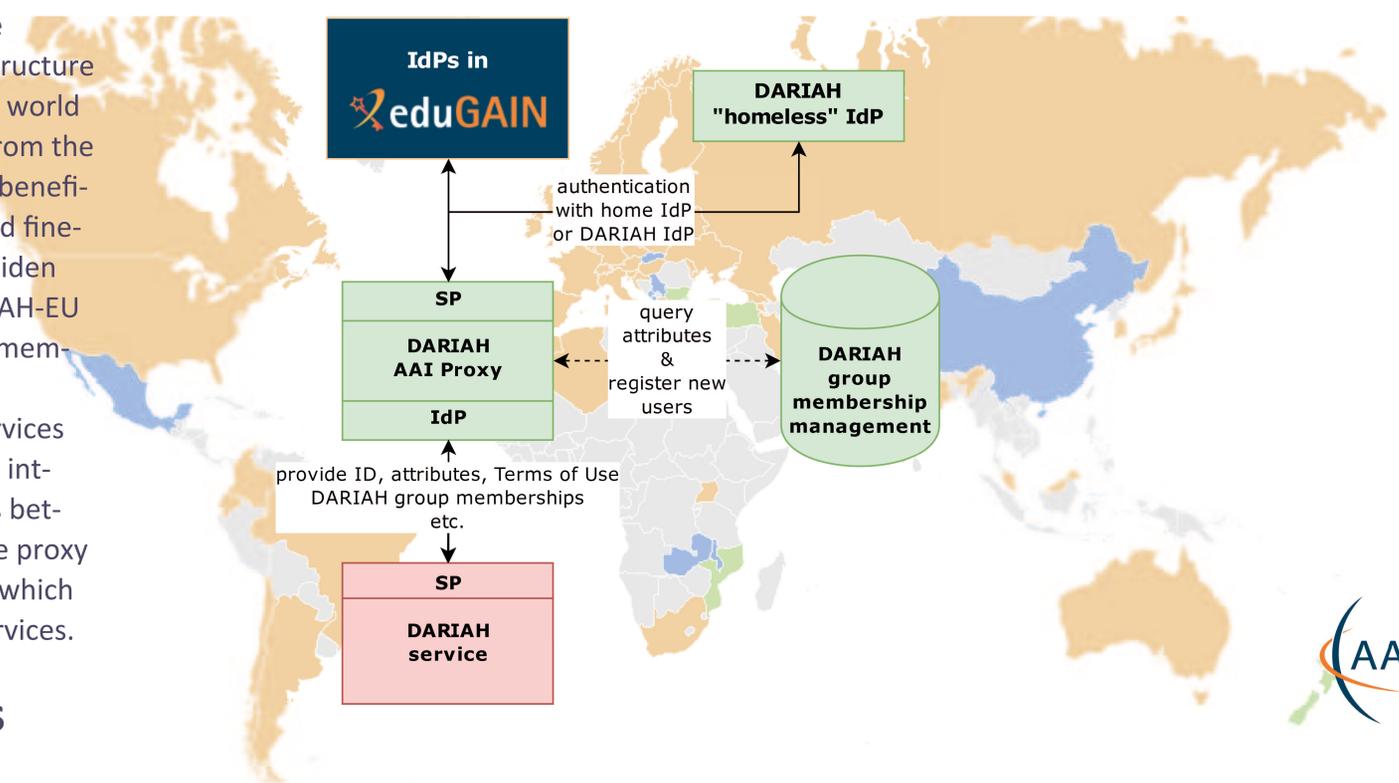


## Easy Federated Identity Management with DARIAH AAI 2.0

### Motivation

Since 2012 DARIAH-DE runs a productive Authentication and Authorization Infrastructure (AAI) that allows researchers around the world to authenticate with an account either from the home institution or from DARIAH, while benefiting from a Single Sign-On experience and fine-grained authorization mechanisms. To widen the usage of this infrastructure the DARIAH-EU WG FIM4D invites and helps all DARIAH members to integrate their services. In the past, it was difficult to connect services to the DARIAH AAI. In mid 2018, DARIAH introduced a central AAI proxy that brokers between DARIAH services and eduGAIN. The proxy took over many tasks from the services, which makes it much easier to connect new services.

### Overview DARIAH AAI



### Connecting Services to DARIAH

Key features the AAI proxy gives to DARIAH:

- Almost any SAML Service Provider (SP) library can be used in an application
- No registration of the SP in a federation needed anymore - just exchange SAML metadata with the proxy
- The proxy ensures Identity Provider (IdP) Discovery and the connection to eduGAIN
- It provides a service with all IdP attributes, plus information from the central DARIAH directory

### DARIAH AAI Proxy

The DARIAH AAI Proxy is based on the open source *Shibboleth* IdP and SP software. It implements the *Blueprint Architecture* of the Horizon 2020 AARC project and consists of

- an IdP component that is connected to DARIAH Services, and of
- an SP component that is connected to all IdPs in eduGAIN.

These two components are strung together, such that the AAI proxy forwards all data from eduGAIN IdPs on to DARIAH SPs.

### Not just a Proxy

Besides just forwarding IdP attributes, the DARIAH AAI proxy does a bit more to ensure DARIAH needs:

- Check if an eduGAIN user is registered in the DARIAH directory, and send her to DARIAH SelfService
- Check the DARIAH and possible Service-specific Terms of Use have been accepted
- Enrich IdP attributes with central authorization group information to be used for access control in services

- Register users that authenticate via the eduGAIN meta-federation
- Let users agree to the general DARIAH and specific service Terms of Use
- Manage user's data in DARIAH
- Manage central authorization groups which services can use for access control
- For users that do not have an eduGAIN IdP: apply for DARIAH accounts and manage passwords



Visit [wiki.de.dariah.eu/display/publicde/DARIAH+AAI+Documentation](http://wiki.de.dariah.eu/display/publicde/DARIAH+AAI+Documentation) or contact [register@dariah.eu](mailto:register@dariah.eu).

### DARIAH SelfService

Visit the DARIAH SelfService that works together with the proxy at [auth.de.dariah.eu](http://auth.de.dariah.eu).

### Das DARIAH-DE-Konsortium:



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