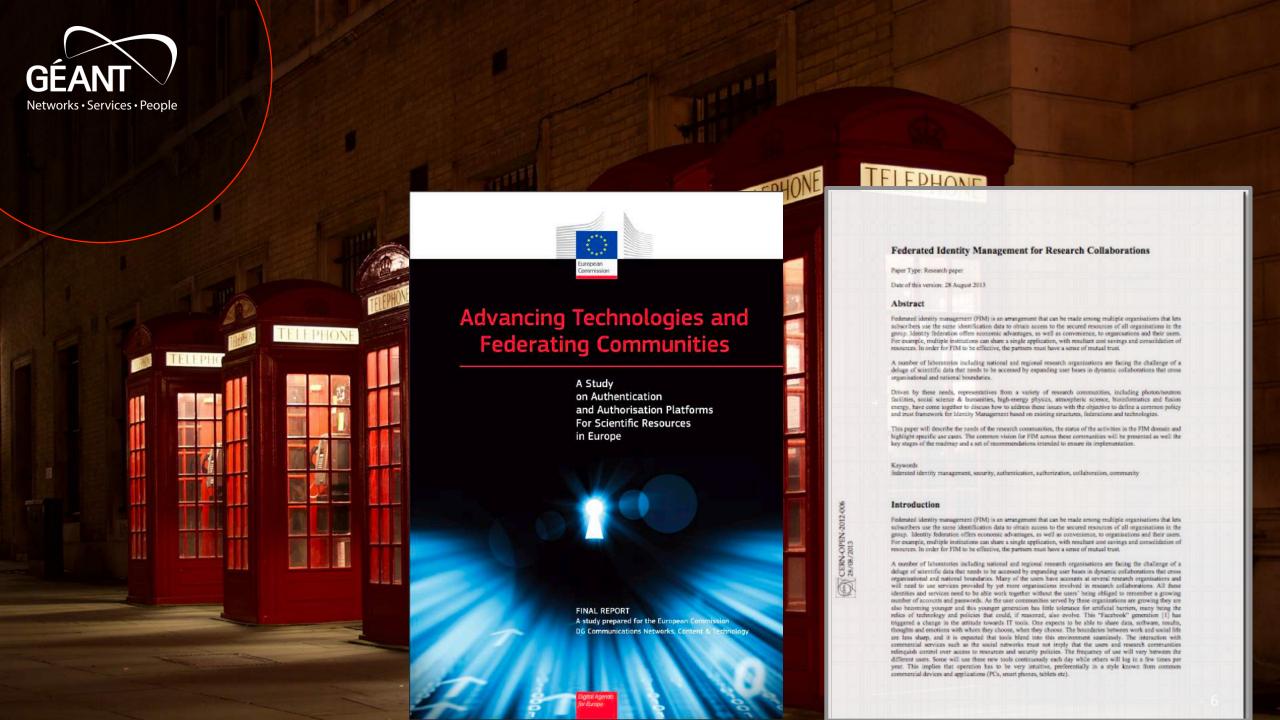




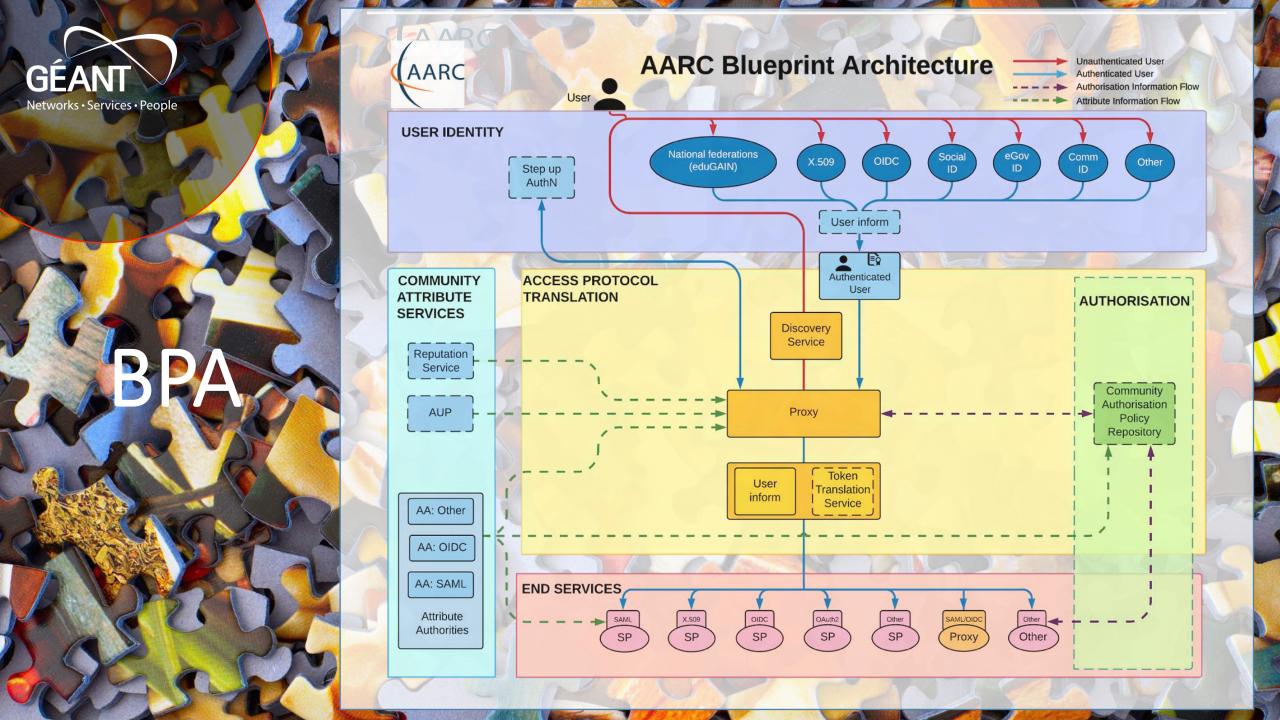






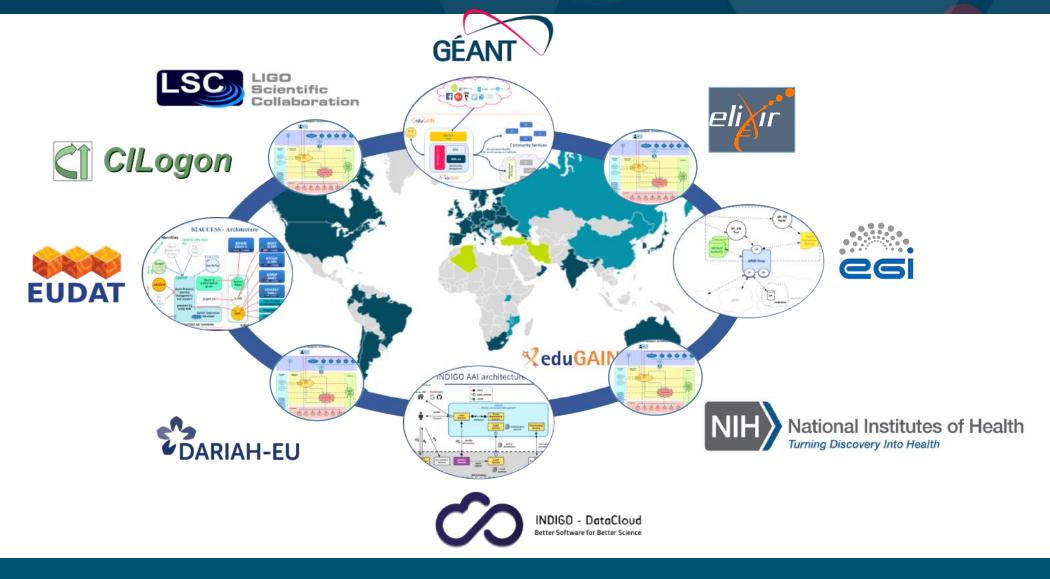






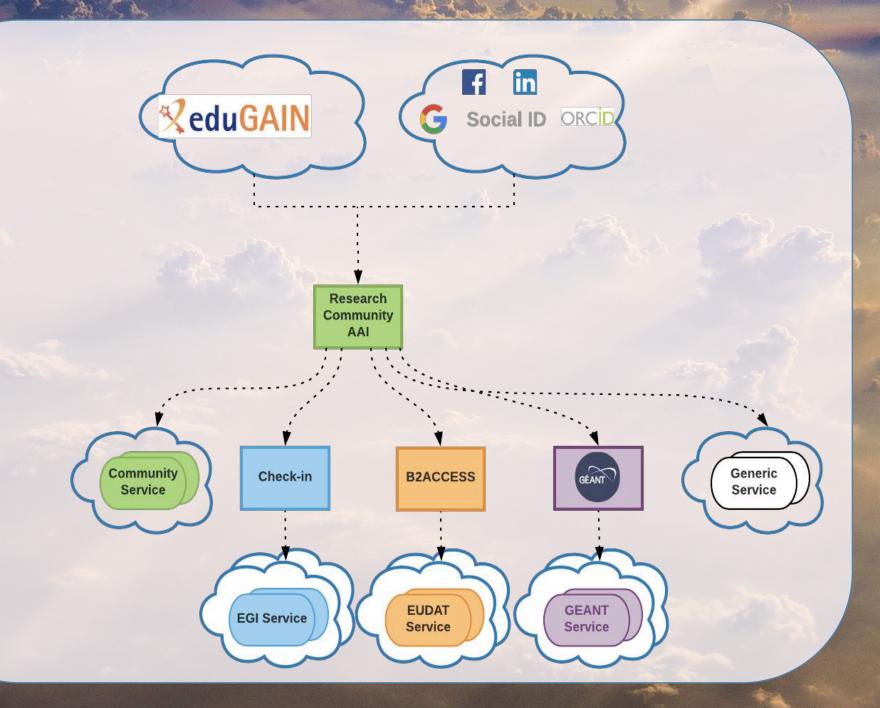
AARC Blueprint Architecture Implementations





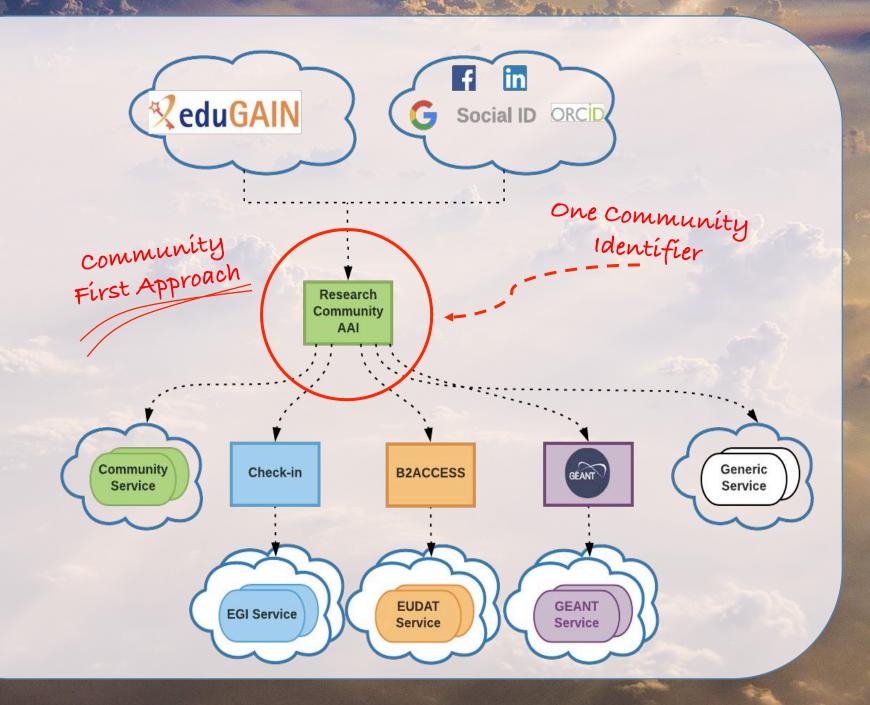


European
Open
Science
Cloud



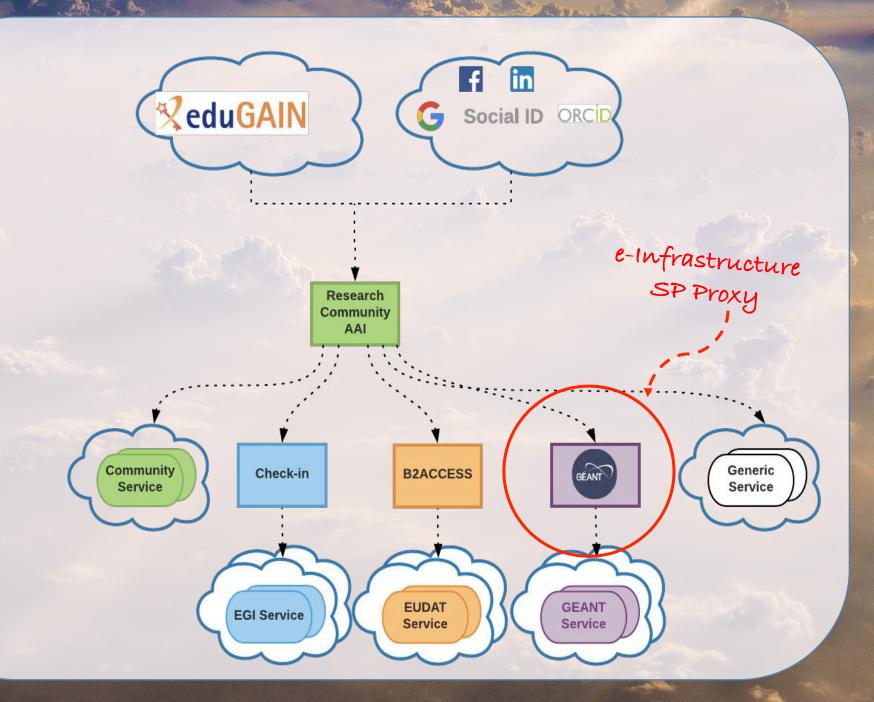


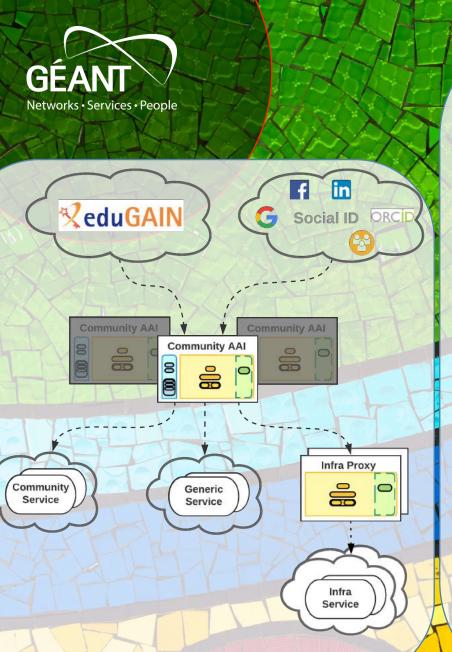
European
Open
Science
Cloud





European
Open
Science
Cloud





Researchers sign in using their institutional (eduGAIN), social or community-managed IdP via their Research Community AAI

Community-specific services are connected to a single Community AAI

Generic services can be connected to more than one Community AAI proxies through eduGAIN

e-Infra services are connected to a single e-infra SP proxy service gateway



Federated Identity Management for Research Collaborations

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This white-paper expresses common requirements of Research Communities seeking to leverage Identity Federation for Authentication and Authorisation. Recommendations are made to Stakeholders to guide the future evolution of Federated Identity Management in a direction that better satisfies research use cases. The authors represent research communities Research Services, Infrastructures, Identity Federations and Interfederations, with a joint motivation to ease collaboration for distributed researchers. The content has been edited collaboratively by the Federated Identity Management for Research (FIM4R) Community, with input sought at conferences and meetings in Europe, Asia and North America.

The authors also acknowledge the support and collaboration of many other colleagues in their respective institutes, research communities and IT Infrastructures, together with the funding received by these from many different sources. These include but are not limited to the following: (i) The Worldwide LHC Computing Grid (WLCG) project is a global collaboration of more than 170 computing centres in 43 countries, linking up national and international grid infrastructures. Funding is acknowledged from many national funding bodies and we acknowledge the support of several operational infrastructures including EGI, OSG and NDGF/NeIC. (ii) EGI acknowledges the funding and support received from the European Commission and the many National Grid Initiatives and other members. EOSC-hub receives funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 777536. (iii) The work leading to these results has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 730941 (AARC2). (iv) Work on the development of ESGF's identity management system has been supported by The UK Natural Environment Research Council and funding from the European Union's Seventh Framework Programme for research, technological development and demonstration through projects IS-ENES (grant agreement no 228203) and IS-ENES2 (grant agreement no 312979). (v) Ludek Matyska and Michal Prochazka acknowledge funding from the RI ELIXIR CZ project funded by MEYS Czech Republic No. LM2015047. (vi) Scott Koranda acknowledges support provided by the United States National Science Foundation under Grant No. PHY-1700765, (vii) GÉANT Association on behalf of the GN4 Phase 2 project (GN4-2). The research leading to these results has received funding from the European Union's





March 13th 2018

Subject: Letter of Support to PaNOSC from GÉANT

To: Andrew Gotz

PaNOSC Project Coordinator

ESRF

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Dear PaNOSC project coordinator,

On behalf of GÉANT, I am writing to express our support for the project "Photon and Neutron Open Science Cloud" - PaNOSC. GÉANT commits to work together with the PaNOSC project partners to help scope their AAI requirements, design and deploy a sustainable AAI that meets those requirements and ensures the secure integration of the PaNOSC services in EOSC.

GÉANT is a key e-infrastructure in Europe; GÉANT delivers the pan-European GÉANT network for scientific excellence, research, education and innovation. GÉANT also operates pan-European identity infrastructures such as eduroam and eduGAIN. Through its integrated catalogue of connectivity, collaboration and identity services, GÉANT provides users with highly reliable, unconstrained access to computing, analysis, storage, applications and other resources, to ensure that Europe remains at the forefront of research.

With kind regards,

UmbrellaID.org



Facts

- Started out in 2012 as a collaboration between the main European analytical user facilities in the field of research using photons and neutrons (PaN facilities)
- Over 1000 users providing services to 16 European organisation

Objectives

- Provide a common Authentication and Authorization Infrastructure that allows users of all PaN facilities to connect seamlessly to digital facility services with a single and unique ID.
- Authorization should remain in full control of each facility providing the services
- Users should be in full control of their personal data

UmbrellaID.org | **Goals in PaNOSC**

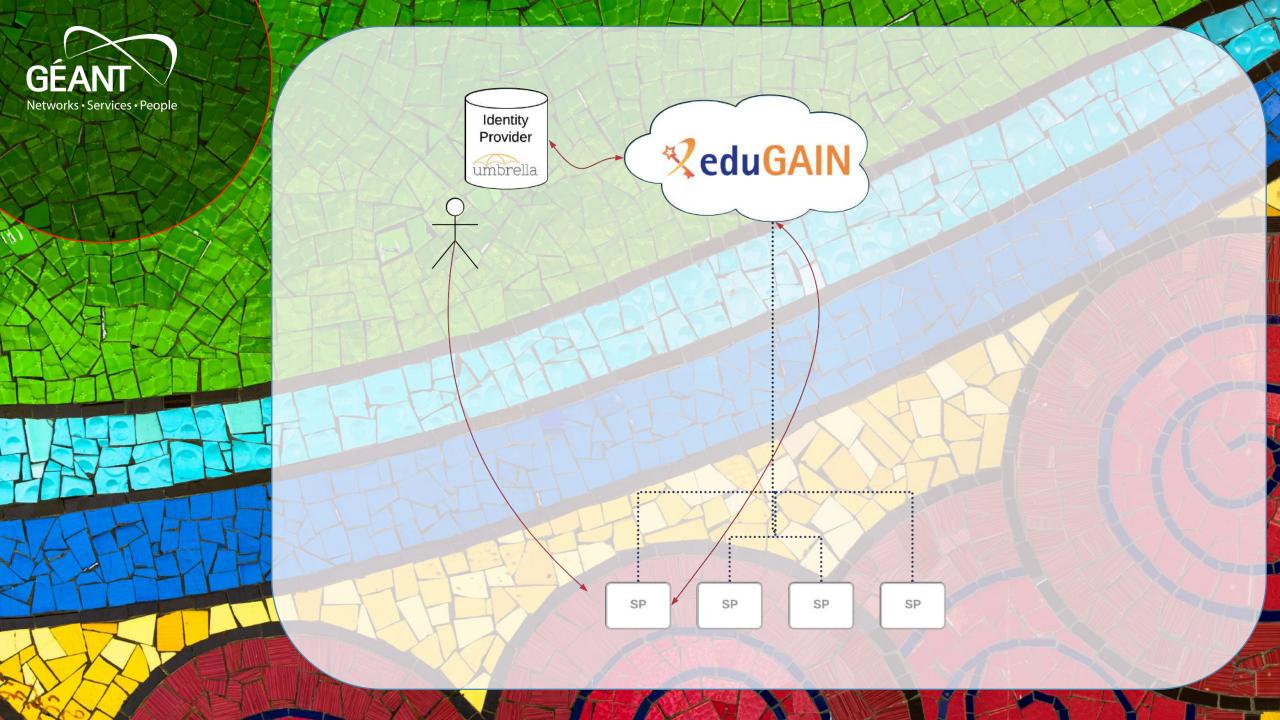


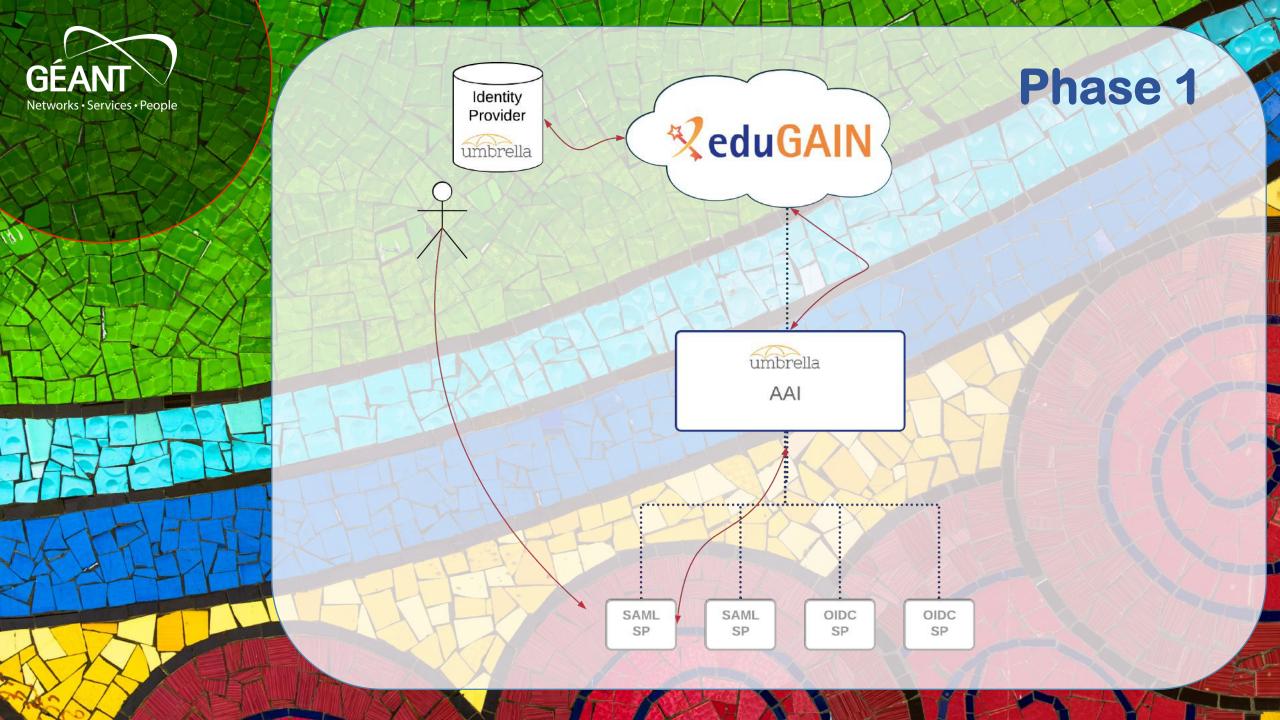
Increase capacity to respond to users' needs in a stable, secure and trusted environment

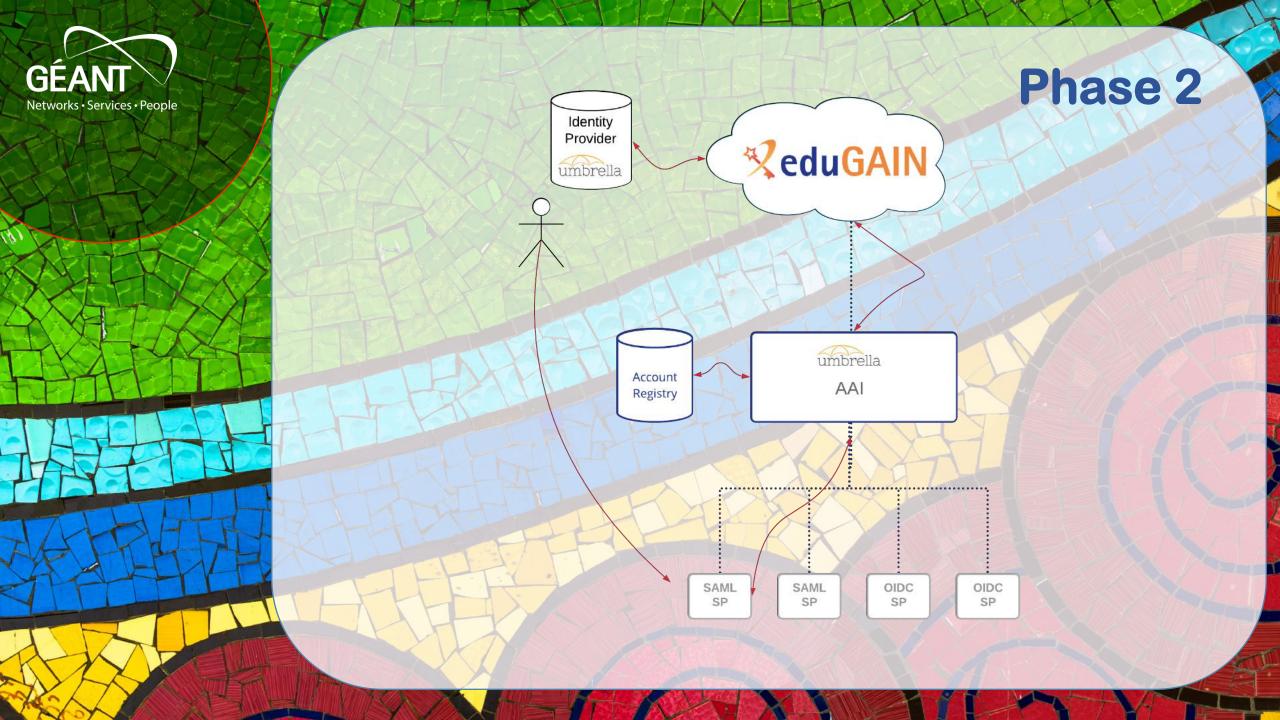
Cater from the growing security constraints and legal requirements

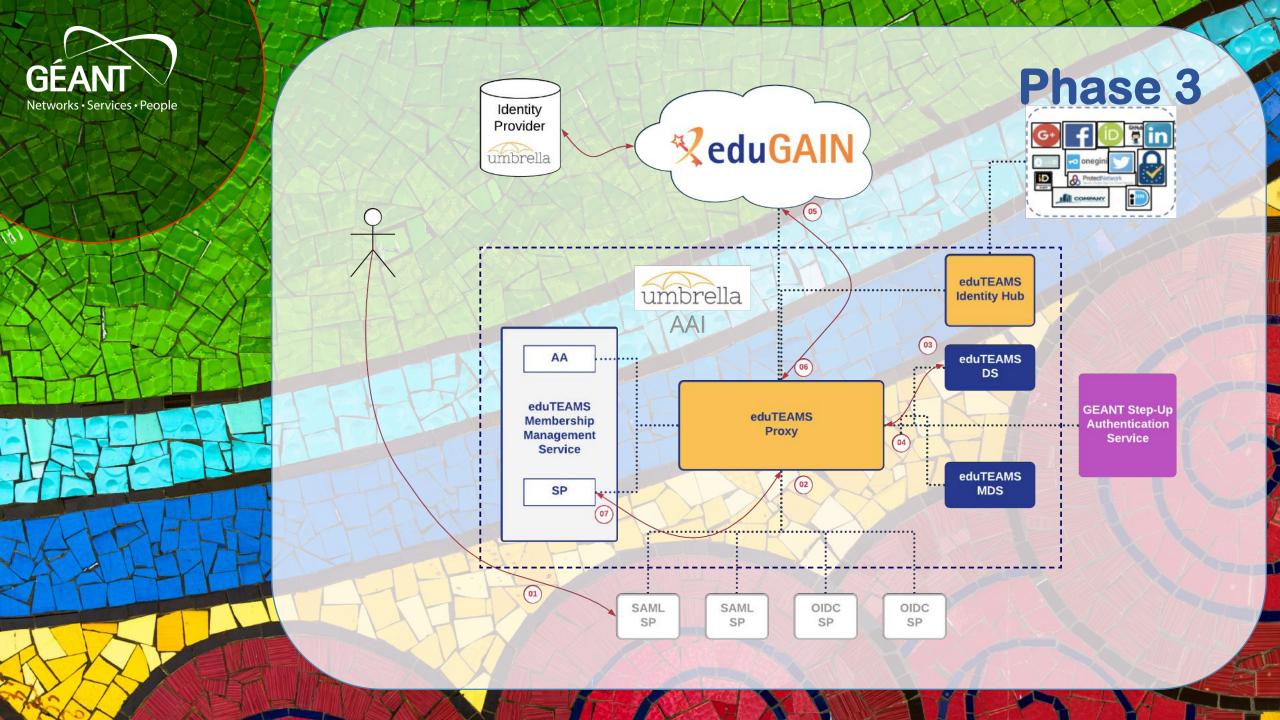
Global and comprehensive interoperability with services outside of the Photon and Neutron domain

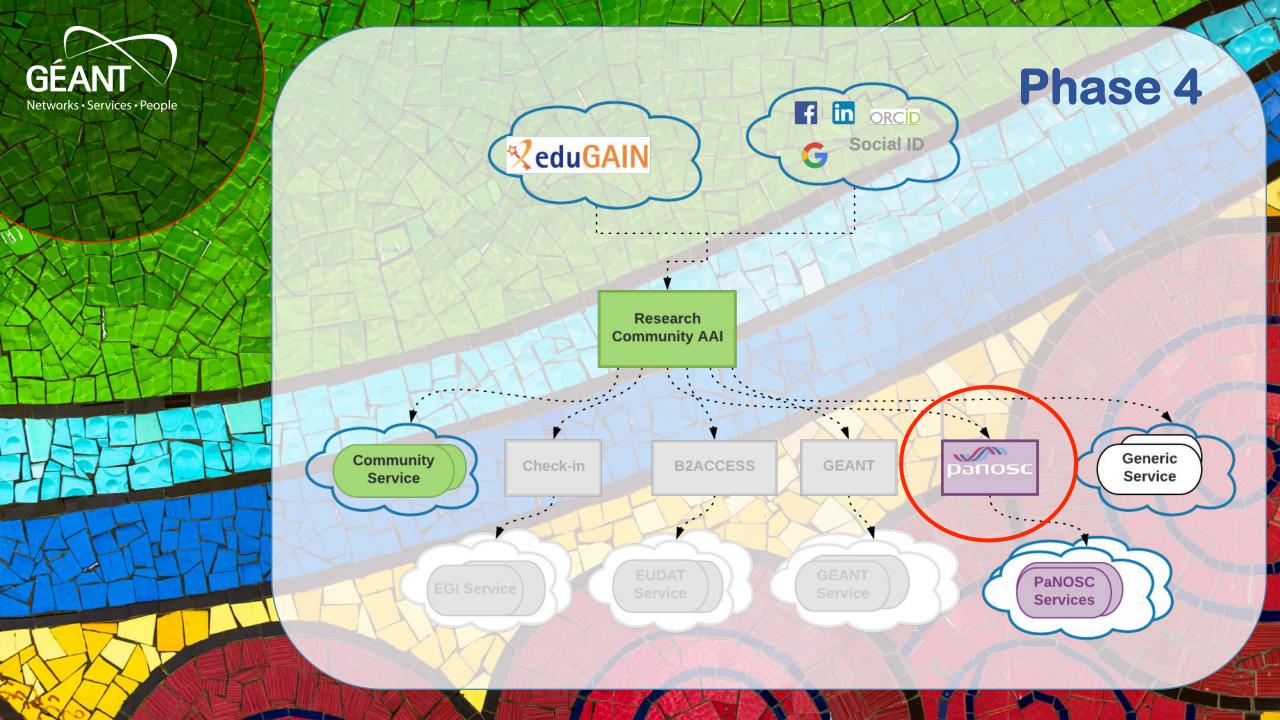
Access to the European Open Science Cloud











Thank you

