

# Authentication and Authorisation for Research and Collaboration

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National Identity Federations for Research and Education have been globally emerging during the last decade together with a growing interest from different research communities in using federated access. Some challenges though still prevent the wide usage of this approach. The lack of seamless integration for example among the different AAI's operated by the various research collaborations and e-Infrastructures and the non-ubiquity of federated credentials and policy challenges are hindering the sharing of knowledge across the European and global research collaborations.

The AARC project addresses these challenges of interoperability and is driven by the principle to support the collaboration model across institutional and sectorial borders and to advance mechanisms that will improve the experience for users and guarantee their privacy and security.

The concept behind AARC is to build on existing AAI's used in the R&E sector, to analyse them in light of user requirements, integration aspects and security, and to design, test and pilot missing components and integrate them with existing working flows.

More over AARC aims at creating the conditions to allow identity to become a core element of e-infrastructures, as has been the case for network connectivity for many years already and at harmonising policies among e-Infrastructures to make it easy for resources and services providers to offer their services on a cross-border and cross-organisation basis.

The first part of the work has therefore been focus on collecting the community's requirements based on which develop a training package to support the uptake of federated access and a possible architecture to integrate existing AAI used in the R&E sector to enable access to services across different R&E infrastructures;

This presentation will provide an overview of the project and the results achieved so far in the training development and the design of the architecture as well as the adoption of common best practices and the deliver of related pilots.

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