



Digital Research Infrastructure
for the Arts and Humanities

**Humanities requirements: DARIAH
AAA Study Workshop,
Brussels, 12 July 2012**

Ye Cao

Max Planck Digital Library (MPDL)
DARIAH-EU, VCC e-Infrastructure

www.dariah.eu

What is DARIAH?

- DARIAH: Digital Research Infrastructure for the Arts and Humanities
- One of the few ESFRI research infrastructures for the humanities
- DARIAH's mission
 - To develop, maintain and operate an infrastructure in support of ICT-based research practices
- Working with communities of practice
 - To ensure that best practices, methodological and technical standards are followed

Countries participating in DARIAH

- Austria
- Croatia
- Denmark
- France (Host Country)
- Germany (Coordinator)
- Greece
- Ireland
- The Netherlands (Coordinator)
- Slovenia
- Serbia



Coordinating Institutions

Austria: Österreichische Akademie der Wissenschaften & University of Vienna

Croatia: Institut Ruđer Bošković

Denmark: Århus University

France: Le Centre National de la Recherche Scientifique

Germany: Niedersächsische Staats- und Universitätsbibliothek Göttingen

Greece: Academy of Athens - Research Centre for the Study of Modern Greek History

Ireland: Trinity College Dublin

The Netherlands: Data Archiving Networked Services

Serbia: Center for Digital Humanities, Belgrade

Slovenia: Institute of Contemporary History



AARHUS UNIVERSITY



dépasser les frontières
Niedersächsische Staats- und
Universitätsbibliothek Göttingen



Центар за дигиталне хуманистичке науке



DARIAH collaboration

Affiliated projects

- CENDARI, DASISH, EHRI, NeDiMAH

Sibling initiatives

- BAMBOO, CLARIN, TEI

Cultural heritage initiatives

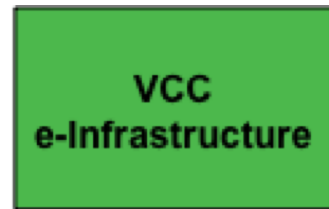
- Europeana, DC-Net

Technological initiatives

- EGI, EUDAT



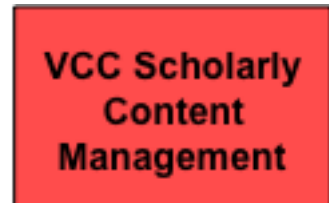
DARIAH Virtual Competency Centres (VCCs)



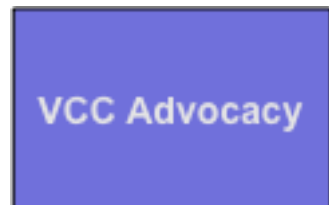
- To establish a shared technology platform for Arts and Humanities research



- To expose and share researcher's knowledge, methodologies and expertise

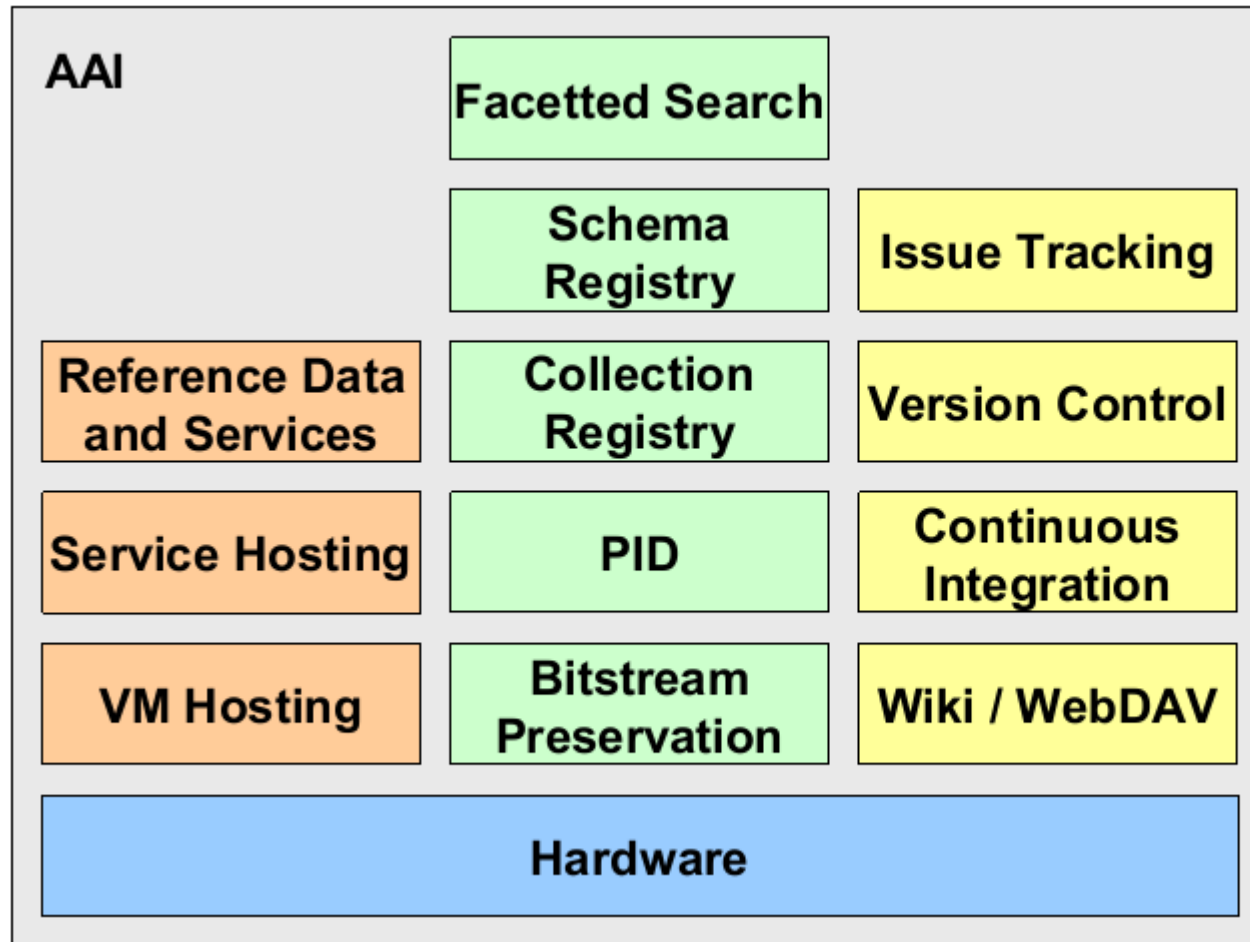


- To facilitate the exposure and sharing of scholarly content



- To interface with key influencers in and for the Arts and Humanities

VCC e-Infrastructure



Software Interoperability

Provenance Concept

Archive-in-a-Box

Guidelines

Responsibilities and Contacts

AAI requirements

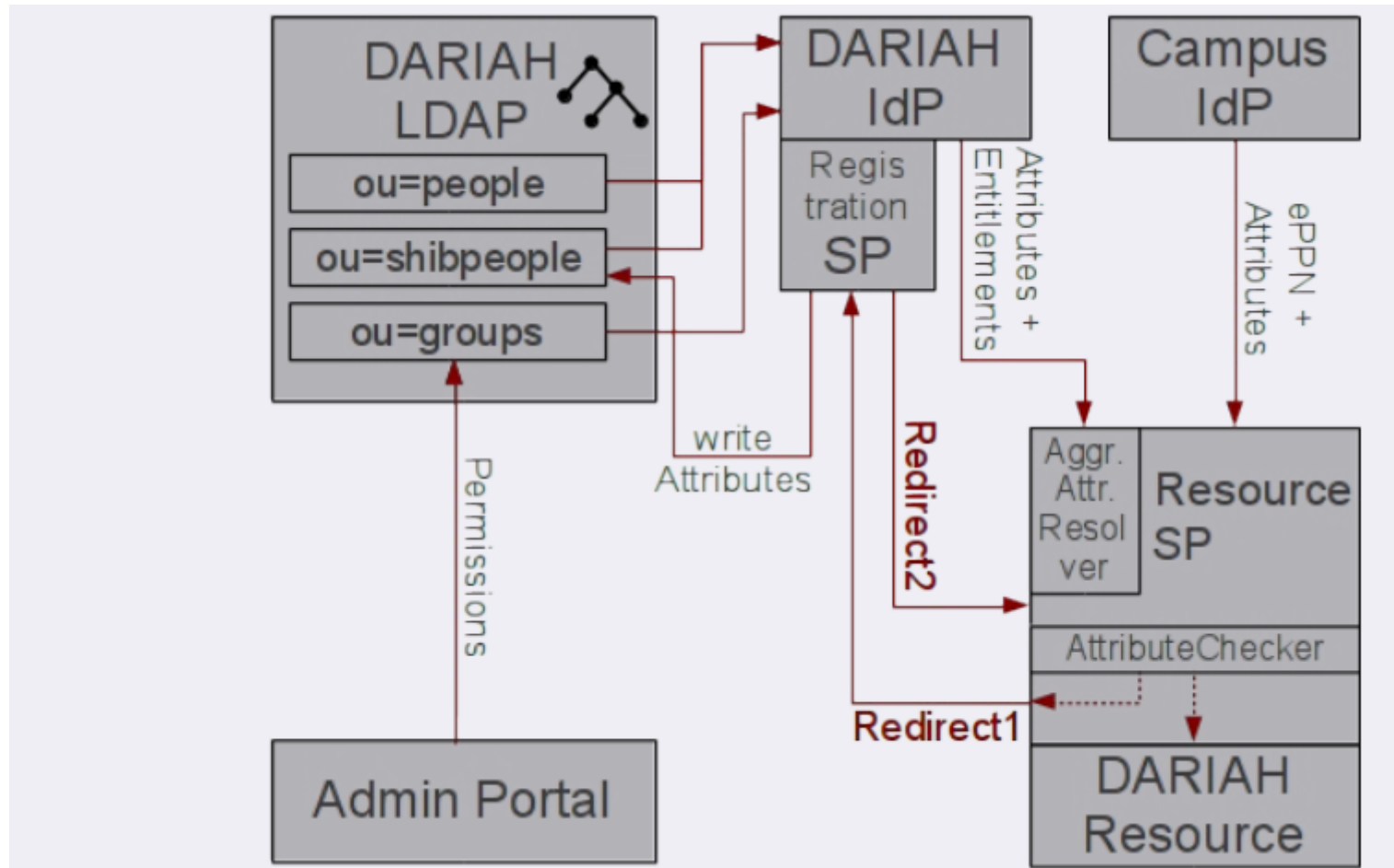
- The AAI service must be easy to use, ideally using their own institutional credentials (if available)
- Single sign-on to all (DARIAH) resources, tools and services in an idea world, researchers could use the same credential in any 'academic' context.
- Authorisation granularity
 - e.g. access to 'sensitive data': EHRI (European Holocaust Research Infrastructure)

DARIAH AAI Practice

Current AAI set-up: a first version of an AA infrastructure has been deployed, based on two standards:

- LDAP
 - for authentication and authorization attributes
 - deploying Open Source Software OpenLDAP
- SAML
 - for AAI within a federation
 - including Web Single Sign-On feature
 - deploying Open Source Software Shibboleth

VO Management and FIM in DARIAH



Current Challenge

- Not every institution signs federation contracts
- Not every Identity Provider releases personal attributes
- Not every resource provider allows anonymous usage

A use case

- affiliated project, EHRI
 - Many project users may not be member of a research institute and some institutions involved may not(yet) be part of a Federation.
 - Thus OpenID is seen as a way forward. It could solve the issue of changing affiliations.
- DARIAH will take the requirements of the projects into consideration in the development of its AA infrastructure

Plan

- It is planned to include technologies like OAuth2 and OpenID Connect into the DARIAH SAML based infrastructure
 - It is possible to have a SAML based Authentication within an OAuth-Infrastructure
 - as well as
 - To have an OpenID based authentication in a SAML based infrastructure.
- Currently experiments on these technologies are being performed by DARIAH
- Main aim is that an application developer only has to support one API for AAI.



Questions?

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DAASI leads and performs the AAI activities in DARIAH,

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