

DASISH 5.1

A Trust Federation for the SSH?

FP7 Capacities Work Programme: Infrastructures

INFRA-2011-2.3.1: Implementation of common solutions for a cluster of ESFRI infrastructures in the field of "Social Sciences and Humanities".

A project under this topic should implement harmonised solutions for the ESFRI Infrastructures in the field of Social Science and Humanities on issues like, for example *metadata frameworks, registries, single-sign-on systems and permanent identifiers*.

DASISH AAI work

From DoW:

- Investigate acceptability of CLARIN SPF extension
- Add new centers to CLARIN SPF
- Investigate acceptability of new SSH SPF
- Follow eduGain progress, *propose & involve eduGain services for also ESFRI specific solutions*

What to achieve with an AAI

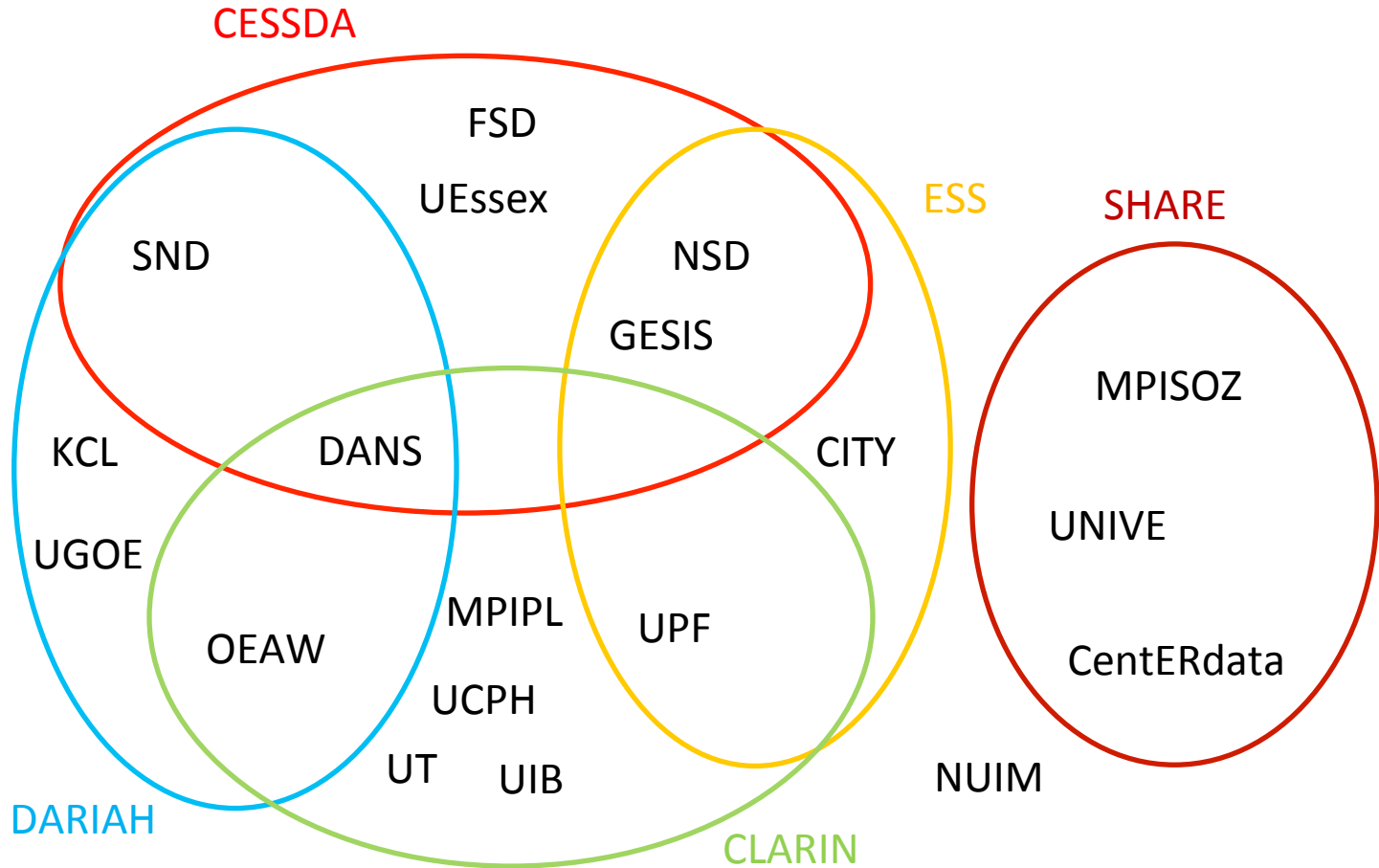
- Single User Identity, with low maintenance components and limited administration
- Single Sign-On
- All still limited to web-applications, need solutions for web-services (identity delegation), local tools

Why FIM for the SSH?

- Large group of users spread over academia at a large 'organizational' distance from the data providers
- Users with IT expertise unsuitable to deal with more complicated infrastructures e.g. user certificate management
- Potential huge number of users
- No resources to maintain a single central user store

Single or multiple solutions

- Sharing of services: *discovery service, homeless IdP*, but what business model?
- Common approach: national IDFs, EU-projects; legal, commercial.
- Problematic differences in requirements or traditions?
 - Data access: levels of assurance
 - User groups: non-academic users
 - required user attributes: authorization use



Interoperable solutions

- Non-exclusiveness: being part of one solution should not exclude being part of another
- **We should avoid legal or contractual issues wrt. this**
- Separate solutions have also implications for usability
 - Several login buttons?
 - Can already be a problem within single infrastructures e.g. CLARIN & SURFed

Interoperability of services

- Levels of assurance of the ESFRI specific homeless IdPs
 - Are these mutually acceptable?
- How many discovery services do we need?

National Solutions

In any scenario these are important pillars

- FIM solutions by the NRENs seem to work well.
- However some problems as:
 - DFN: attribute release is problematic (still?)
 - SURFed: opt-in policy
 - Complicated metadata exchange procedures

Complicating issues

- Need an EU wide infrastructure
 - Legal issues distributing user attributes across national boundaries
 - Metadata exchange
- Some national IDFs complicate matters
- Not all home organizations release all attributes needed (even ePPN)

1. eduGain approach

- eduGain inter-federation takes care of legal & administrative matters for metadata exchange, but passively (opt-in) and therefore has limited success.
 - Data Protection CoC; uptake?
 - Compare InCommon R+S entity category has 20% uptake
- Limited administrative overhead
- Limited success in connection relevant IdPs
- Still need separate homeless IdP
- Still dependent on proper attribute release

2. Specific ESFRI (cluster) SPF approach

- CLARIN SPF takes care of legal & administrative matters for metadata exchange with nat. IDFs, profits from general IDF opt-out policy.
- Successful in connecting many relevant IdPs.
 - By connecting directly to national IDFs
 - By convincing home organizations when opt-in is needed (SURFfed)
- Is the CLARIN SPF agreement acceptable to non-CLARIN members?
- Considerable administrative overhead
- Still need separate homeless IdP
- Still dependent on proper attribute release

3. Coexistence or partial collaboration

- eduGain facilitating also ESFRI specific federations
 - Metadata exchange infrastructure? but offer not as eduGain
 - Homeless IdPs, discovery services, external attribute providers?
- ESFRIs sharing services
 - Homeless IdPs, external attr providers, discovery services

Whatever we do

- We should all be interested in encouraging home organizations publishing user attributes
- Be aware of danger of incoherent messages to the home-organizations
 - Linkup to CLARIN SPF
 - Linkup to DP CoC sign-up SPs
 - Linkup to eduGain
 - Linkup to SSH fed

discussion

- How do we expect different strategies to develop in the future?
- Not SSH specific, but also not completely general
 - Who should be also involved
- How much resources can the SSH invest in this
 - Not only governance & administration needed
 - ... e.g. also

Consequences for whole SSH	eduGain via NREN	ESFRI specific to IDFs	Partial collab. eduGain support
Adm. overhead	+	-	0
Connect relevant IDPs	-	+	0
homeless	-	-	+
External attr	-	-	+



DATA SERVICE INFRASTRUCTURE FOR THE SOCIAL SCIENCES AND HUMANITIES

The task description

- Establish a trust federation between SSH service providers and national Identity Federations based on SAML AAI. In close collaboration with eduGain the CLARIN SPF will be extended to other SSH centers that are DASISH partners.
- As long as eduGain does not have created a joint domain of of EU IDFs, DASISH will continue with pragmatic solutions nevertheless being ready to adopt eduGain results.