

The AARC Blueprint Architecture

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International Research Collaborations



- 1. Users should be able to access the <u>all services</u> using the **credentials from their Home Organizations** when available.
- 2. Secure integration of **guest identity solutions** and **support for stronger authentication mechanisms** when needed.
- 3. Access to the various services should be granted based on the role(s) the users have within the collaboration.
- 4. Users should have one **persistent identity across all community services** when needed.
- 5. **Ease of use for users and service providers.** The complexity of multiple IdPs/Federations/Attribute Authorities/technologies should be hidden.



Identity & Access Management for International Research Collaborations

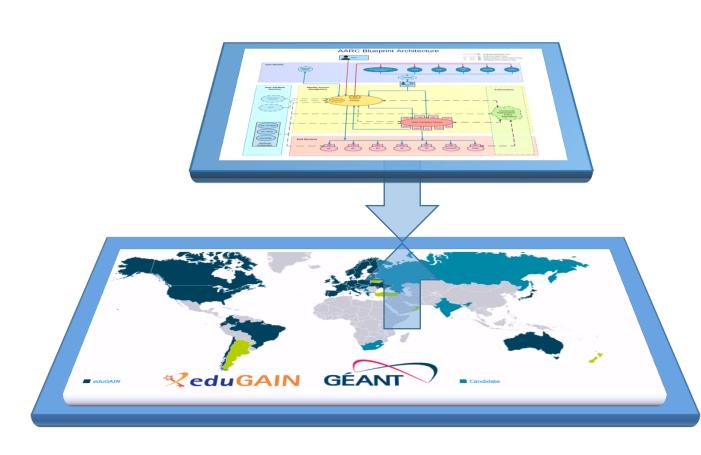


A Blueprint Architecture for authentication and authorization

A set of architectural building blocks on top of eduGAIN

eduGAIN and the Identity Federations

A solid foundation for federated access in Research & Education



Identity & Access Management for International Research Collaborations

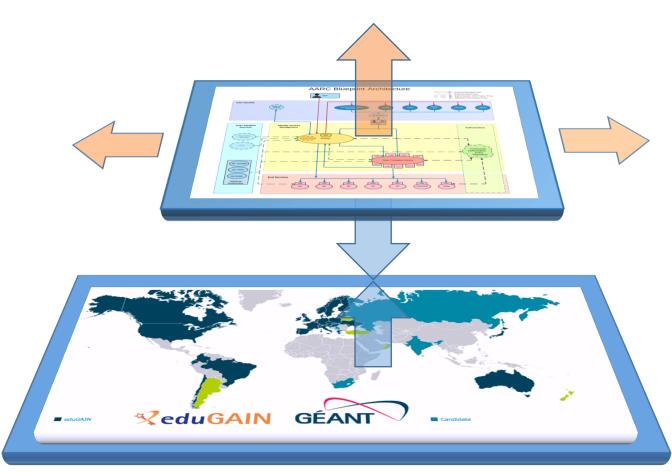


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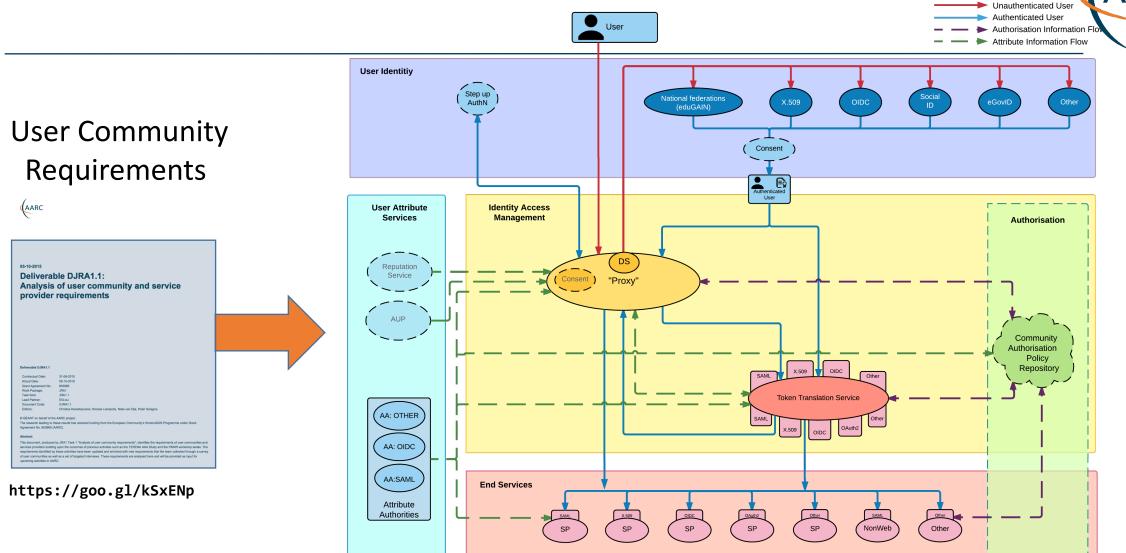
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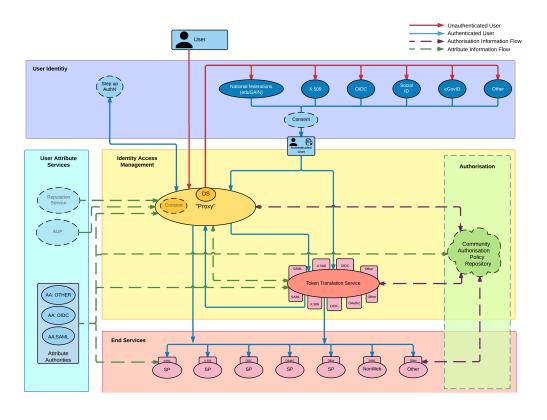


https://aarc-project.eu/roadmap/blueprint-architecture/

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Guidelines and support documents

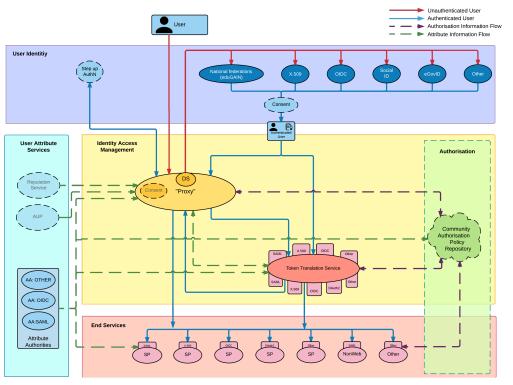
- Best practices for managing authorisation
- Expressing group membership and role information
- Scalable attribute aggregation
- Implementation of token TTS
- Credential delegation
- Non-web access
- Social media IdPs
- Use cases for account linking
- Use cases for LoA elevation via step-up authentication



AARC Blueprint Architecture



https://aarc-project.eu/blueprint-architecture/



Policy recommendations & frameworks

- Security Incident Response Trust Framework for Federated Identity – Sirtfi
- Scalable Negotiator for a Community Trust Framework in Federated Infrastructures – Snctfi
- Recommendations on Minimal Assurance Level Relevant for Low-risk Research Use Cases
- Differentiated LoA recommendations for policy and practices of identity and attribute providers
- Recommendations and template policies for the processing of personal data by participants in the pan-European AAI

AARC Blueprint Architecture & Requirements



Deliverable DJRA1.1:
Analysis of user community and service provider requirements

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Diverable DJRA1.1

Consolation (St. 1992)

Attribute Release

Attribute Aggregation User Friendliness SP Friendliness

Persistent Unique Id Credential translation

Credential Delegation

User Managed Information

Levels of Assurance

Guest users

Step-up
AuthN

Best Practices

Community based AuthZ

Non-webbrowser

Social & e-Gov IDs Incident Response

Thank you Any Questions?



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