CLARIN AAI and DARIAH AAI Interoperability

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Abstract

1. CLARIN and DARIAH and CLARIAH

2. Authentication & Authorization Infrastructures (AAI) and AARC

3. CLARIN AAI

4. DARIAH AAI

5. Interoperability – Achieved and Challenges

6. Interoperability – Future

CLARIN, DARIAH, CLARIAH

- In Germany both humanities ESFRIs, CLARIN and DARIAH had been funded separately (DARIAH-DE and CLARIN-D)

  - On technical infrastructure level, these two national projects co-operated from the beginning

  - Especially in the field of AAI, DARIAH-DE also co-operated with CLARIN-EU on technical and political level

- Now they have merged to CLARIAH-DE

# Authentication and Authorization Infrastructures

- National Research and Education Networks built AAI Federations, based on OASIS SAML standard

- AAI Federation establishes Trust between

  - Organisations using Identity Providers (IdPs) and
  - Online Resources protected by Service Providers (SPs)
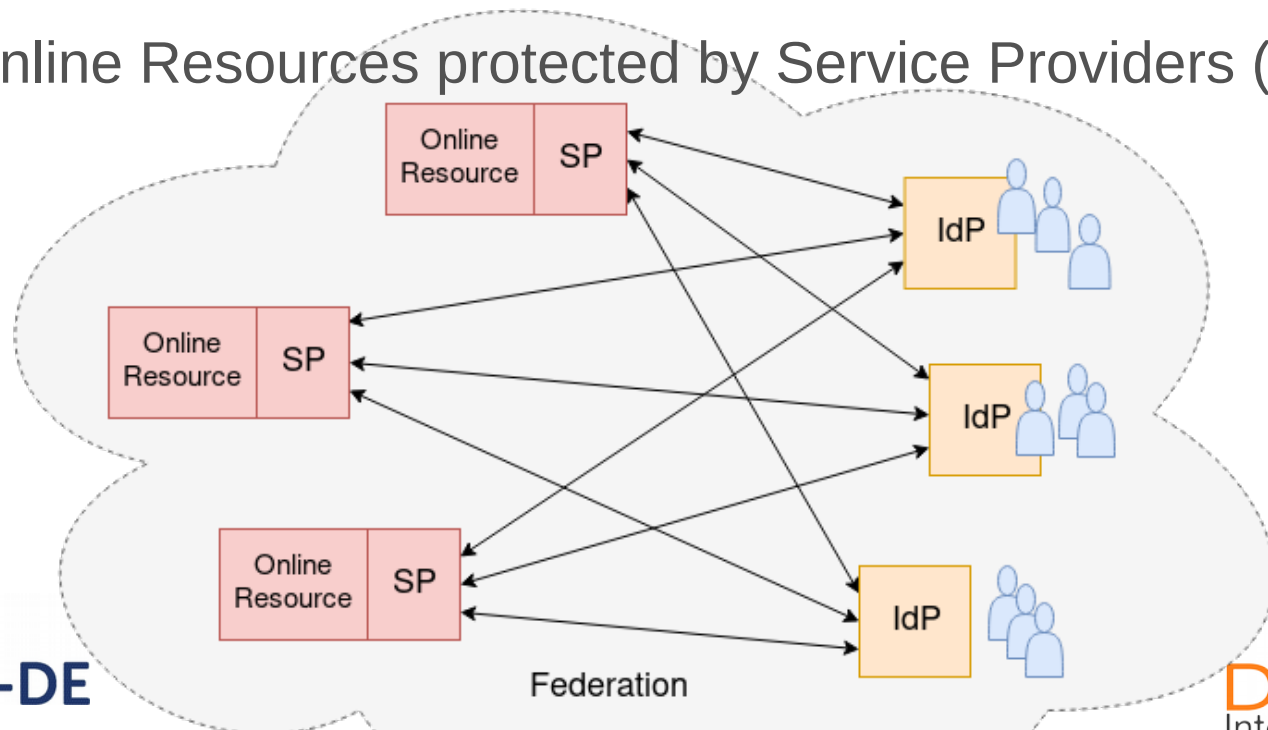
AAIs and AARC

- EU EINFRA project „Authentication and Authorization for Research and Collaboration" (Phase I 2015-2017, Phase II 2017-2019)

- Defining an Authentication and Authorization framework for international reseach and collaboration communities

  - One Blueprint architecture

  - One set of Policies

  - One Collection of training materials

- Leveraging the eduGAIN meta-Federation

- Integrating communities into general research infrastructures like EGI and EUDAT

- AARC Blueprint Architecture: Based on a Proxy model that attaches many Community SPs to eduGAIN IdPs and generally makes life much easier
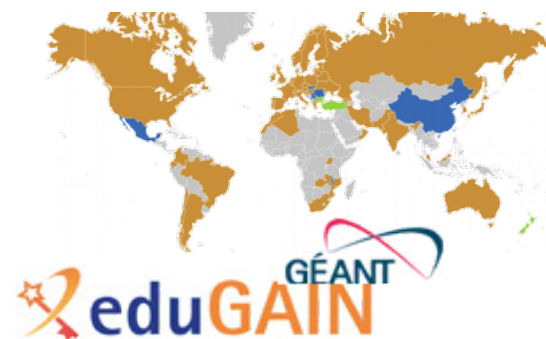
Release of User Attributes

- How to convince IdPs to release (personal) attributes?

- By convincing the IdP that the SP is trustworthy via SAML Metadata entity categories

  R&S
  - Research and Scholarship (R&S): This SP is proven to belong to the research community and has no commercial interests in the data
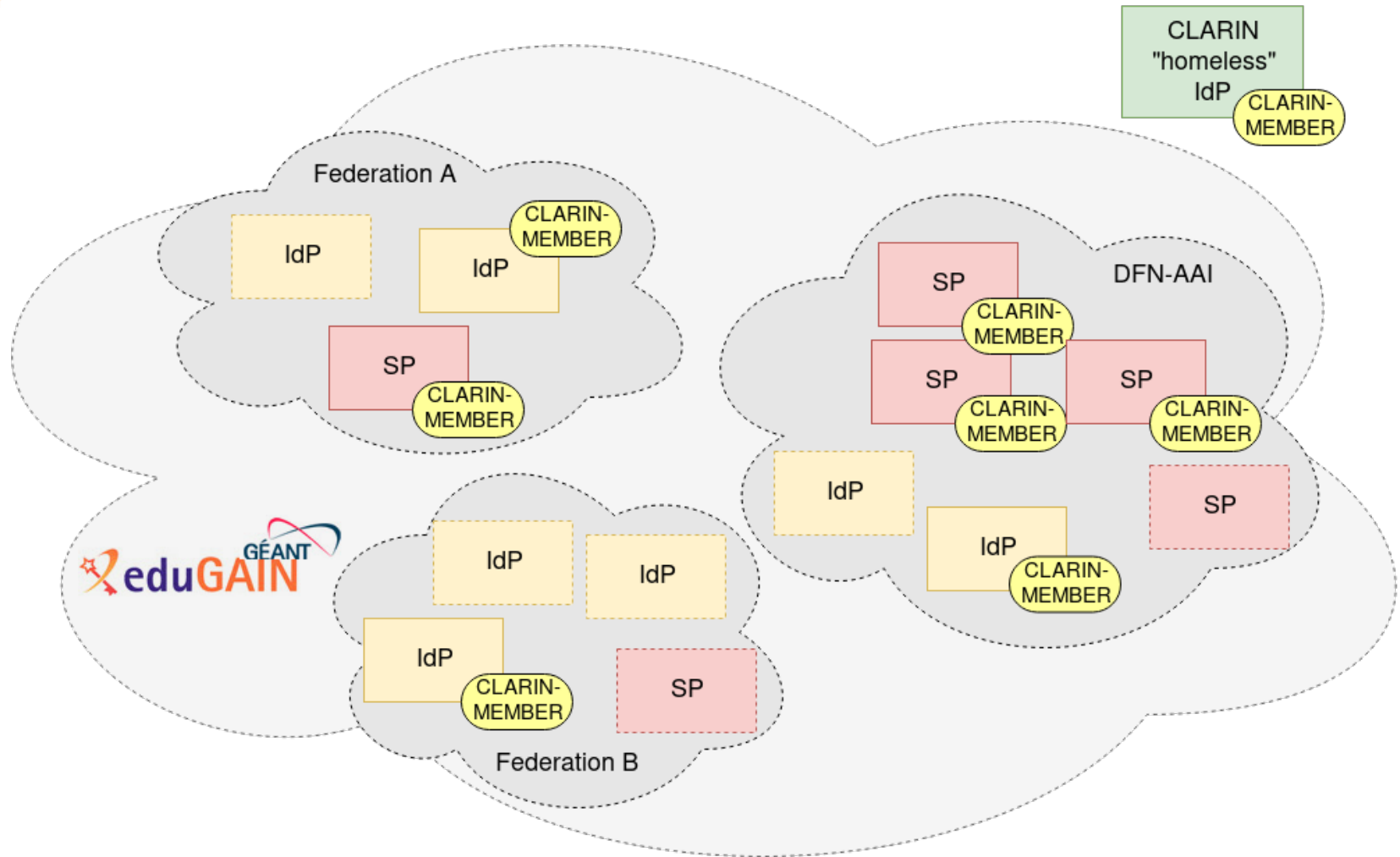
  CoCo
  - GÉANT Data Protection Code of Conduct V1: This SP commits to follow the former European data protection rules. A GDPR compliant and internationalized Version 2 is in the making.
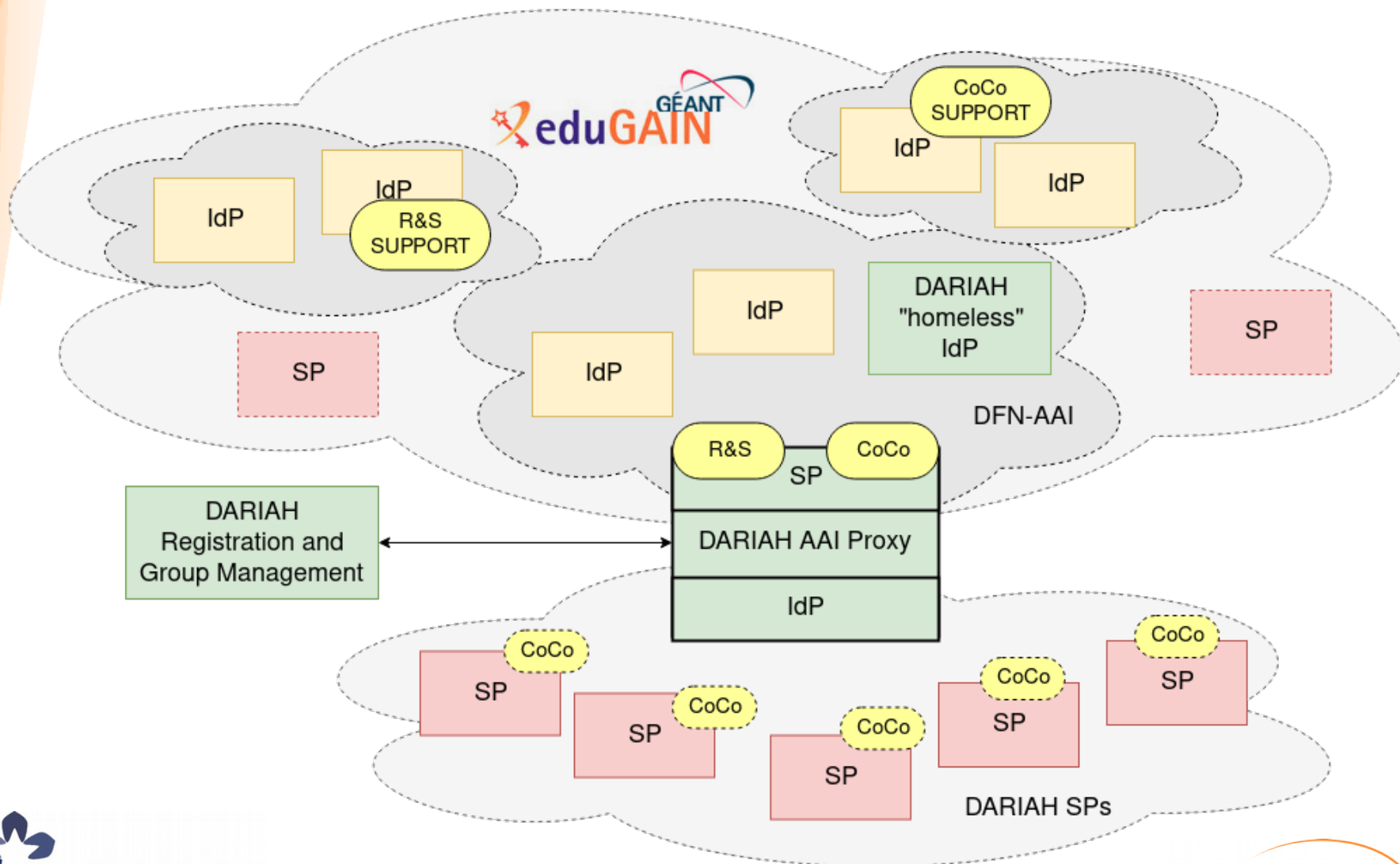
  CLARIN-MEMBER
  - Clarin Member: This is an SP from the CLARIN Community

CLARIN AAI

DARIAH AAI 2.0

Release of User Attributes

- In CLARIN

  – SPs carry a "clarin-member" entity attribute, and CoCo as well.

  – CLARIN customer IdPs need supporting rules.

- In DARIAH

  – Proxy SP carries "CoCo" and "R&S" entity attribute.

  – *Any* eduGAIN IdP can connect to the Proxy SP, but...

  – ...attribute release depends on IdP's CoCo / R&S support, or bilateral agreements with IdPs.

Interoperability Achieved and Challenges

	CLARIN Services	DARIAH Services (that use the AAI Proxy)
DARIAH "homeless" IdP	YES	YES
CLARIN IdP	YES	YES
eduGAIN IdPs, non-CLARIN-customers	YES (if CoCo/clarin-member Support, or bilateral agreement)	YES (if CoCo/R&S-Support, or bilateral agreement incl. opaque ID)
CLARIN customer IdPs (in eduGAIN)	YES	YES (if CoCo/R&S-Support, or bilateral agreement incl. opaque ID)

DARIAH-DE

DAASI
International

Interoperability – Future Work

- DARIAH Proxy SP should be registered as normal CLARIN service ("clarin-member") with federations (not just with CLARIN IdP)

- DARIAH is working (FIM4D WG) to connect more services with the AAI proxy

- Approach currently known DARIAH IdPs to support clarin-member entity attribute

- CLARIN IdPs currently not in eduGAIN should opt in via their national federations

DARIAH-DE

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Thanks!

https://www.daasi.de

https://de.dariah.eu/en/startseite