

# Overview of the Trust and Identity Services

September 2021



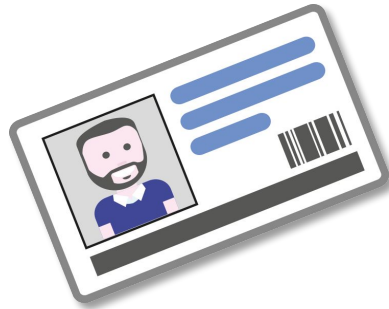
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**Please also  
use the chat  
for questions**

# What is Trust & Identity?

*Explore, innovate, evolve*



**TRUST**

**+**

**IDENTITY**

**=**

**ACCESS**

**AAI recognised as an important infrastructure**

**Supports student mobility**

**Impact of the AARC project and AEGIS**

**EOSC developments**

**Supports access to RIs**

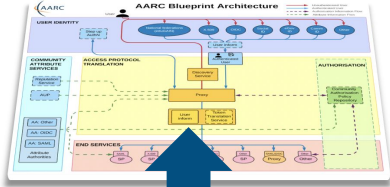
**eIDAS**

**EuroHPC**

**OCRE and commercial academic offerings**

# T&I service portfolio

The big picture



Support virtual teams and share resources

Offering a validation service based on the "studentness"

Widening scope with OpenRoaming



**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

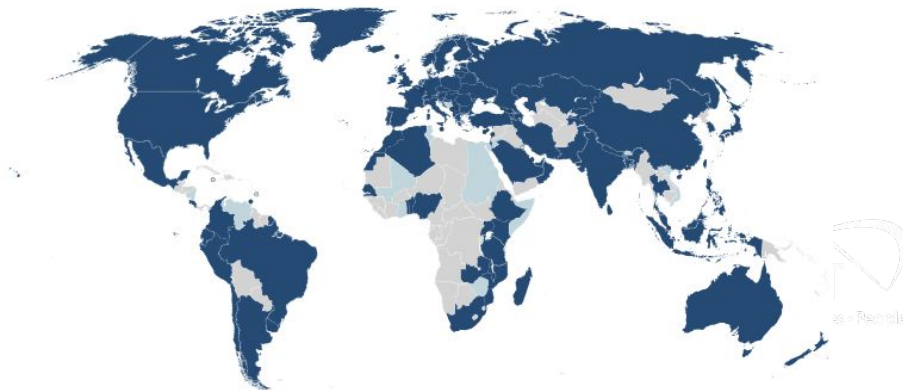


**User**



Can access eduroam in  
106 countries

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



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

**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



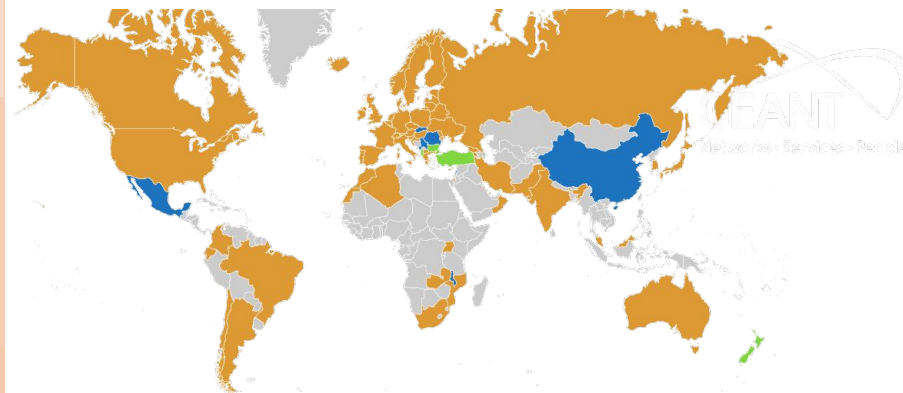
**User**



Can use over 2900 Web services

**10<sup>th</sup> Anniversary**

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





Metadata Service and Validator

eduGAIN Core Services

eduGAIN Policies and Technical Profiles

eduGAIN Policy Suite

eduGAIN database

Technical site with supporting tools

eduGAIN support

eduGAIN security team

eduGAIN supporting services

eduGAIN reporting

eduGAIN F-ticks

Federation as a Service

**GÉANT**

AAIaaS

Shared

Dedicated



**Research  
collaborations  
or NRENs**

Manages  
groups



Connects  
services



Manages  
access



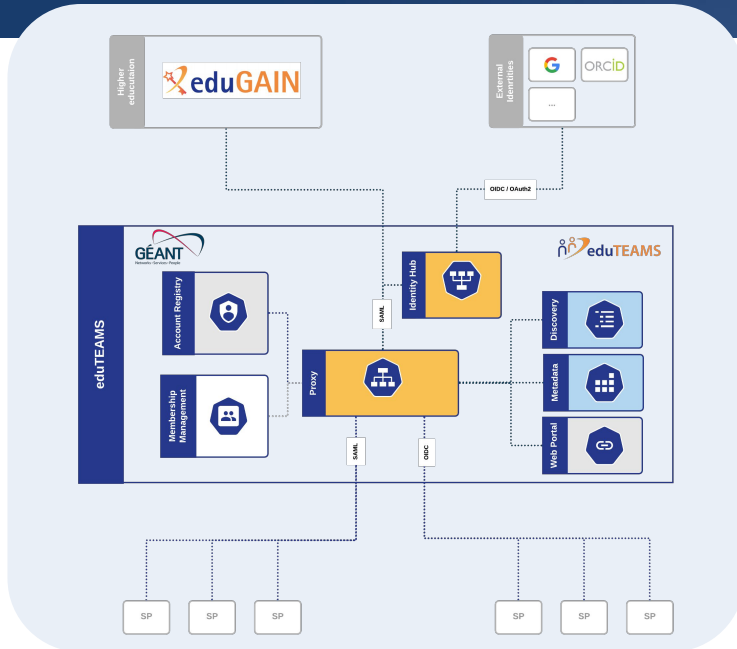
**Users**



Federated access to  
research resources

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





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)

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



OIDC Auth  
Infrastructure



Student tailored  
offerings



**Merchants**

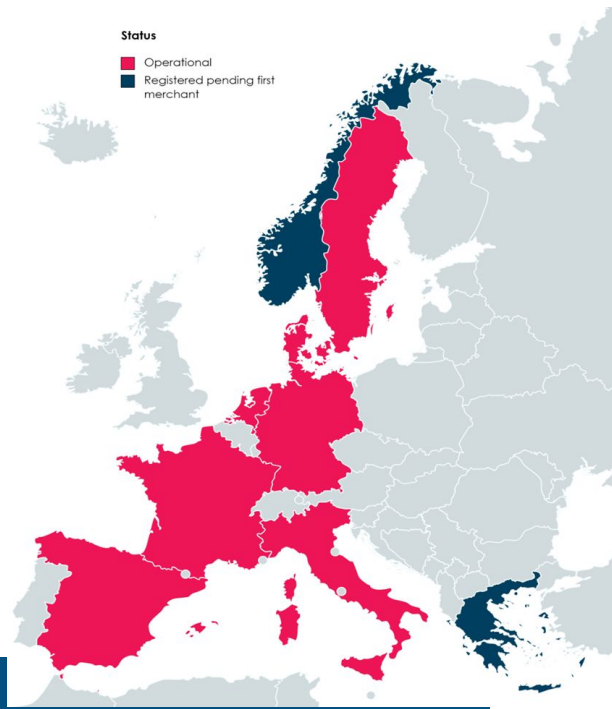
**Students**

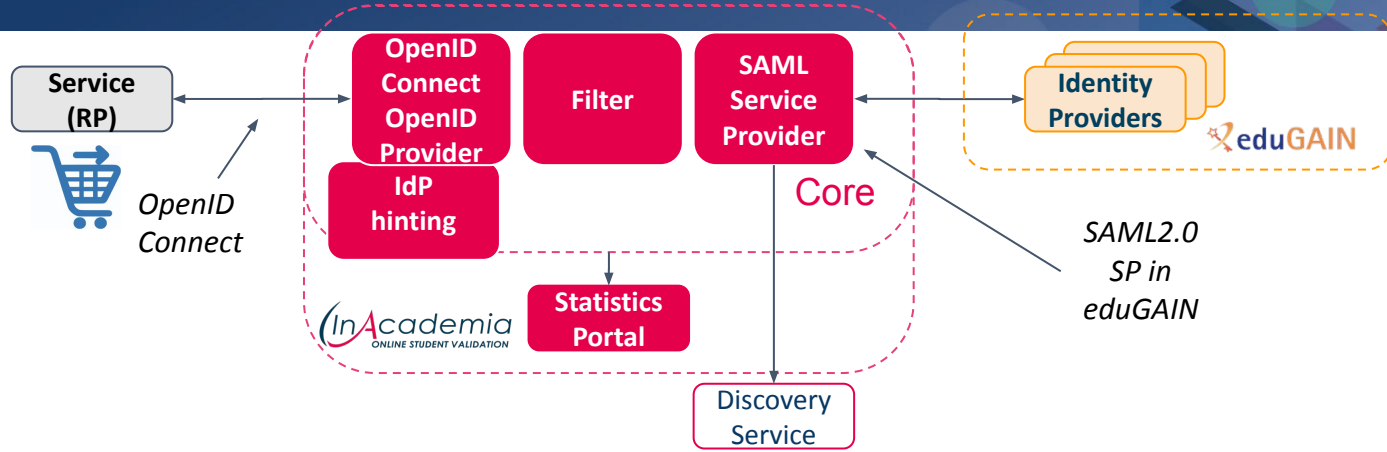


Can make use of student  
tailored offerings,  
without disclosing any  
additional privacy details

Status

- Operational
- Registered pending first merchant





**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