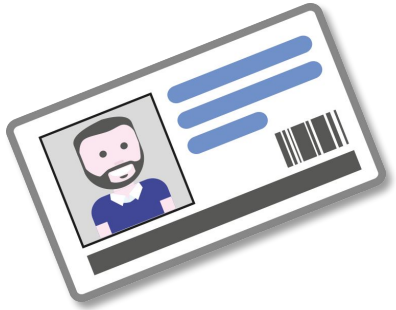
Overview of the Trust and Identity Services

September 2021

© GÉANT Association
As part of the GÉANT 2020 Framework Partnership Agreement (FPA), the project receives funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 856726 (GN4-3).

What is Trust & Identity?

Explore, innovate, evolve



TRUST + **IDENTITY** = **ACCESS**

WP5 Role in the wider T&I ecosystem

AAI recognised as an important infrastructure

Supports student mobility

Impact of the AARC project and AEGIS

EOSC developments

Supports access to RIs

eIDAS

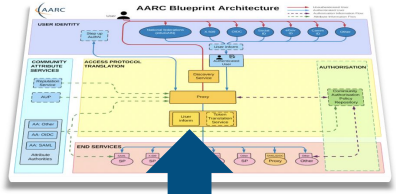
EuroHPC

OCRE and commercial academic offerings

T&I service portfolio

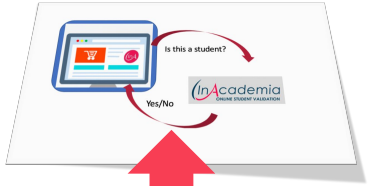
The big picture

eduTEAMS



Support virtual teams and share resources

InAcademia
ONLINE STUDENT VALIDATION



Offering a validation service based on the “studentness”

Widening scope with OpenRoaming

eduGAIN

eduroam

haka · SWITCHaai · cafe · The UK Access Management Federation · grnet · SWAMID · arnes · SIR · COFRE Comunidad Federada REUNA · confia · RCTSaai · GakuNin · TAAT · Carsi · MiNGA · FEIDE · SURF CONEXT · Belnet R&E Federation · WAYF Where are you from · eduID · SIEULAN · Colfire · LAIFE · InCommon · aconet · FIRE · RENATER CONNECTEUR DE SAVOIRS · idem garr aai · DFN-AAI · AUSTRALIAN ACCESS FEDERATION · Edugate · Tuakiri · eduID.cz · AAI @EduHr

eduroam

GÉANT

European RADIUS server

Supporting Tools

Global Policy

National Roaming Operator

National RADIUS server

National Policy

R&E Institution

RADIUS Auth. Infrastructure

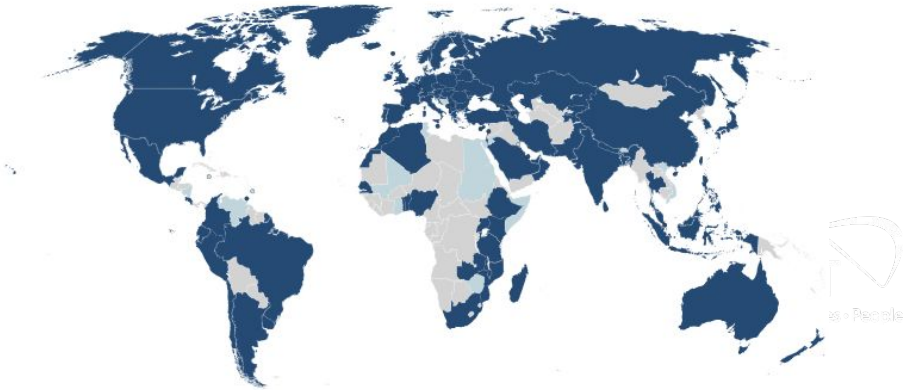
Identity Management

WiFi

User

Can access eduroam in 106 countries

Access to thousands of eduroam WiFi locations worldwide, with R&E institutional identity



#love2eduroam

European RADIUS top-level servers in NL and DK

eduroam Core Services

eduroam Service Definition and European Policy

eduroam Policy Suite

eduroam Database

eduroam Managed IdP

eduroam Installers

eduroam Managed SP

Metrics and Monitoring

eduroam Support

eduroam Supporting Services

eduGAIN

GÉANT
Networks • Services • People

GÉANT

Global Metadata Service

Supporting Tools

Global Policy

Identity Federation

National Metadata Service

National Policy

R&E Institution

SAML Auth Infrastructure

Identity Management

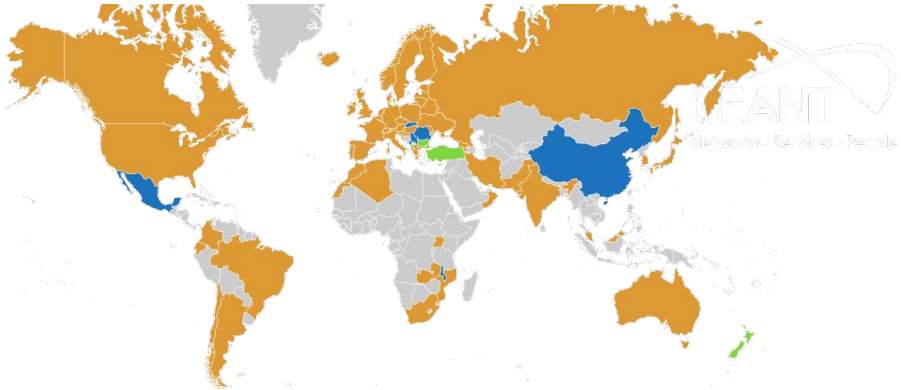
Web Service

User

Can use over 2900 Web services

10th Anniversary

Access to thousands of WebSSO services available via eduGAIN, with R&E institutional identity



eduGAIN services

Metadata Service and Validator

eduGAIN Core Services

eduGAIN Policies and Technical Profiles

eduGAIN Policy Suite

eduGAIN database

eduGAIN reporting

Technical site with supporting tools

eduGAIN F-ticks

eduGAIN support

eduGAIN security team

Federation as a Service

eduGAIN supporting services

eduTEAMS

GÉANT
Networks • Services • People

GÉANT

AAIaaS

Shared Dedicated Bespoke

Research collaborations or NRENs

Manages groups

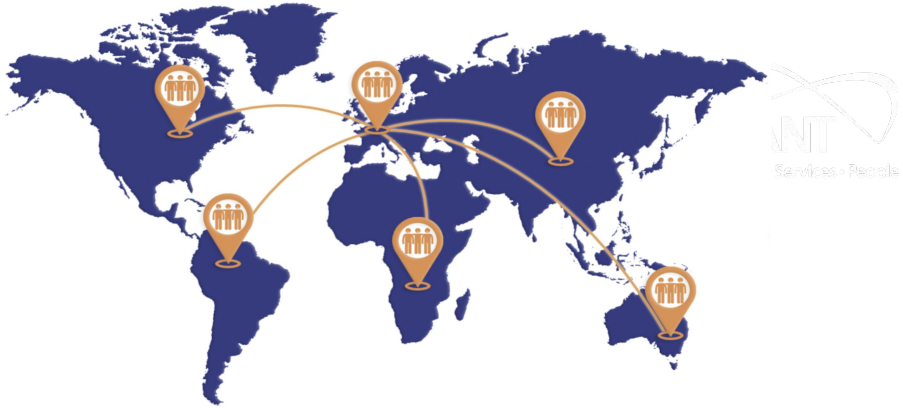
Connects services

Manages access

Users

Federated access to research resources

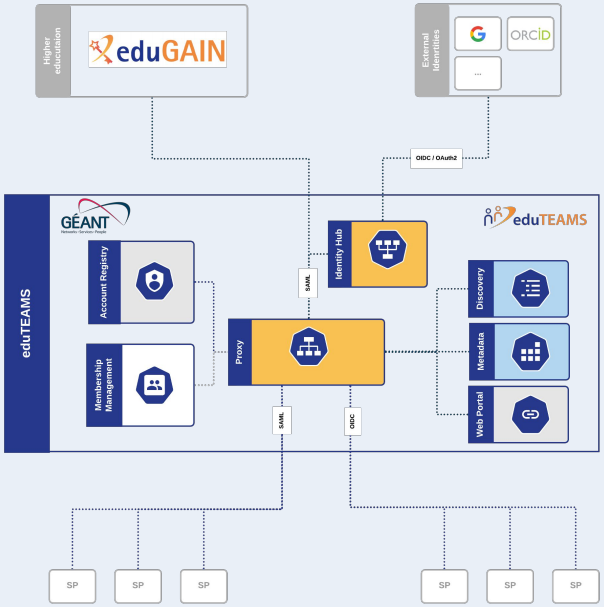
Implements AARC Blueprint Architecture and expands eduGAIN to support virtual team sharing of resources



eduTEAMS

Managing virtual teams made easy

GÉANT
Networks • Services • People



Based on AARC Blueprint Architecture

Connects eduGAIN and other trusted Identity Providers

Users sign in to services with their **community identity** via eduTEAMS

Users **register once and access any service** (available to the their community)

Reduces complexity for Service Providers by providing **one integration point for all services**

Solution for **RIs**, **GÉANT, OCRE**, **EOSC**, Student Mobility, EuroHPC and other communities

eduTEAMS Service
Shared platform that can be used by small- to medium-size communities and the long tail of science

eduTEAMS Dedicated
Dedicated, white-label service offering, specific to a community

eduTEAMS Bespoke
For communities that need tailor-made functionalities (i.e. integration with other tools)

InAcademia
ONLINE STUDENT VALIDATION

GÉANT
Networks • Services • People

The real-time, digital equivalent of asking a student to show their student card to access or buy discounted or specialist services and products

GÉANT

SaaS to validate "studentess"

Community Governed

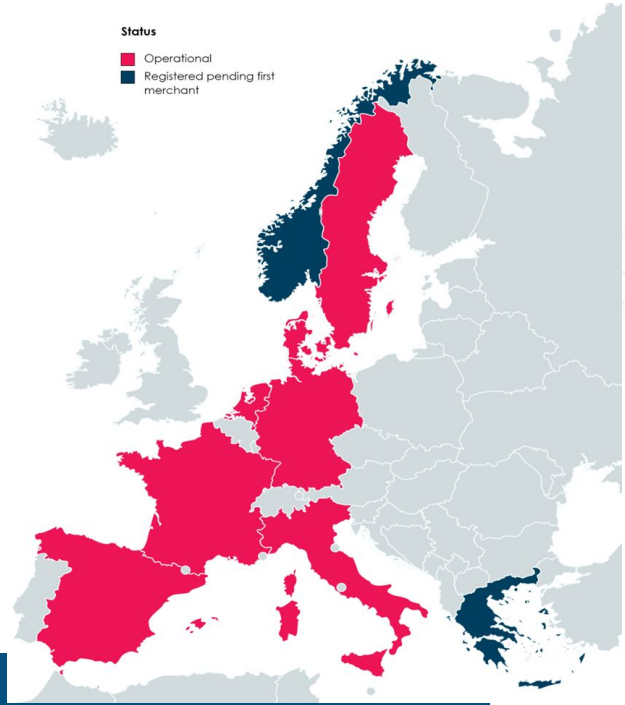
Merchants

OIDC Auth Infrastructure

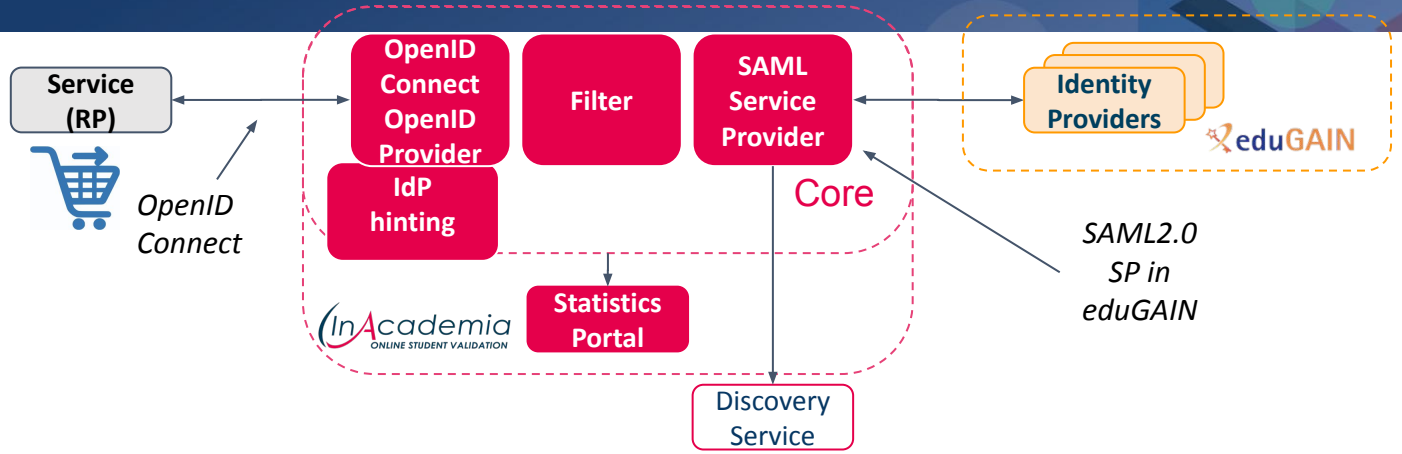
Student tailored offerings

Students

Can make use of student tailored offerings, without disclosing any additional privacy details



Technology



Reduces burden for IdPs and identity federations

Support and connect merchants

Source of income for T&I

Designed to support Identity Federations and eduGAIN to achieve sustainability

Lighter-weight option for service providers (SPs)

Quick, reliable and secure way to verify academic identities

Privacy by design to protect end users

Helps with GDPR compliance