

# DARIAH Update

9th FIM4R Workshop

Vienna, November 30, 2015

Peter Gietz, DAASI International GmbH



[www.dariah.eu](http://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 (**ERIC is in working mode by now**)

DARIAH's mission is to develop, maintain and operate an infrastructure in support of ICT-based research practices

Infrastructure is administration, software and storage services but also Curricula and Methodology

Working with communities of practice: humanities scholars supporting their VREs

# Humanities VRE



The screenshot displays the TextGrid Lab application window. The main workspace shows a handwritten document with several rectangular annotations in purple and red. A Toolkit panel on the right provides editing tools. Below the workspace, the XML editor shows the following code:

```
<sp>
  <speaker><anchor xml:id="a1" />ANDRES<anchor xml:id="a2" /></speaker>
  <stage><anchor xml:id="a3" />(nach einer Pause.)<anchor xml:id="a4" /></stage>
  <p><anchor xml:id="a5" />Woyzeck<anchor xml:id="a6" />
  <anchor xml:id="a7" />hörst<anchor xml:id="a8" />
  <anchor xml:id="a9" />du's<anchor xml:id="a10" />
  <anchor xml:id="a11" />noch?<anchor xml:id="a12" /></p>
</sp>
<sp>
  <speaker>WOYZECK</speaker>
  <p>Still, Alles still, als wär die Welt todt.</p>
</sp>
<sp>
  <speaker>ANDRES</speaker>
  <p>Hörst du? Sie trommeln drin. Wir müssen fort.</p>
</sp>
```

The status bar at the bottom indicates 'Rectangle mode', 'image/jpeg', and coordinates 'a: 255, r: 165, g: 165, b: 165'. The bottom right corner shows the email address 'testuser@textgrid.de'.

# DARIAH VCC Virtual Competence Centers

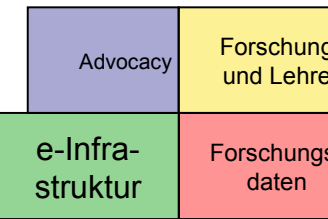


VCC Advocacy

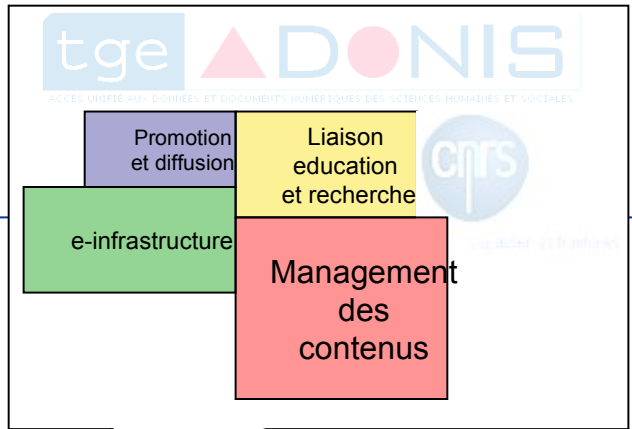
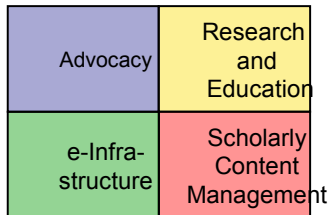
VCC Research  
and Education

VCC  
e-Infrastructure

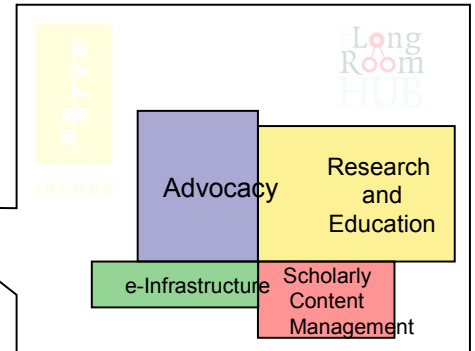
VCC Scholarly  
Content  
Management



DARIAH-AT



DARIAH-FR



DARIAH-IE

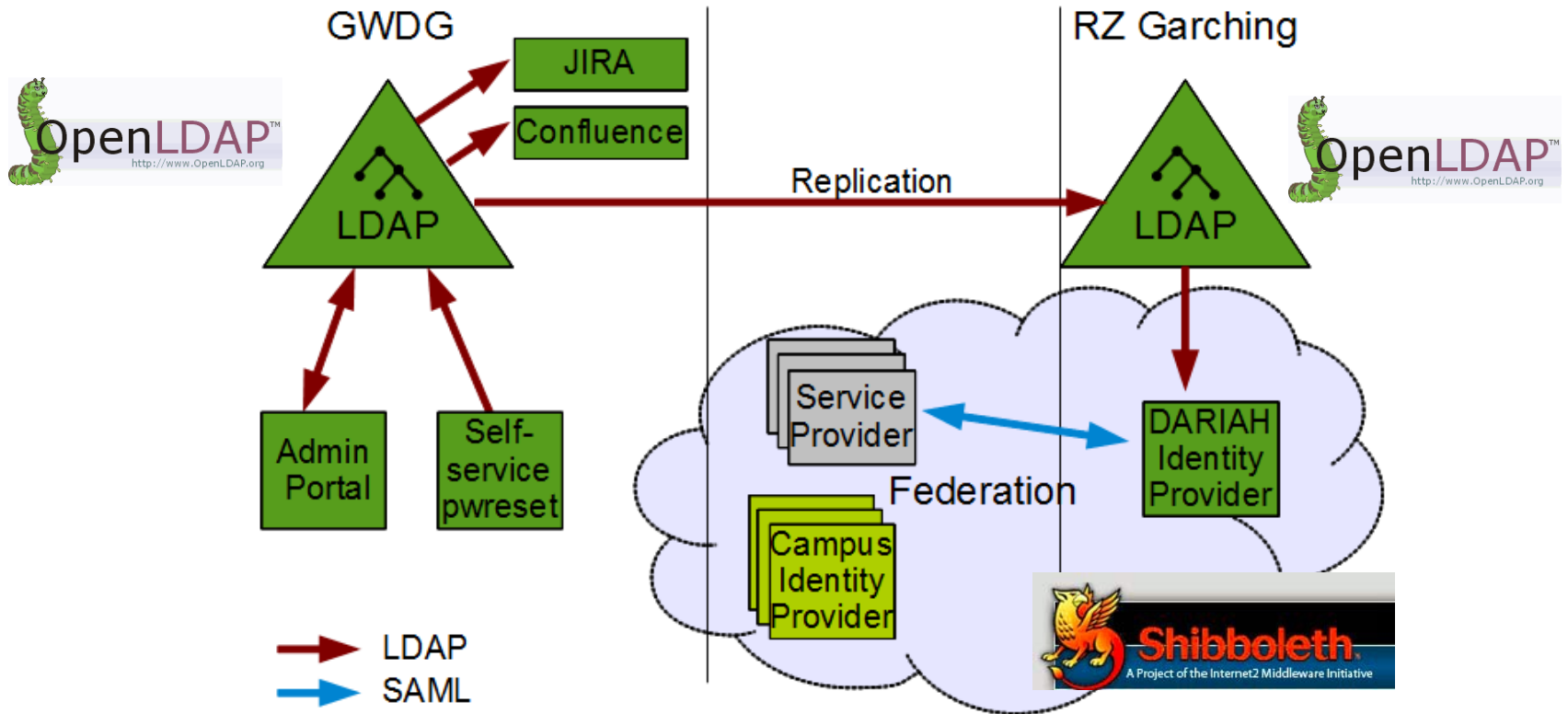


# DARIAH AAI Practice

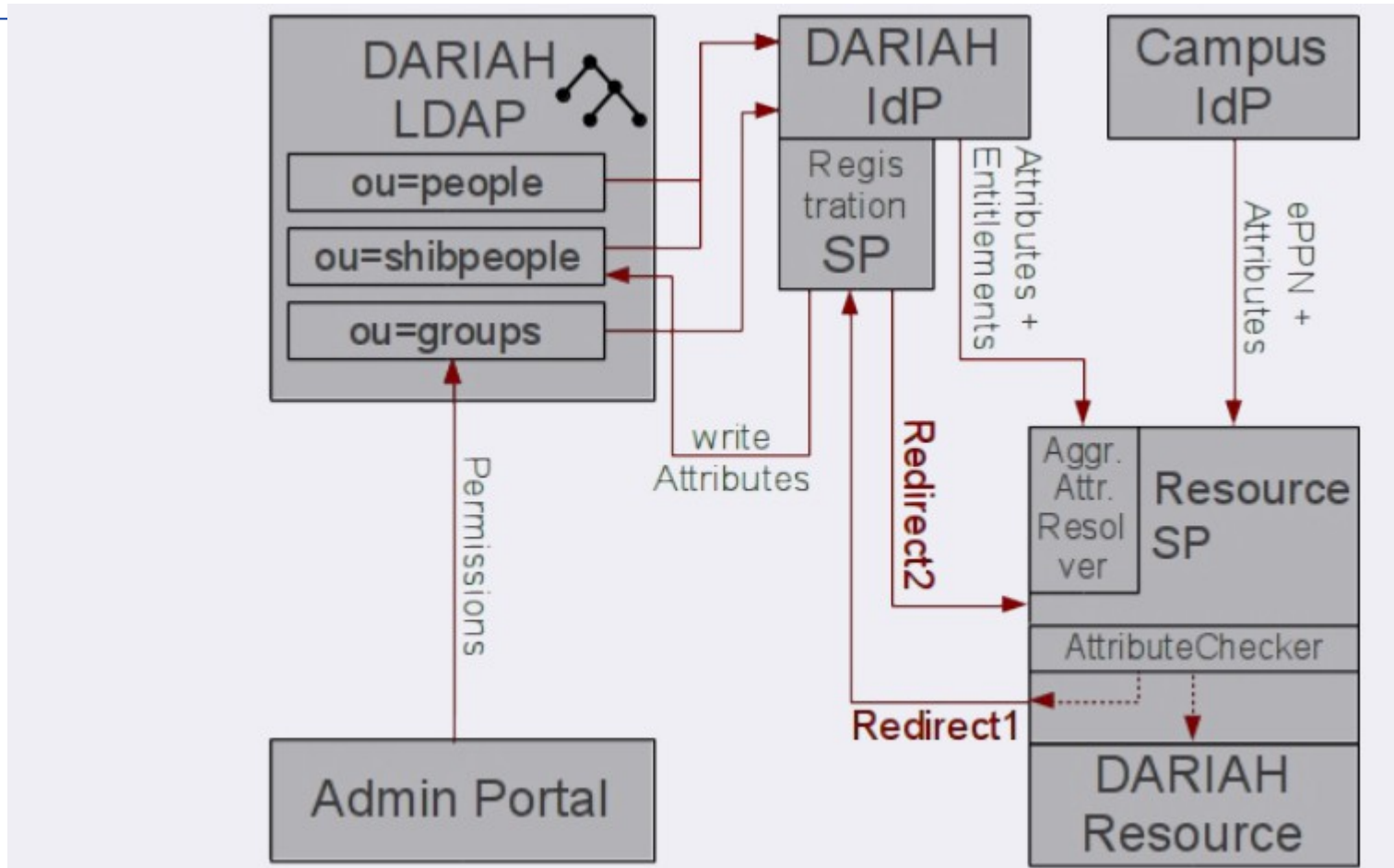
Current AAI set-up: a first version of an AA infrastructure has been deployed, based on two standards:

- LDAP (Lightweight Directory Access Protocol)
  - for authentication and authorization attributes
  - deploying Open Source Software OpenLDAP
- SAML (Security Assertions Markup Language)
  - for AAI within a federation
  - including Web Single Sign-On feature
  - deploying Open Source Software Shibboleth

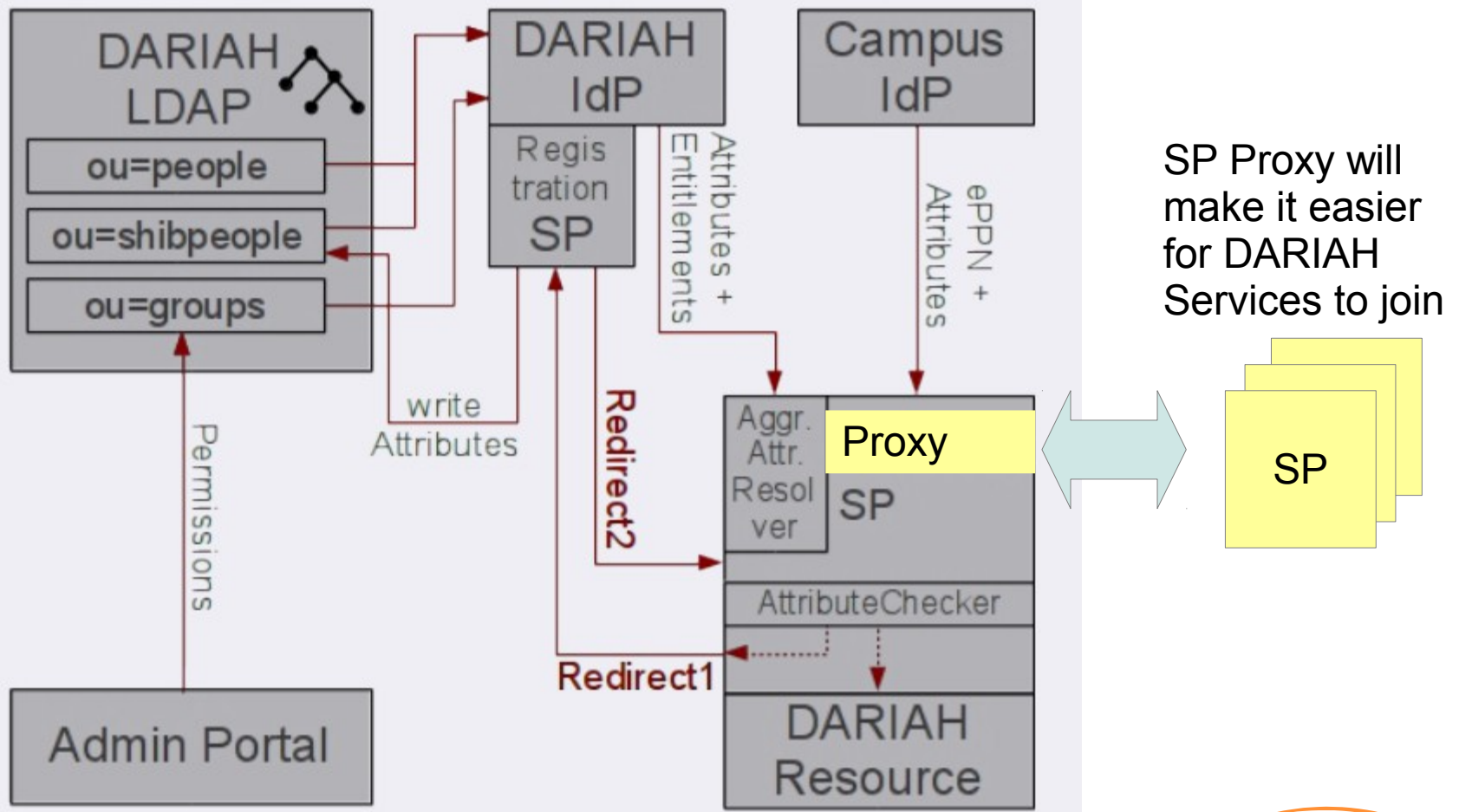
# DARIAH AAI Setup



# VO Management and FIM in DARIAH



# VO Management and FIM in DARIAH



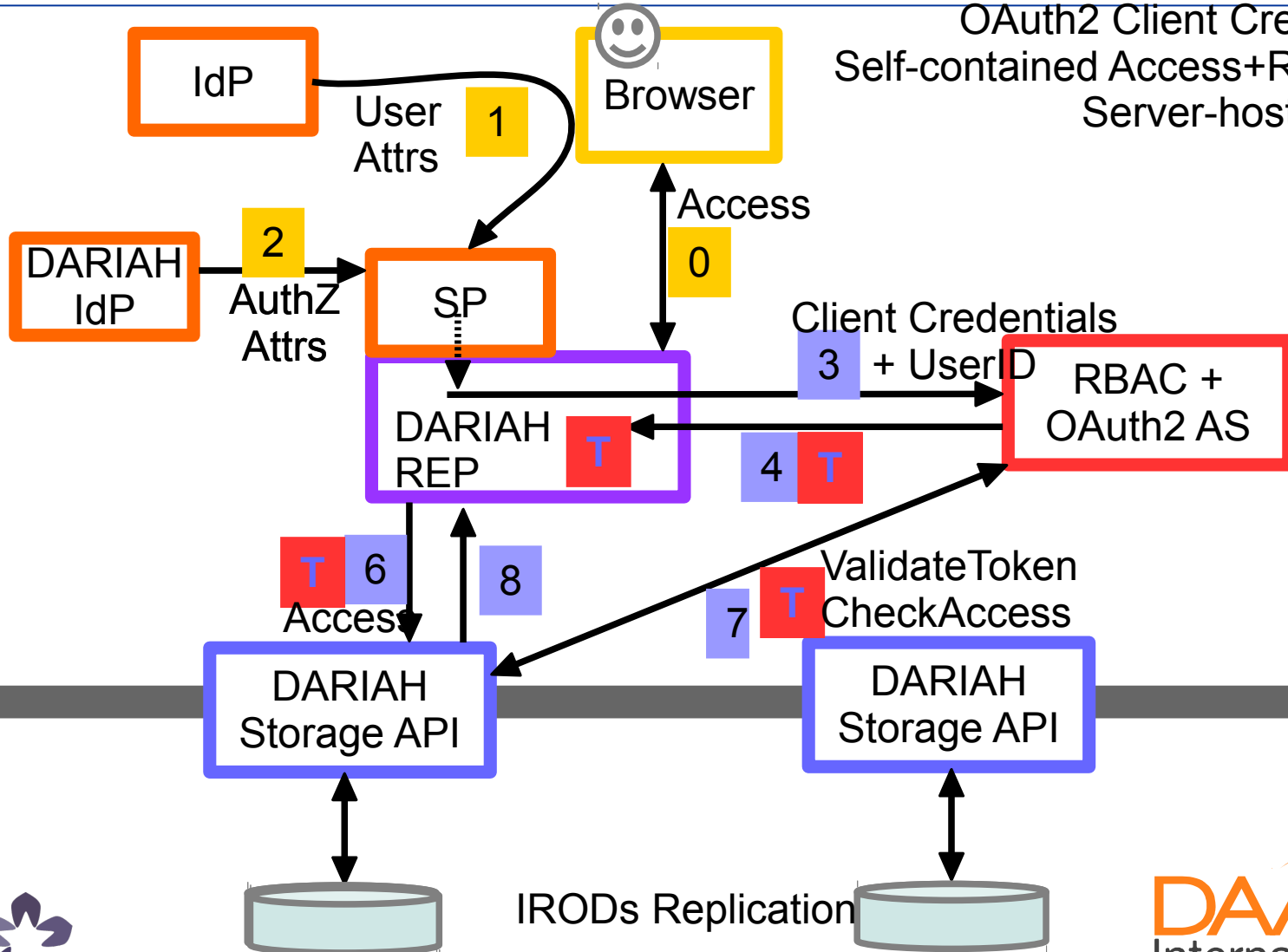


# Current Challenge

- European-wide federation eduGain has too little outreach
- Not every institution signs federation contracts
- Not every Identity Provider releases personal attributes
- Technologies for non-web-based access only  
“almost there” (ECP, STS, Moonshot, oAuth2)
- **Fine grained access control on file level , observed within a data replication federation (= non web SSO)**

# New Access Control Architecture

OAuth2 Client Credentials Grant  
Self-contained Access+Refresh Tokens  
Server-hosted Application



# Current figures

- We currently have **>3100 Users (700 new since February)**
- Still most do not log in via their home IdP
  - It's easier (and sort of familiar) to create a new DARIAH account
- We currently have **>250 different user groups (40 new since February)**
  - Every project usually uses three or four privilege groups (thus ca. **75 projects ca. 15 new since February**):
    - X-users, X-contributors, [X-developppers],  
X-admins

# How to make this a European-wide Infrastructure

- The management of the delegation is based on organisational roles (not groups) that are structured in a 3 level hierarchy :
- **DARIAH Coordination Office** as Top of hierarchy
  - Each Country has a **National Representative** who is allowed to:
    - Create and manage organisations and the organisation admin role
    - Each **Organisation** in a country has a organisation admin
      - **Organisation admin** is allowed to:
        - Create and manage groups (of projects the organisation is leading)
        - Create 'homeless'-accounts if needed

**Production ready Administration interface is there**

# New Features of User Management

- The Web-based administration and self-service interfaces have been improved, e.g.
  - Distributed user management
  - Better password forgotten processes
  - Completed role based administration
  - Concept of initial group is implemented
- Since the administration interface is actually used, new requirements pop up quite often

## Screenshots of Selfservice and Administrationinterface

[Start](#)[Forgot Password](#)[Account Registration](#)

## Request a DARIAH Account

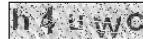
Please provide details about yourself. Mandatory fields are marked with an asterisk.

**Given Name \*****Surname \*****E-Mail \***

Please enter your institutional e-mail address and *no private or commercial account* if possible.

**Organisation \*****Initial group**

Please choose...

**Terms of Use \*** I accept the Terms of Use for DARIAH-DE.**Captcha \*****Remarks**[Request Account](#)

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# DARIAH Account Administration



[Organisations](#) / [Login](#) /

[Help texts](#)

[Home Page](#)

## Login to the System

Please enter Login Name and Password

**Login**

**Password**

Login

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# DARIAH Account Administration



Logged in as MartinHaase

Organisations / role select /

Help texts

Home Page

Search

Complex Search

New Account

Groups

LDAP Statistics

Account-Anträge

Change Role

Log Out

## Select your session role

You have privileges on more than one sub tree. Please select the subtree, you want to work on now

subtree

National Representative, DE, organisations, dariah

weiter

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# DARIAH Account Administration



Logged in as MartinHaase, National Representative - DE

Organisations / Complex Search /

Help texts

- Home Page
- Search
- Complex Search**
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- Groups
- New Organisation
- LDAP Statistics
- Organisations
- Account-Anträge
- Change Role
- Log Out

## Complex Search

Please enter the search terms

**Given Name**

**Surname**

**Login**

- Please select**
- All fields must match
  - Only one field must match

Start search

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# DARIAH Account Administration

Logged in as MartinHaase, National Representative - DE



Organisations / Group Management /

Help texts

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Complex Search

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## Group Management

You can edit the following groups:

Group name	Owner		
admins	uid=pgietz,ou=people,dc=dariah,dc=eu	Modify	Delete
ag-netzpolitik-contributors	uid=groupowner,ou=dsa,dc=dariah,dc=de	Modify	Delete
aib-admins	uid=groupowner,ou=dsa,dc=dariah,dc=eu	Modify	Delete
aib-contributors	uid=groupowner,ou=dsa,dc=dariah,dc=eu	Modify	Delete
aib-developers	uid=groupowner,ou=dsa,dc=dariah,dc=eu	Modify	Delete
aib-users	uid=groupowner,ou=dsa,dc=dariah,dc=eu	Modify	Delete
cendari-admins	uid=groupowner,ou=dsa,dc=dariah,dc=eu	Modify	Delete
cendari-contributors	cn=cendari-admins,ou=groups,dc=dariah,dc=eu	Modify	Delete
cendari-user	cn=cendari-admins,ou=groups,dc=dariah,dc=eu	Modify	Delete
collection-registry-admins	uid=groupowner,ou=dsa,dc=dariah,dc=eu	Modify	Delete
collection-registry-contributors	uid=groupowner,ou=dsa,dc=dariah,dc=eu	Modify	Delete



# DARIAH Account Administration



Logged in as MartinHaase, National Representative - DE

Organisations / Account Requests /

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## Account Requests

The following account requests exist in the system.

	Vorname	Name	Organisation	E-Mail	Begründung	Nr.
<input type="checkbox"/>	Find	Mich	asdfasdf	fm@daasi.de		7
<input type="checkbox"/>	mir	egal	asdfgasdf	egal@daasi.de		8
<input type="checkbox"/>	Verstecke	Mich	awefjanf	vm@daasi.de		9
<input type="checkbox"/>	Willi	Nichi	werden	gefunden@daasi.de		10
<input type="checkbox"/>	Und	ich	will	ui@daasi.de		11
<input type="checkbox"/>	Minimaler	Account	Da wir keine Organisation haben, erstmal Freitext.	minimal@daasi.de		12
<input type="checkbox"/>	Maximaler	Account	Noch eine Organisation	maximal@daasi.de		13
<input type="checkbox"/>	Neu	Maximal	Fasdfjkad	neumax@daasi.de		14
<input type="checkbox"/>	Hadsch	Al-Arab	asdlfjad	hasch@daasi.de		15
<input type="checkbox"/>	asdfgyasdf	asdgasdf	asdfs	asdfgasdfg@daasi.de		16
<input type="checkbox"/>	Murks	Maskr	alsdkjakjd	asdkfj@daasi.de		17
<input type="checkbox"/>	Sowieso	was	asdlfjk	asdfgasdfg@daasi.de		18



# DARIAH Account Administration

Logged in as MartinHaase, National Representative - DE

## Account Requests

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- Groups
- New Organisation
- LDAP Statistics
- Organisations
- Account Requests
- Change Role
- Log Out

Organisations / Account Requests /

Help texts

## Account Requests

The following account requests exist in the system.

	Vorname	Name	Organisation	E-Mail	Begründung	Nr.
<input type="checkbox"/>	Find	Mich	asdfasdf	fm@daasi.de		7
<input type="checkbox"/>	mir	egal	asdfgasdf	egal@daasi.de		8
<input type="checkbox"/>	Verstecke	Mich	awefjanf	vm@daasi.de		9
<input type="checkbox"/>	Willi	Nichi	werden	gefunden@daasi.de		10
<input type="checkbox"/>	Und	ich	will	ui@daasi.de		11
<input type="checkbox"/>	Minimaler	Account	Da wir keine Organisation haben, erstmal Freitext.	minimal@daasi.de		12

Yes:  
Responsive  
design

# DARIAH Account Administration



Logged in as MartinHaase, DCO-admin - organisations

Organisations / Browse / [Help texts](#)

- Home Page
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- New Country
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## Browse in tree

you can browse through your subtree

Current entry:

DCO-admin, organisations, dariah	
DE, organisations, dariah	<a href="#">open</a>
IT, organisations, dariah	<a href="#">open</a>
NL, organisations, dariah	<a href="#">open</a>
GB, organisations, dariah	<a href="#">open</a>
IR, organisations, dariah	<a href="#">open</a>
GR, organisations, dariah	<a href="#">open</a>
BE, organisations, dariah	<a href="#">open</a>

[modify organisations, dariah](#)

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# DARIAH Account Administration



Logged in as MartinHaase, DCO-admin - organisations

Organisations / Modify country /

Help texts

- Home Page
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## Modify country

Please modify the contry data

**Land**

**Description**

**National Representative**



- cancel
- + add national representative
- save

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# DARIAH Account Administration



Logged in as MartinHaase, DCO-admin - organisations

Organisations / New Group Member /

Help texts

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## New Group Member (Make selected to GB)

The following entries were found:

	Vorname	Name	Login	Affiliation	Abteilung	Status
<input type="checkbox"/>	Martin	Haase	MartinHaase	DAASI International GmbH		TRUE
<input type="checkbox"/>	Martin	Haase		DAASI		
<input type="checkbox"/>	Martin	Haase		Thalheim		

Select all

◀ back + ad to group GB

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# DARIAH Account Administration



Logged in as MartinHaase, DCO-admin - organisations

Organisations / Check new account /

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## Create new account, step 1: check for existence

Please enter your search terms

Given Name

Henry

Surname

Hubble

Enter your surname or family name.

Check for existence

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[Home Page](#)[Search](#)[Complex Search](#)[New Account](#)[Groups](#)[New Country](#)[LDAP Statistics](#)[Countries](#)[Account Requests](#)[Change Role](#)[Log Out](#)

## Create New Account

Please enter the user's data

**Login**

Will be created automatically if this field is left empty.

**Surname****Given Name****E-Mail****Organisation****Language** German English**Activation data**

Notification of new account will be sent at that date. Will be sent immediately if empty.

**Deletion data**

Account will be deleted at that date. Will not be deleted automatically if empty.

**Initial group****Description**



# DARIAH Account Administration



Logged in as MartinHaase, National Representative - GB

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## Create New Organisation

Please enter the organisation's data

Organisation

KIng's College London

Description

Some description|

Orgadmin

save

save and add organisation administrator

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# DARIAH Account Administration



Logged in as MartinHaase, National Representative - GB

Organisations / Modify Organisation /

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Complex  
Search

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New  
Organisation

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## Modify Organisation


Please modify the organisation's data



**Organisation**

**Description**

**Orgadmin**



 cancel

  add orgadmin

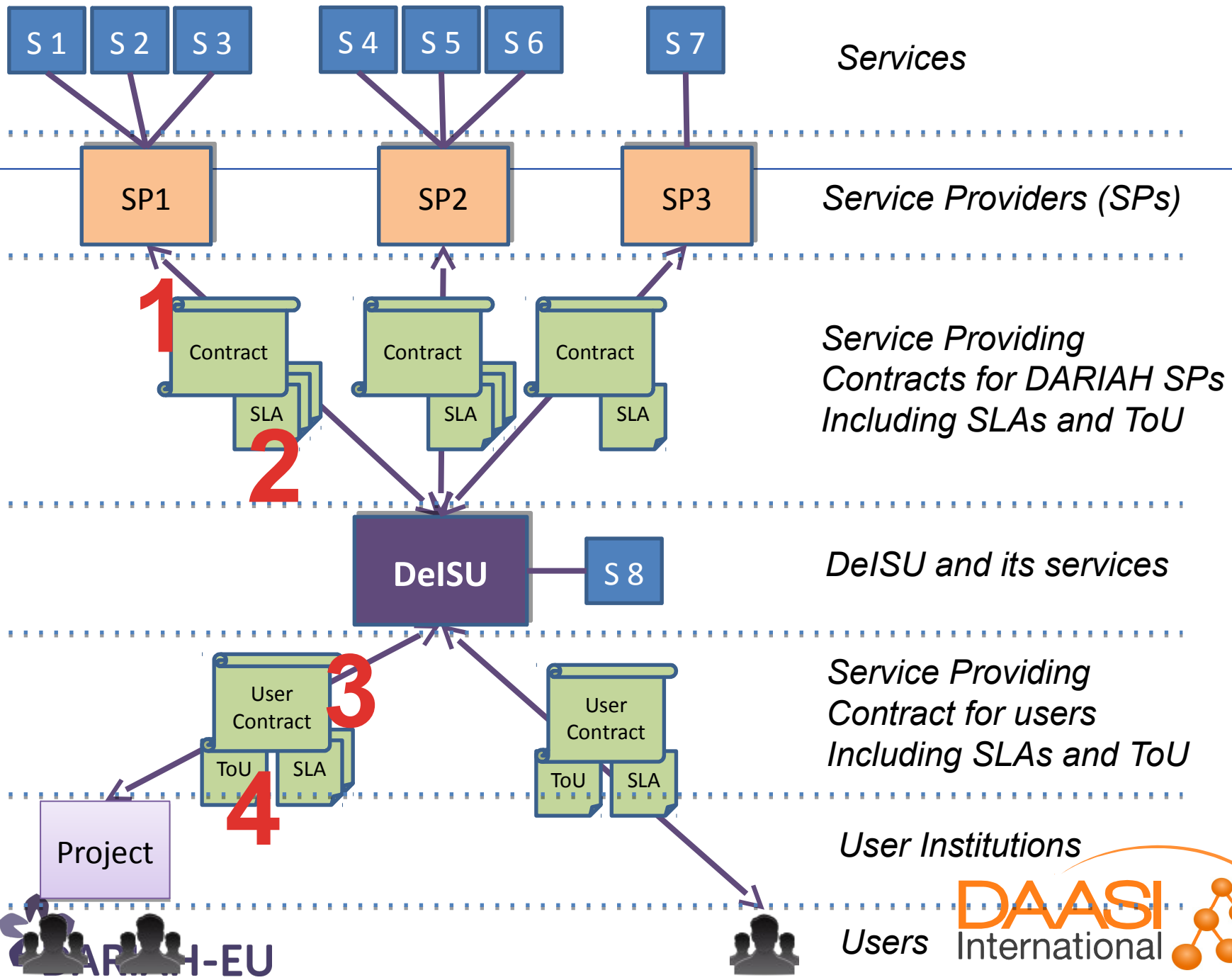
  save

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# Sustainability

- There is the strong will to make DARIAH a sustainable infrastructure
- One of the 6 Project Cluster of DARIAH-DE is DARIAH eHumanities Infrastructure Service Unit (DeISU)
  - We will be working on organizational model and business model
  - That service unit could well also operate AAI services



S 1 S 2 S 3

S 4 S 5 S 6

S 7

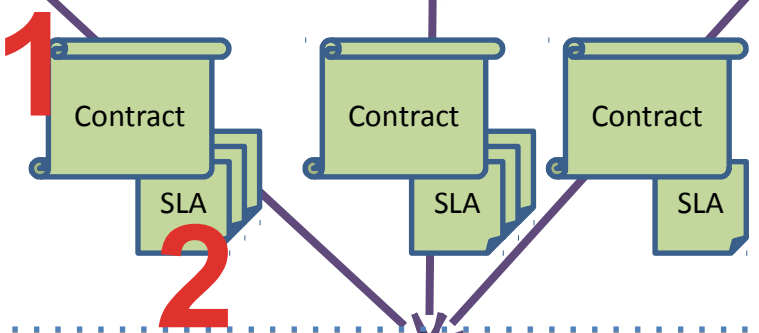
*Services*

SP1

SP2

SP3

*Service Providers (SPs)*

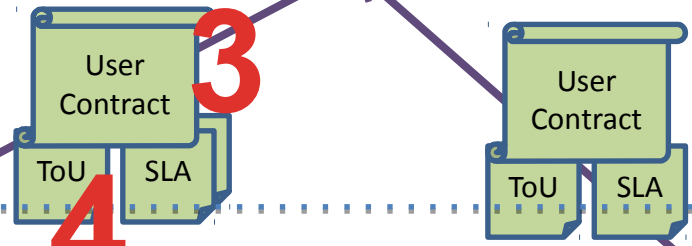


*Service Providing Contracts for DARIAH SPs Including SLAs and ToU*

DeISU

S 8

*DeISU and its services*



*Service Providing Contract for users Including SLAs and ToU*

Project



*User Institutions*

*Users*



# Summary

- DARIAH has a productive solution based on homeless-IdP and attribute authority
- Distributed user and privilege administration
- Roadmap for a sustainable service unit
- Policies that allow for integration into DFN-AAI and thus into eduGain
- DARIAH is actively co-operating with AARC

# Thank you for listening!

Questions?

Comments?