DARIAH Update

9th FIM4R Workshop

Vienna, Novemer 30, 2015

Peter Gietz, DAASI International GmbH

DARIAH-DE

DARIAH-EU

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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

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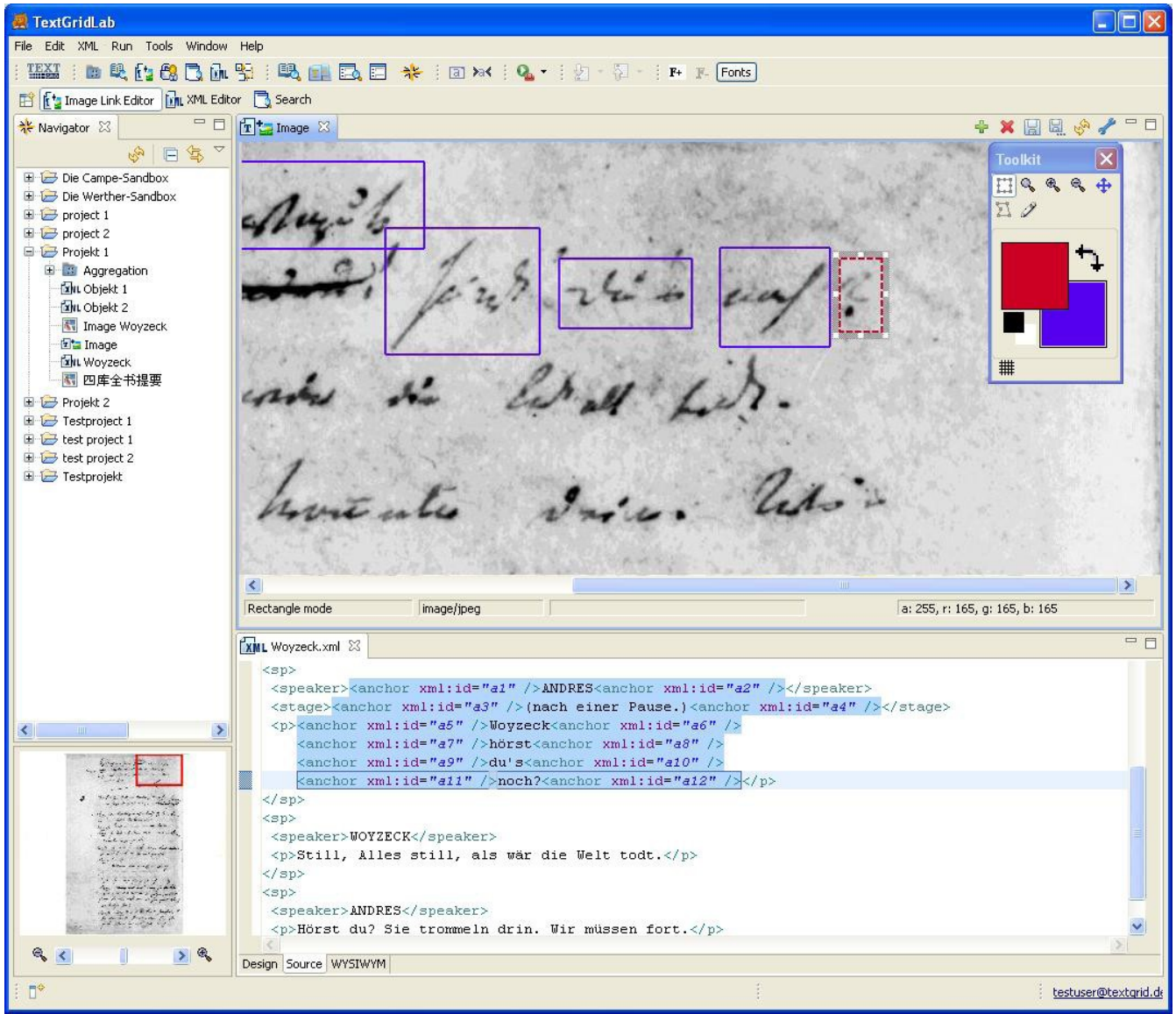
Humanities VRE

TextGrid



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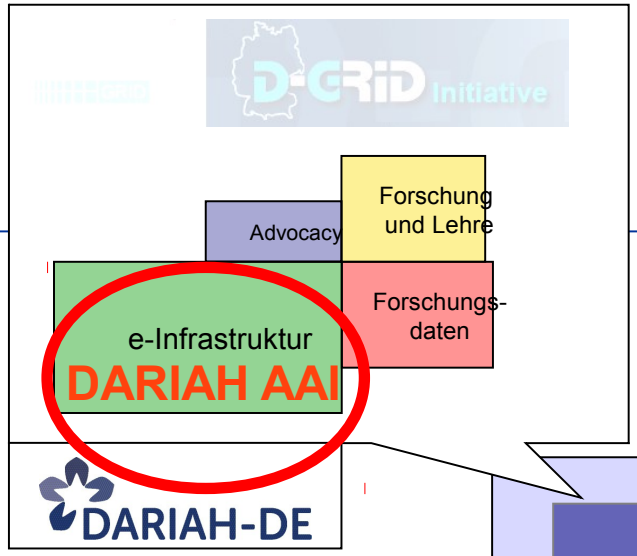
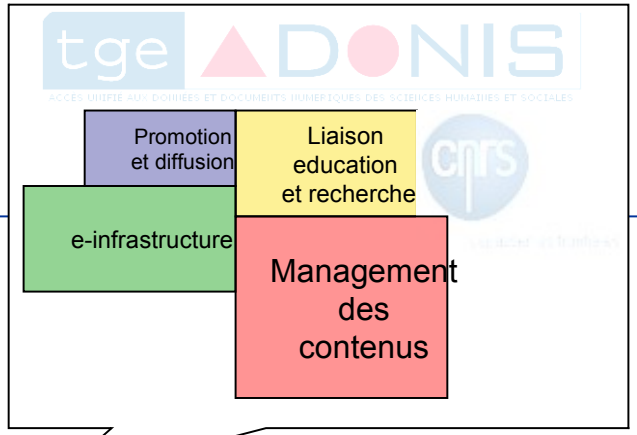
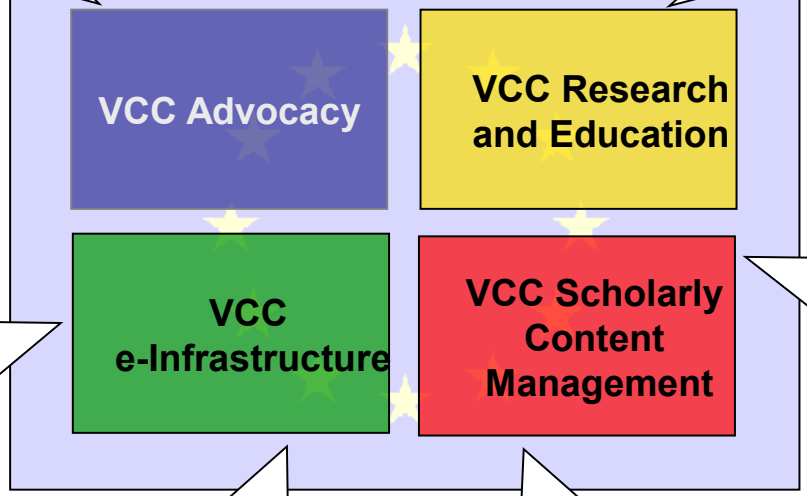
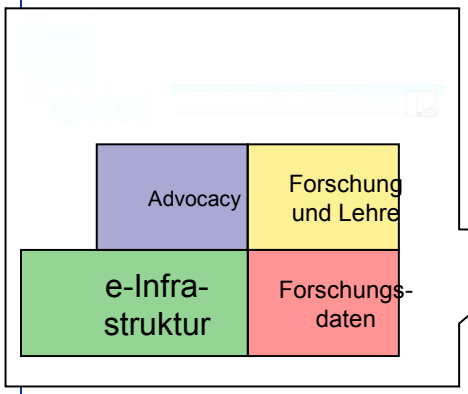
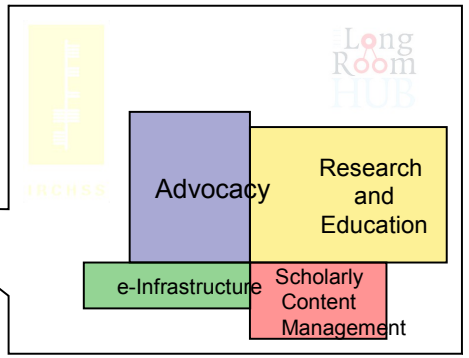
DARIAH VCC Virtual Competence Centers

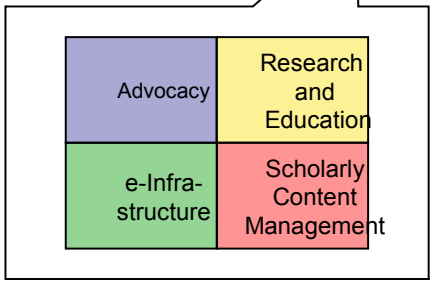


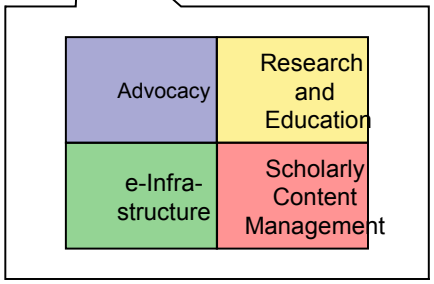












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DARIAH AAI Practice

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

- LDAP (Lightweight Directory Acess 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

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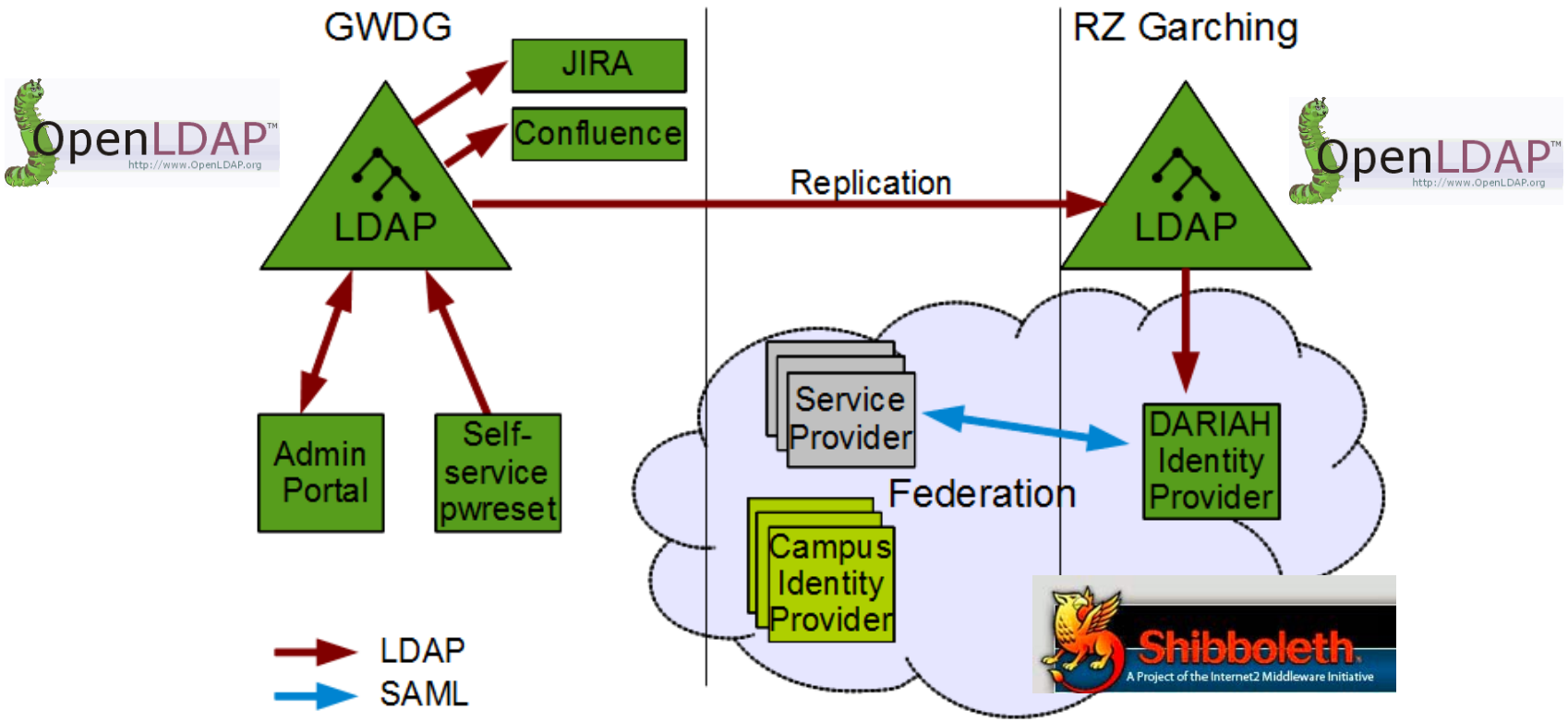
DARIAH AAI Setup



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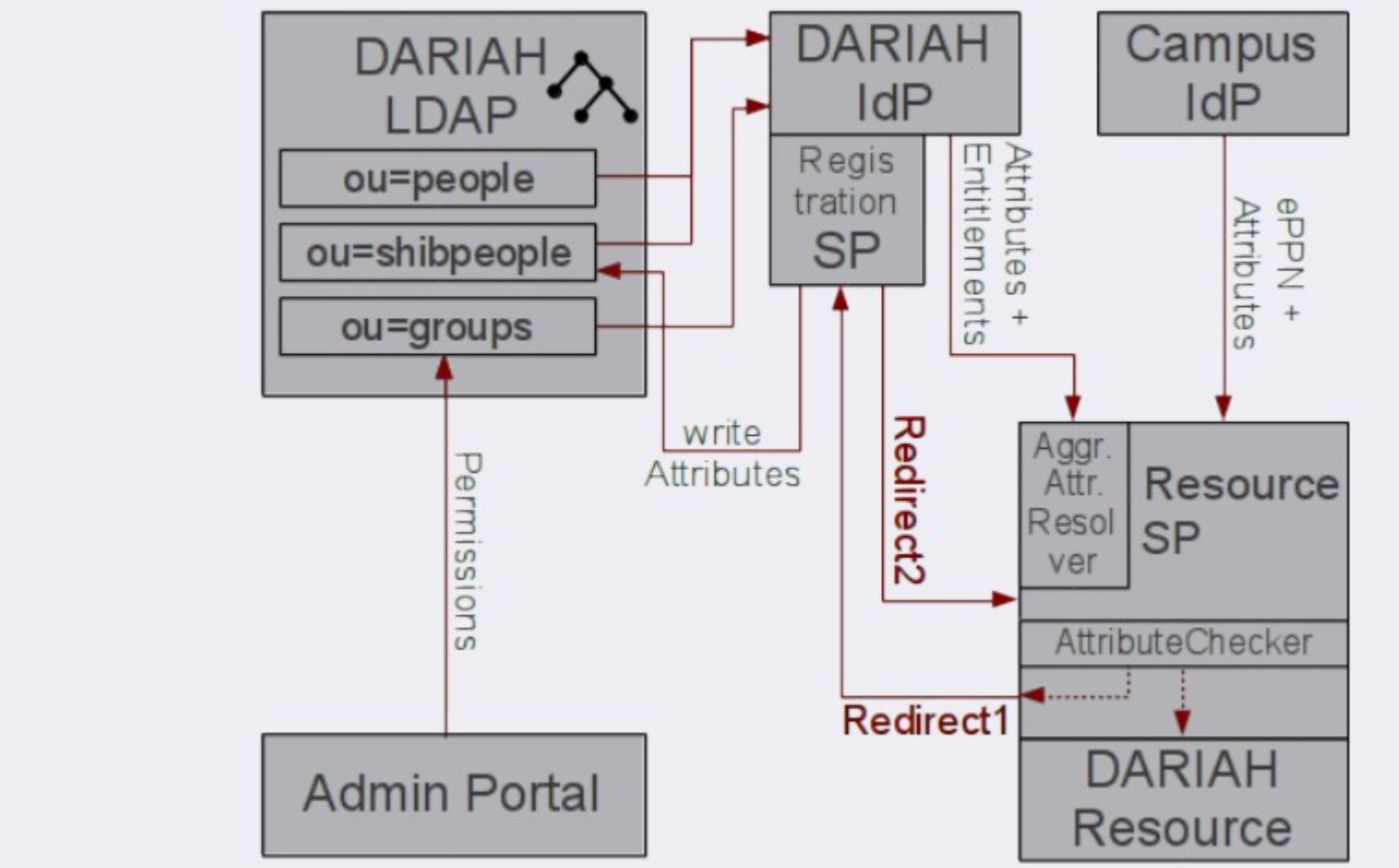
VO Management and FIM in DARIAH



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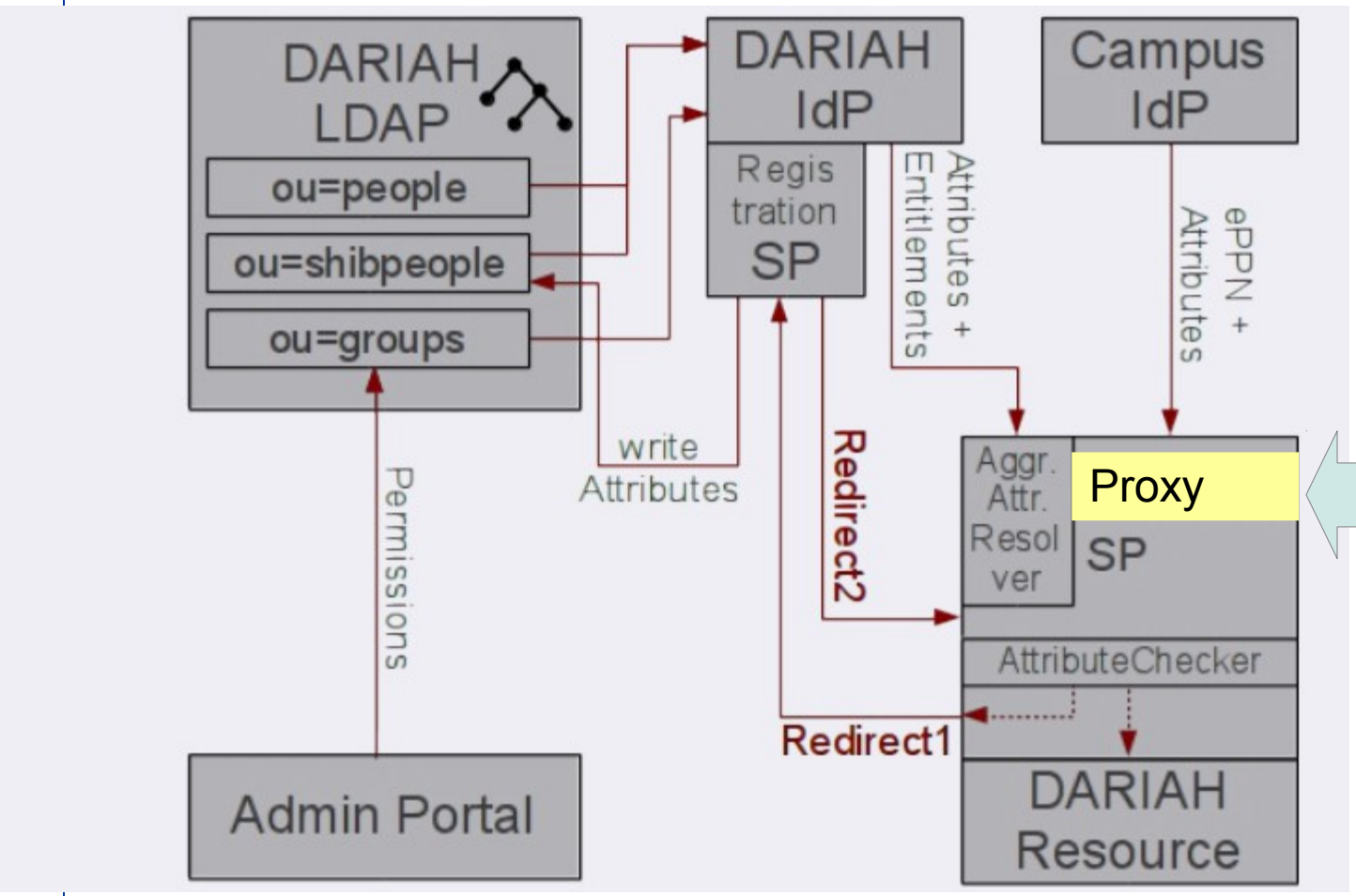
VO Management and FIM in DARIAH



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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)**

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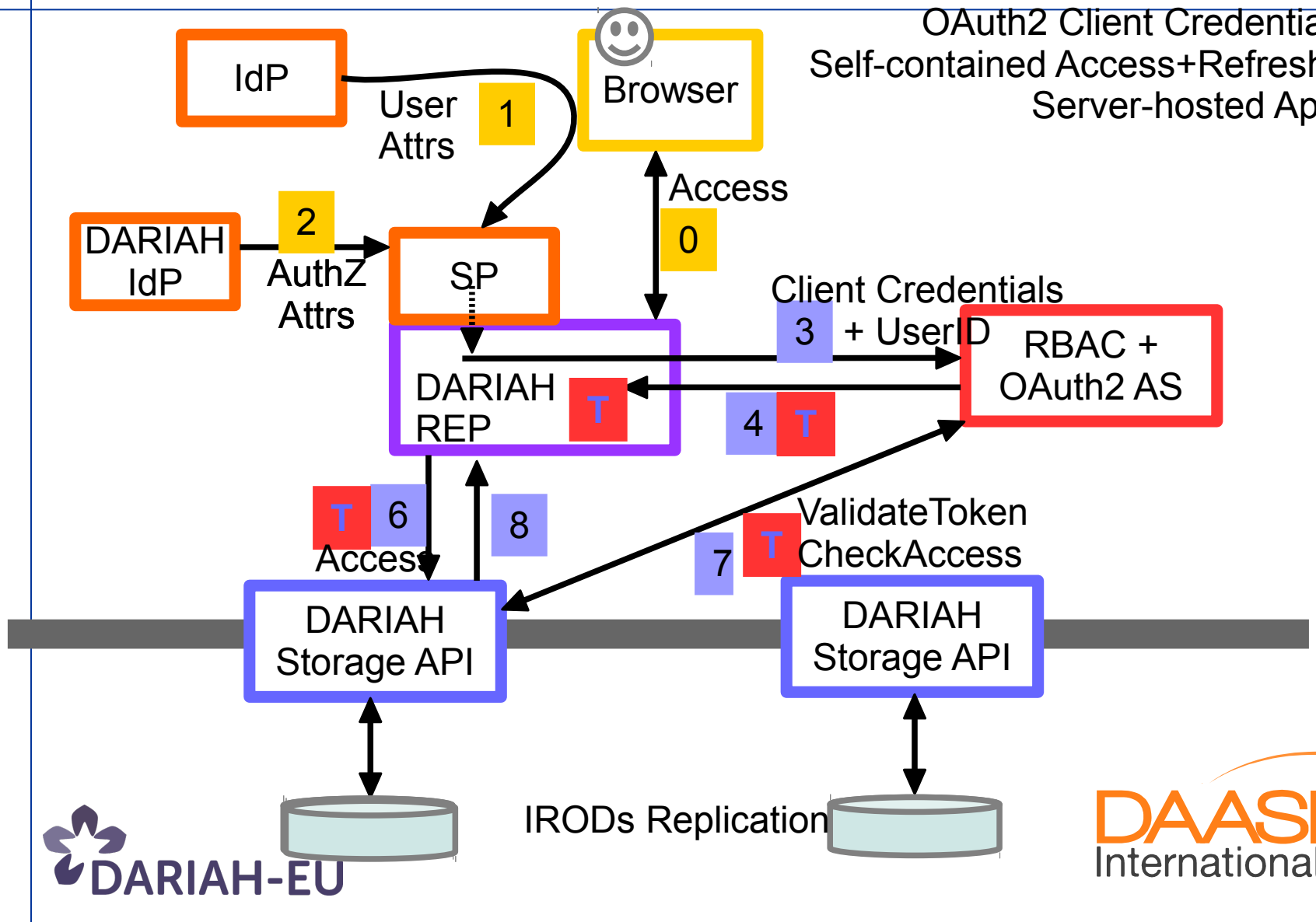
New Access Control Architecture



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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 priviledge groups (thus ca. **75 projects ca. 15 new since February**):
    - X-users, X-contributors, [X-developpers], X-admins

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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

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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

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Screenshots of Selfservice and Administrationinterface

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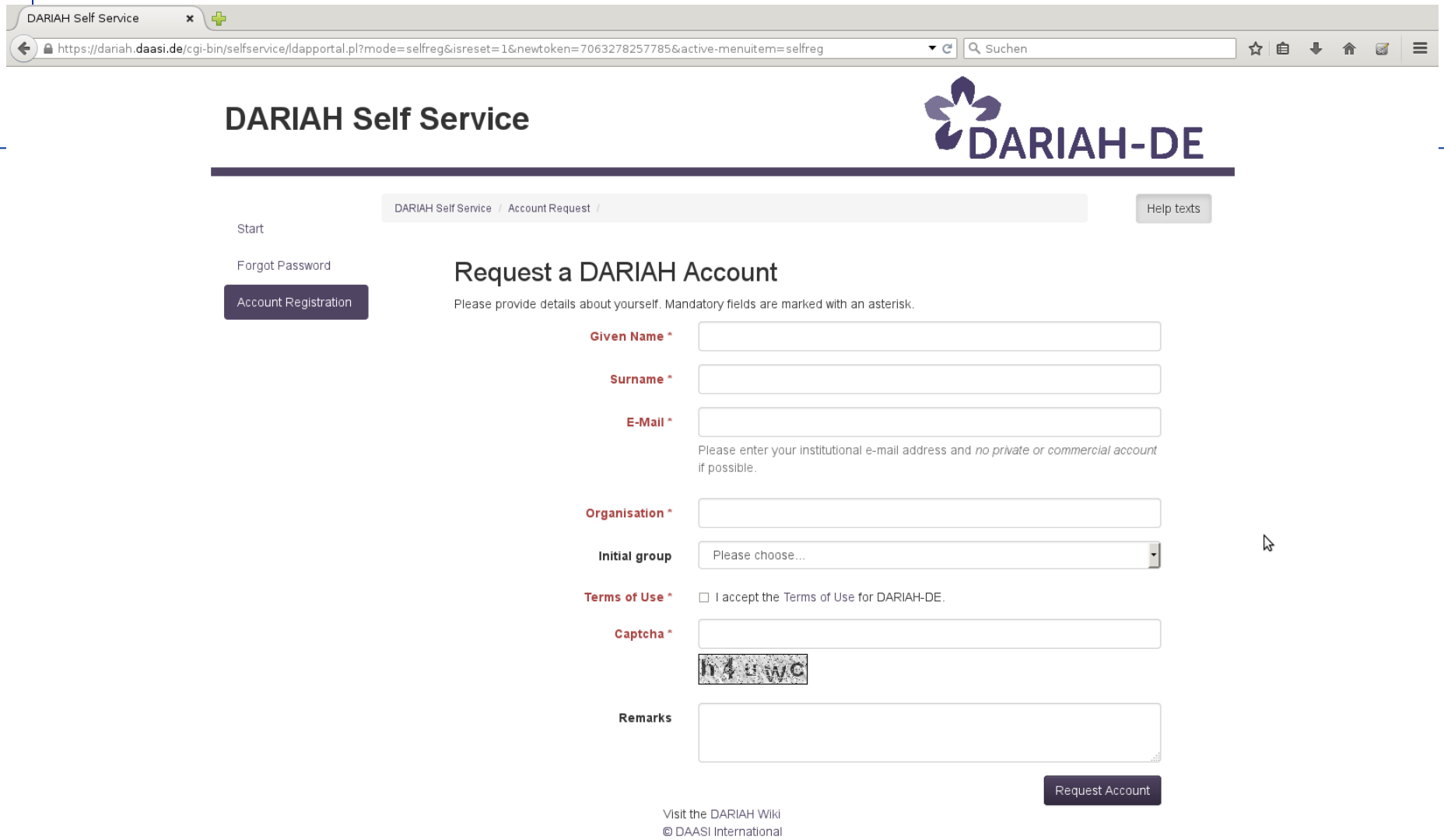

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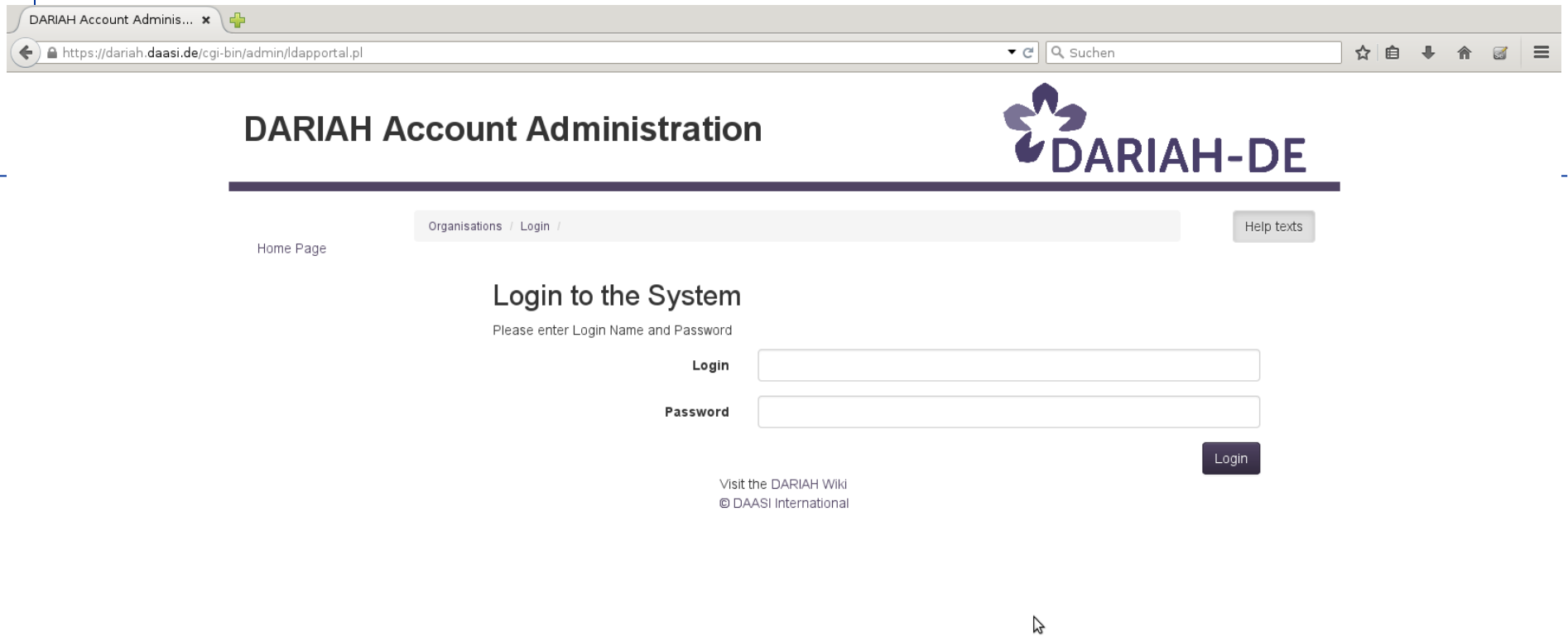

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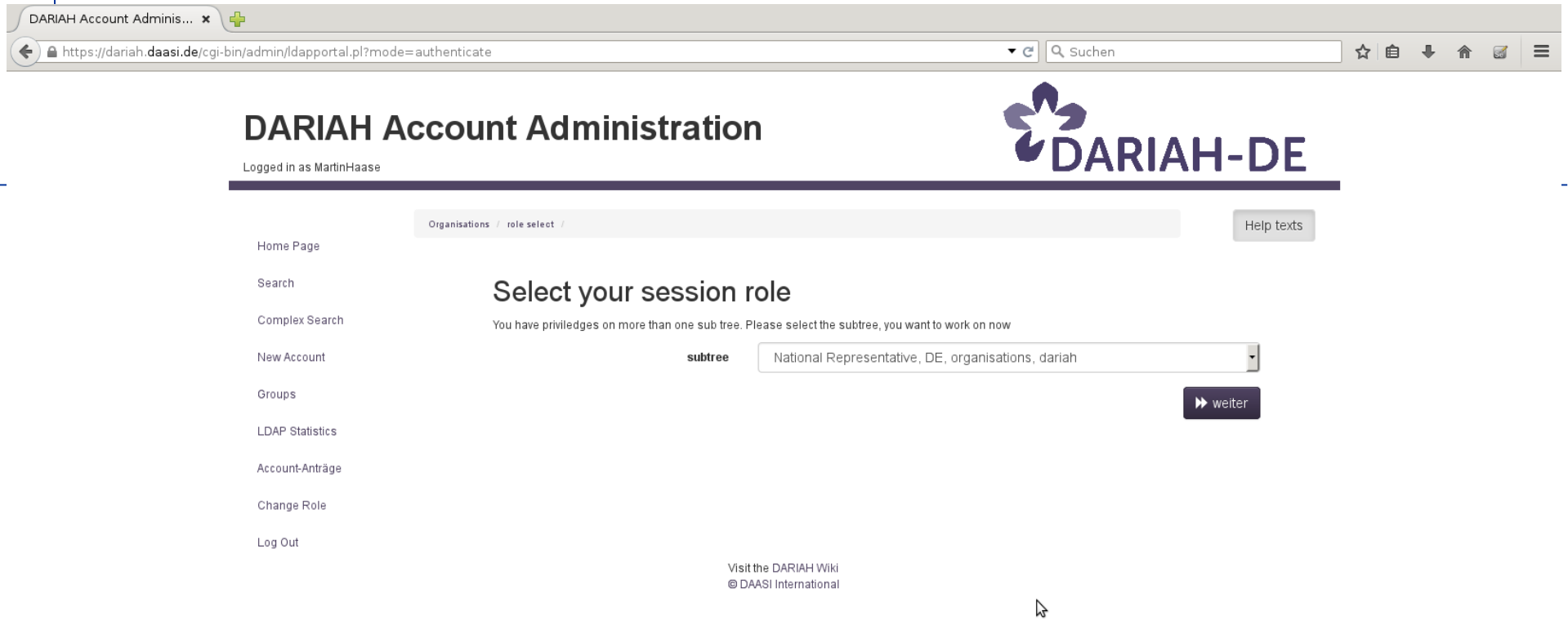

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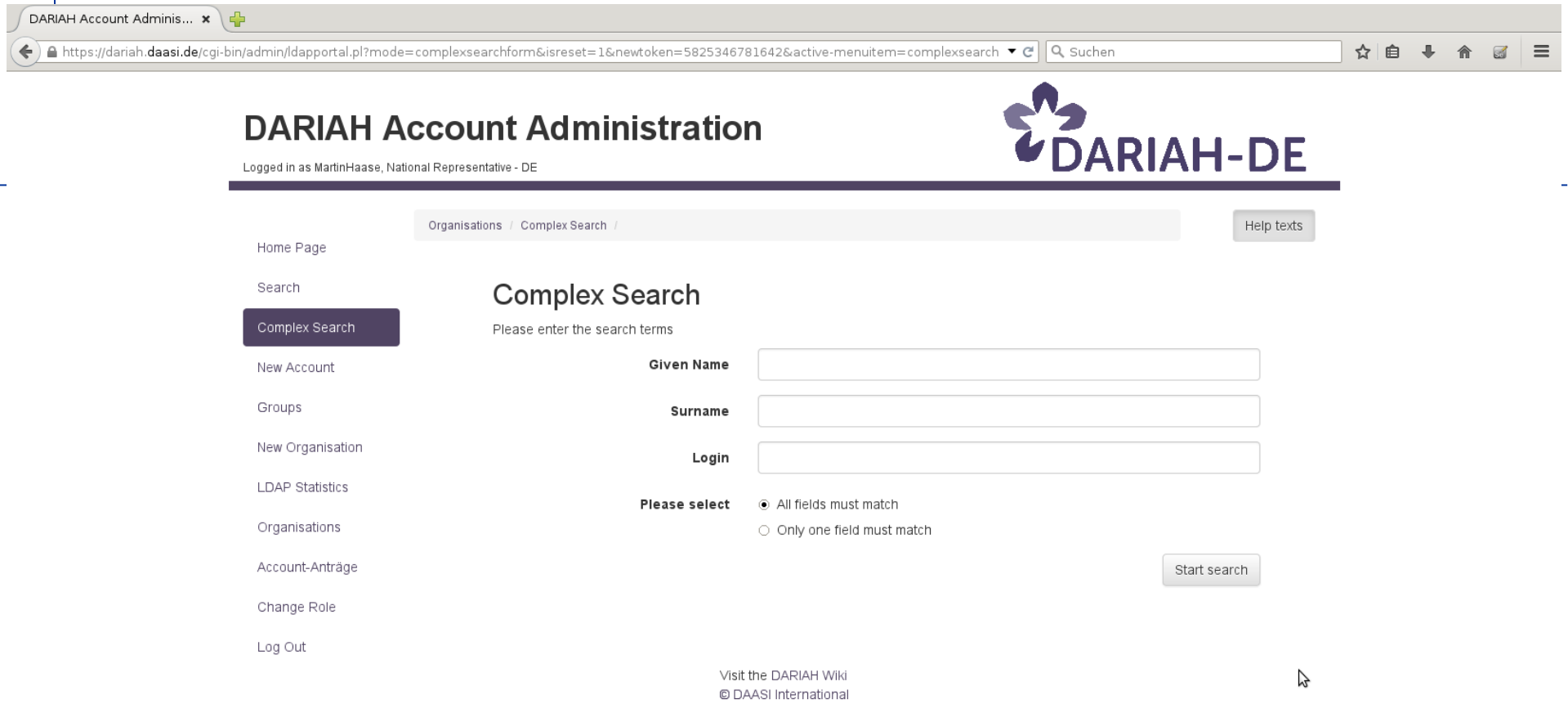

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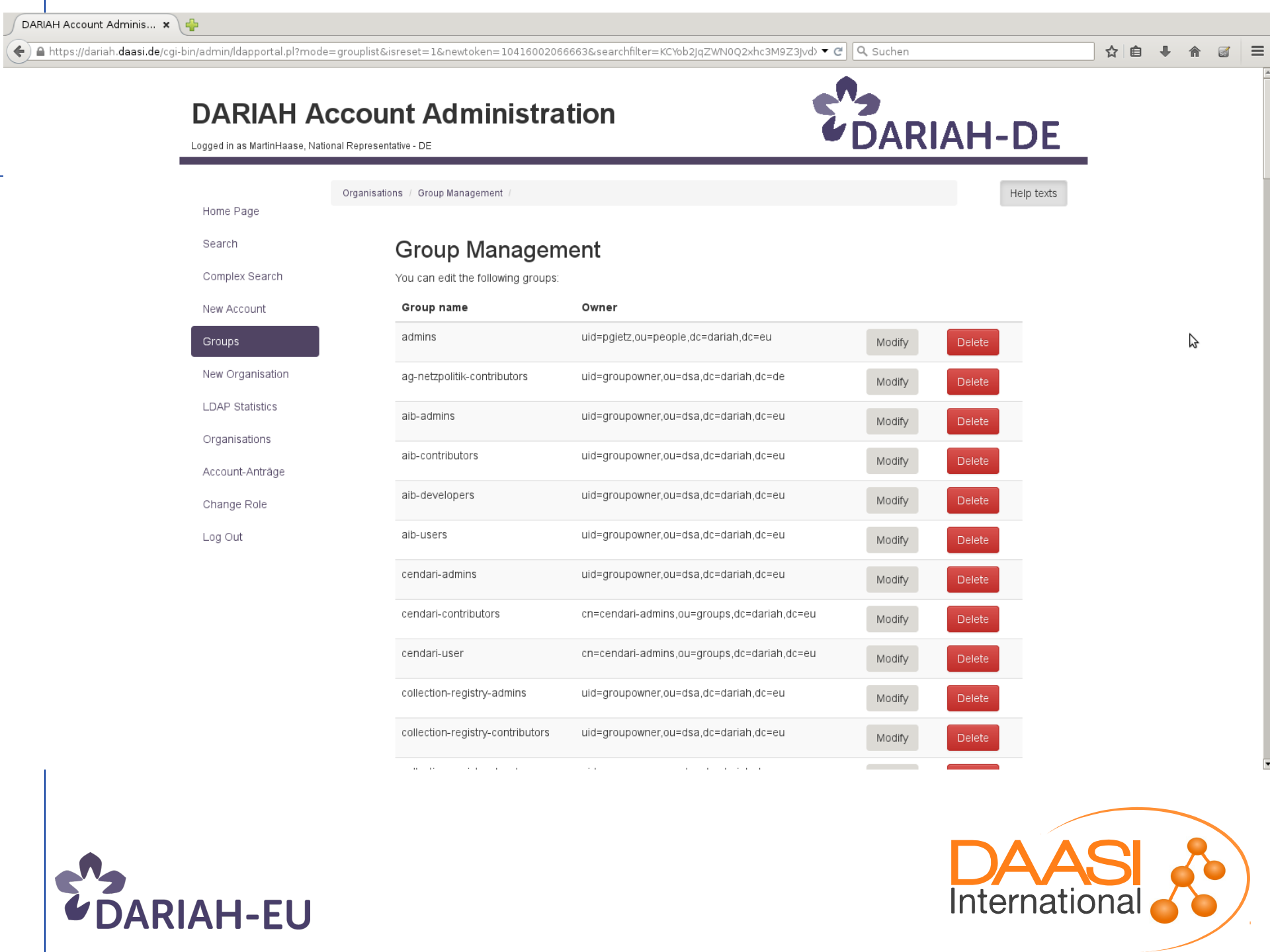

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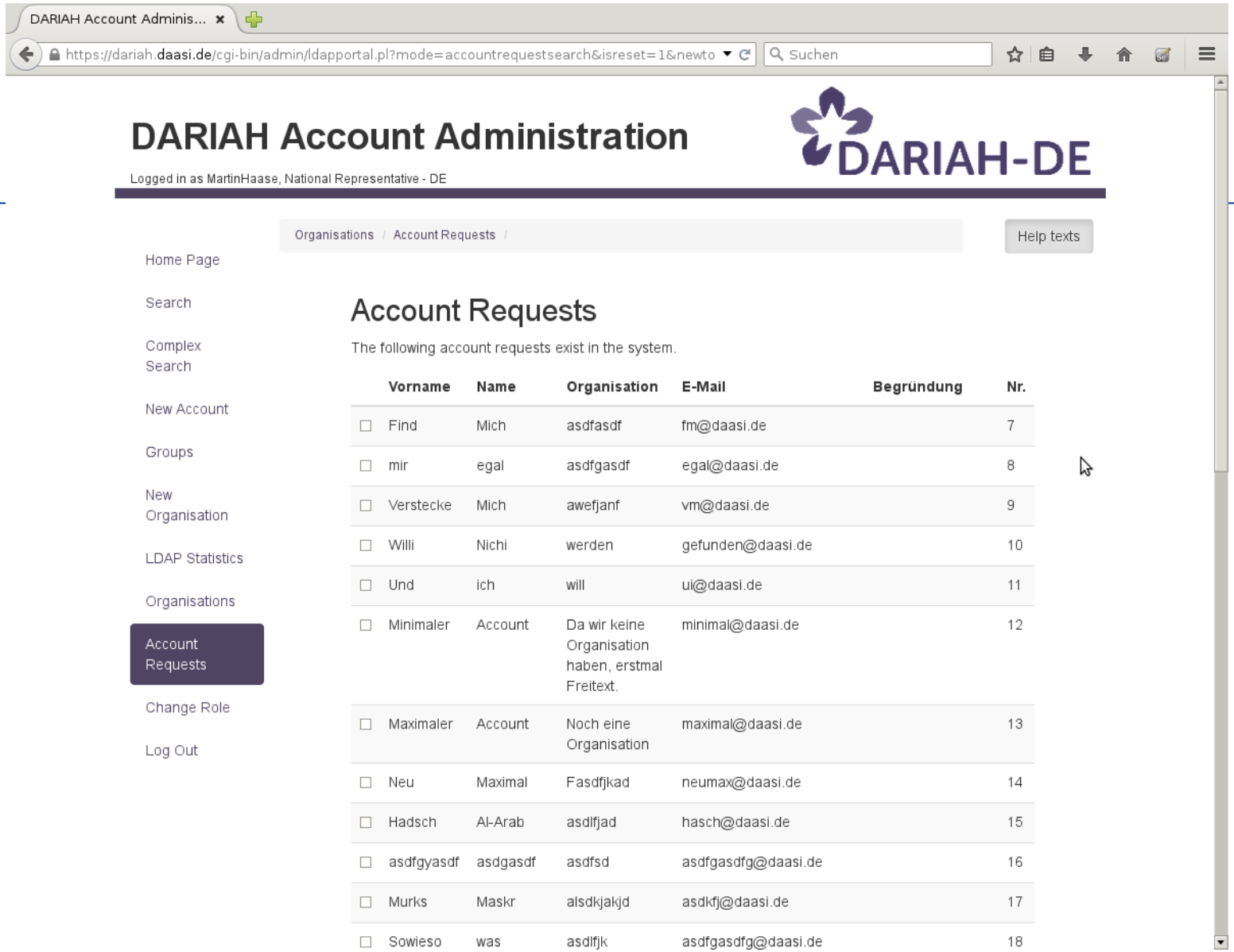

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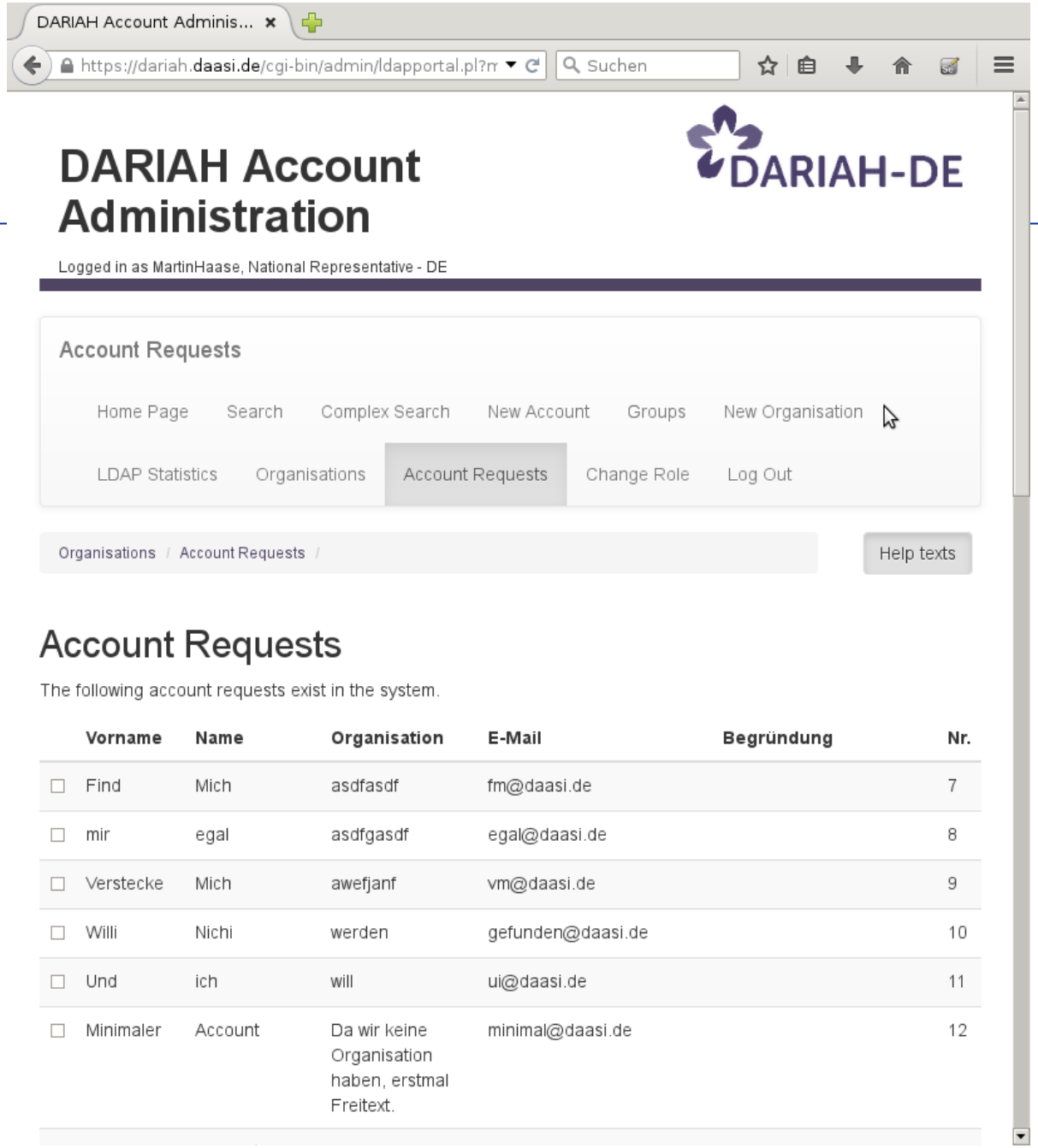

Yes:
Responsive design

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DARIAH Account Administration

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Logged in as MartinHaase, DCO-admin - organisations

Organisations / Browse /

Help texts

- Home Page
- Search
- Complex Search
- New Account
- Groups
- New Country
- LDAP Statistics
- Countries
- Account Requests
- Change Role
- Log Out

Browse in tree

you can browse through your subtree

Current entry:

DCO-admin, organisations, dariah	
DE, organisations, dariah	open
IT, organisations, dariah	open
NL, organisations, dariah	open
GB, organisations, dariah	open
IR, organisations, dariah	open
GR, organisations, dariah	open
BE, organisations, dariah	open

modify organisations, dariah

Visit the DARIAH Wiki

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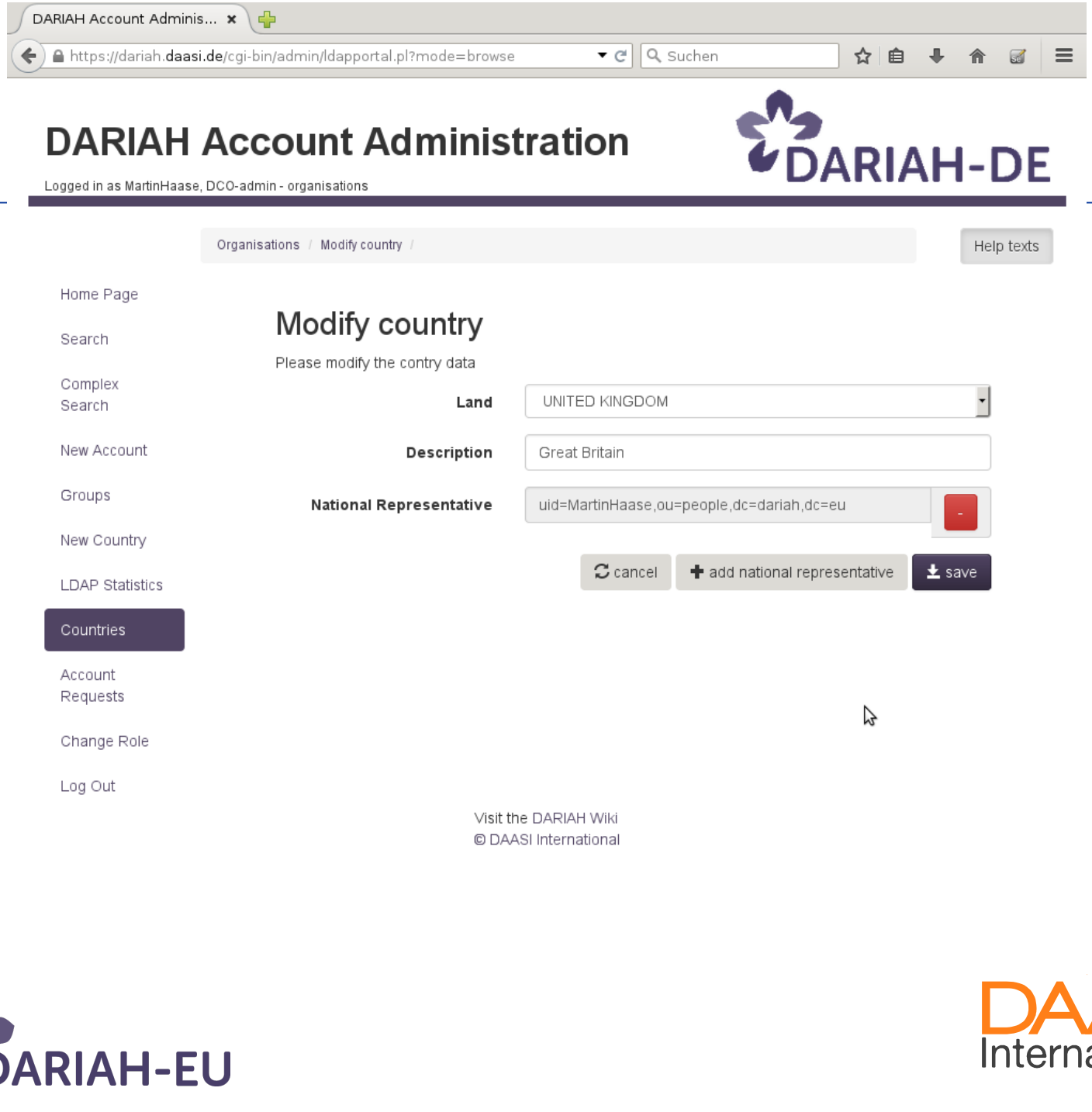

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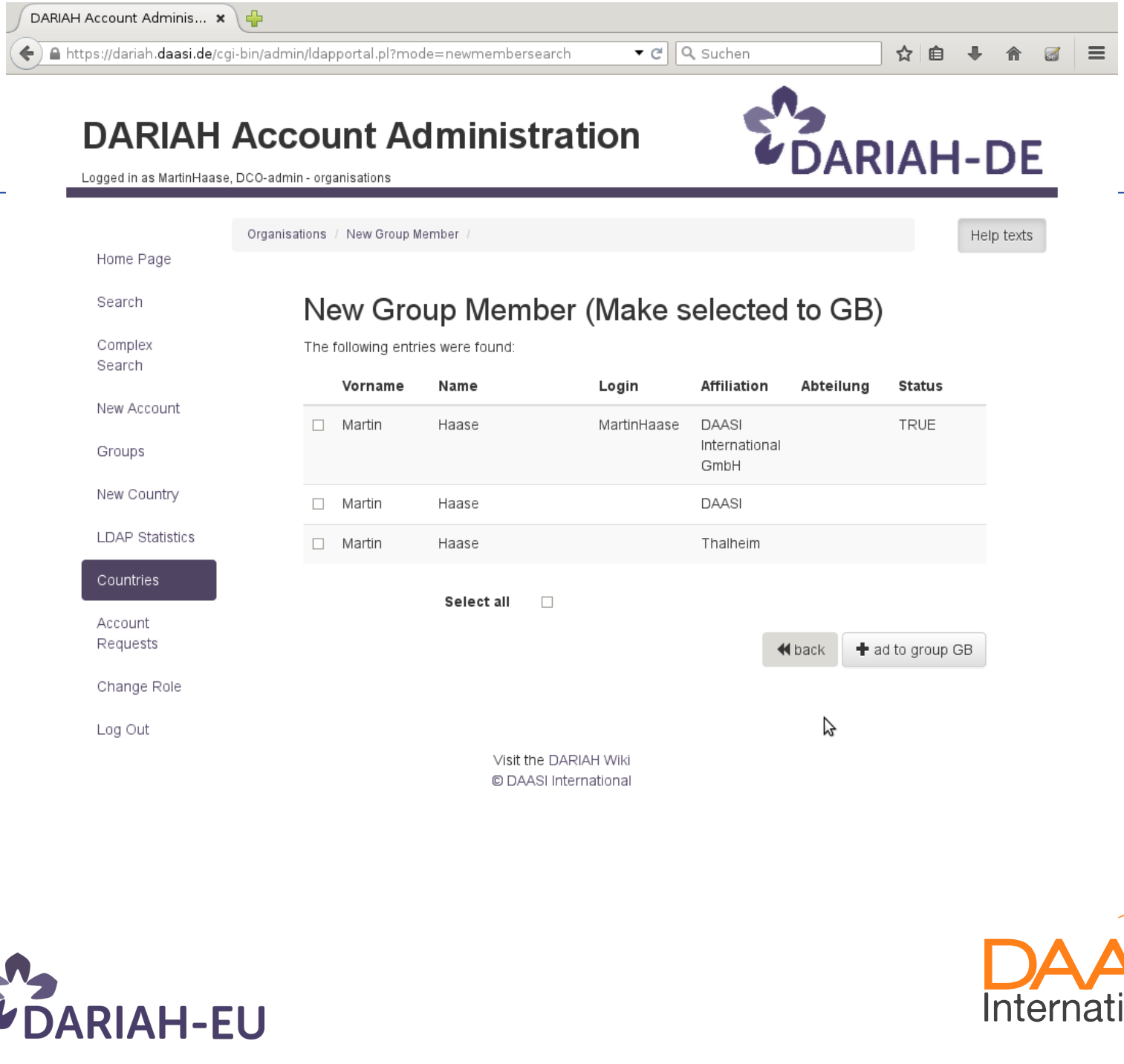

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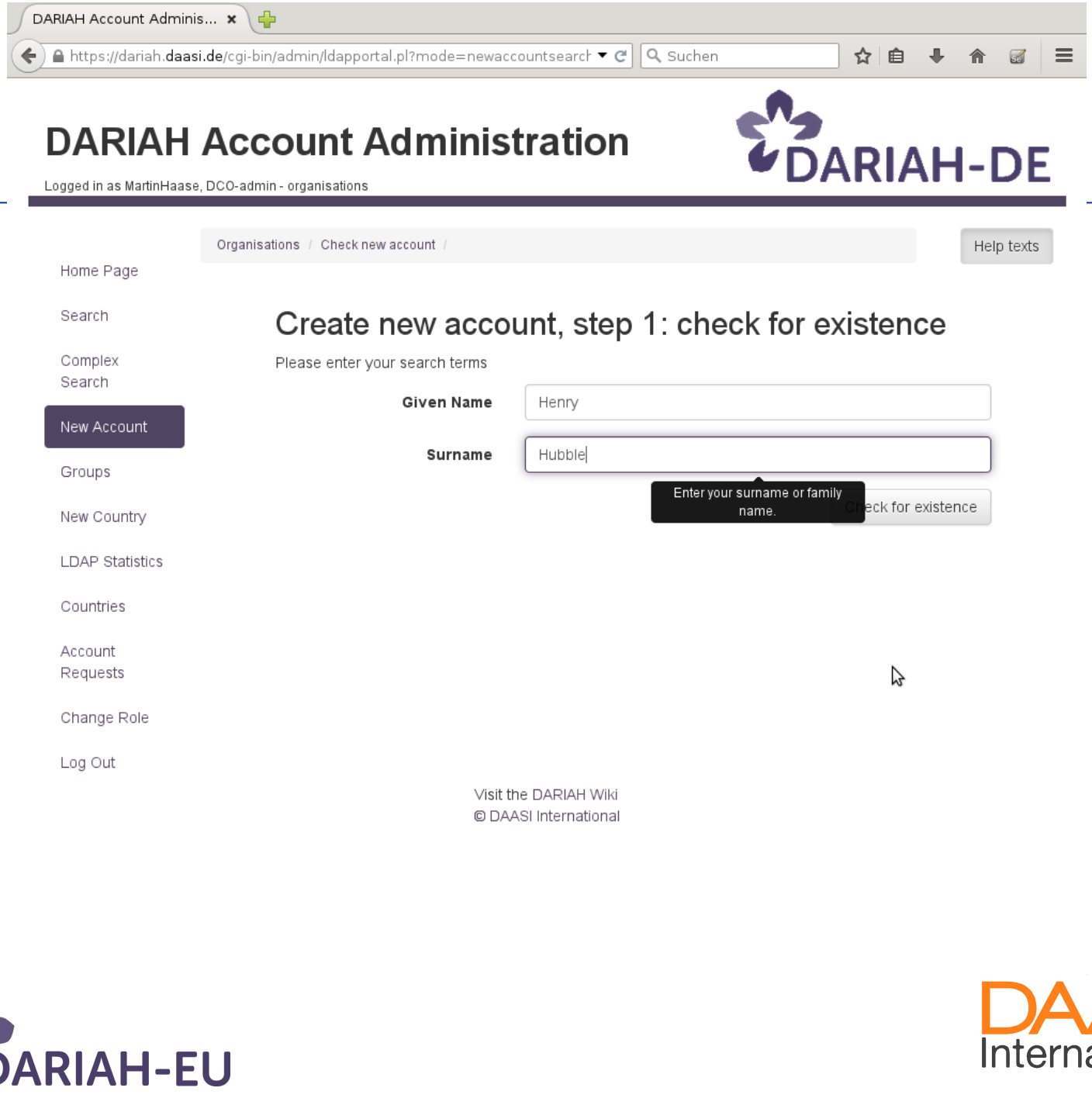

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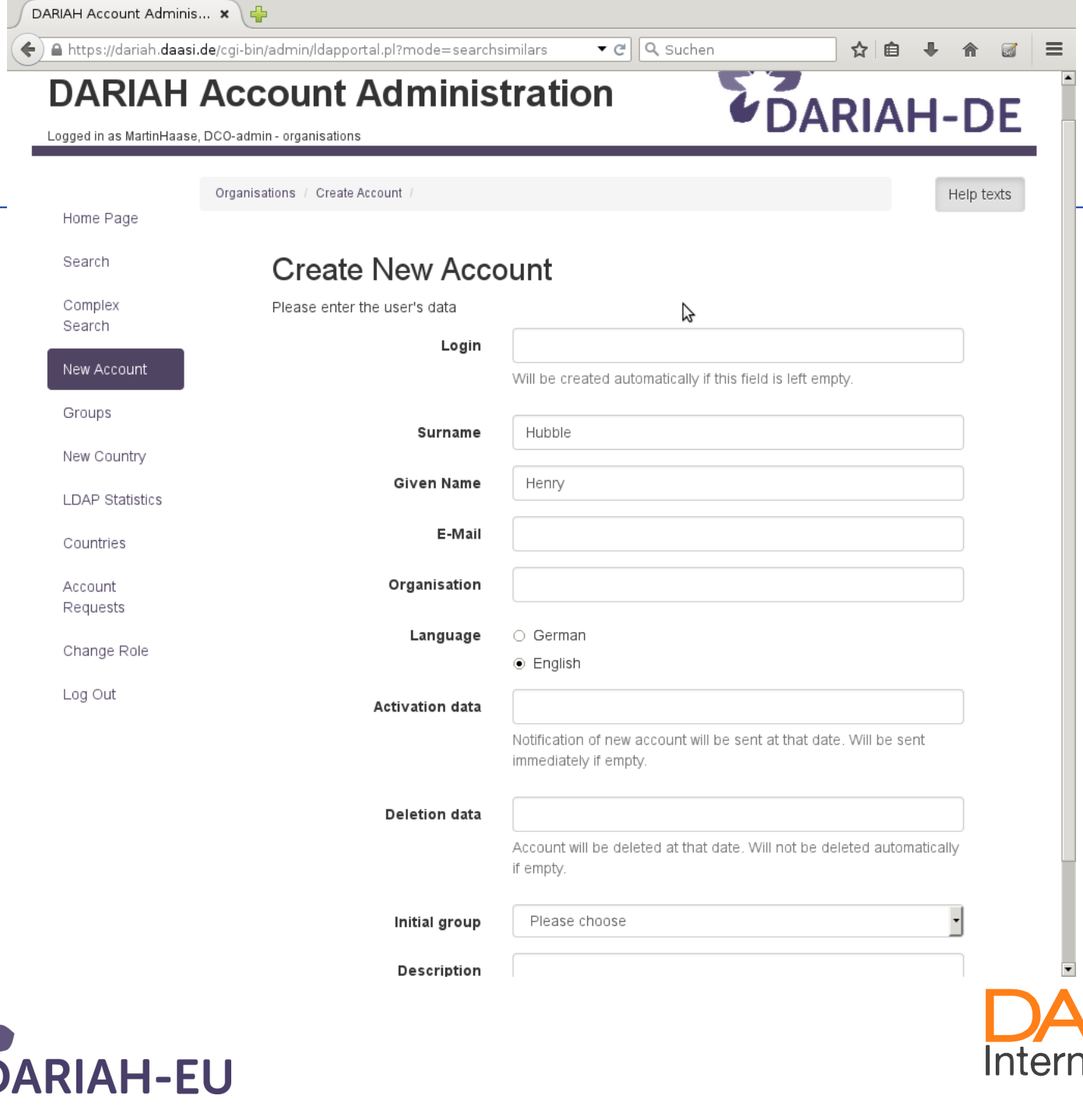

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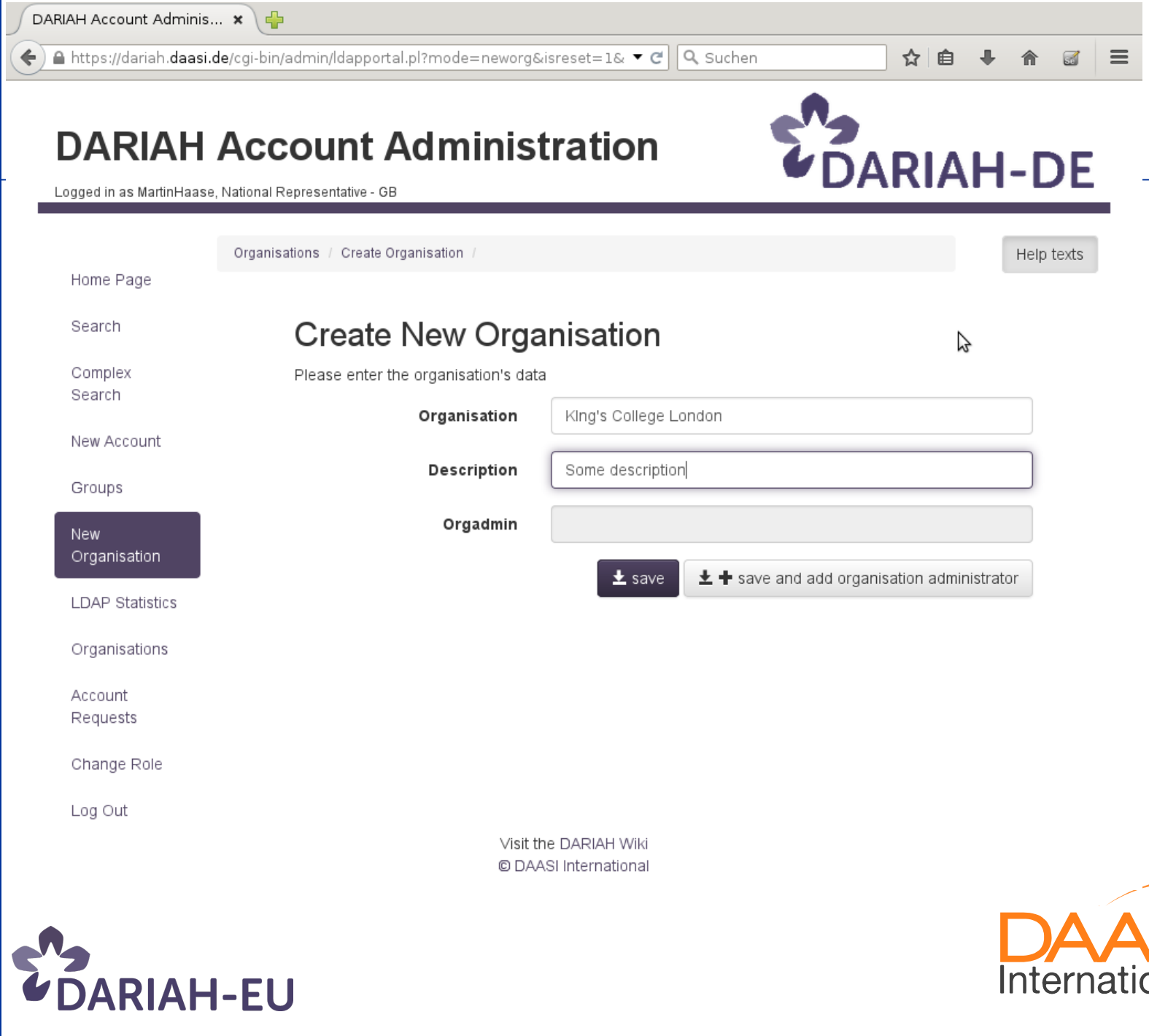

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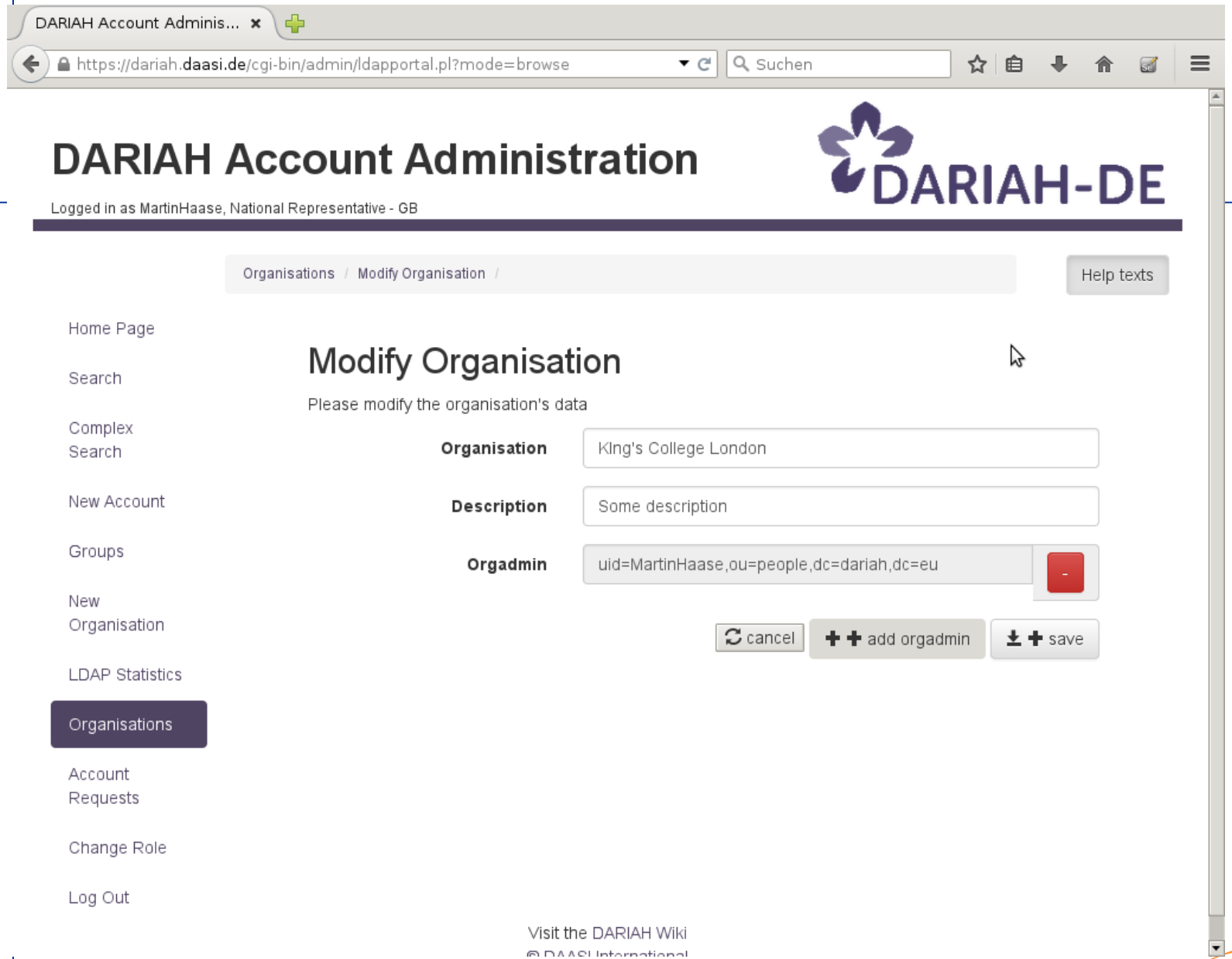

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Sustainability

- 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

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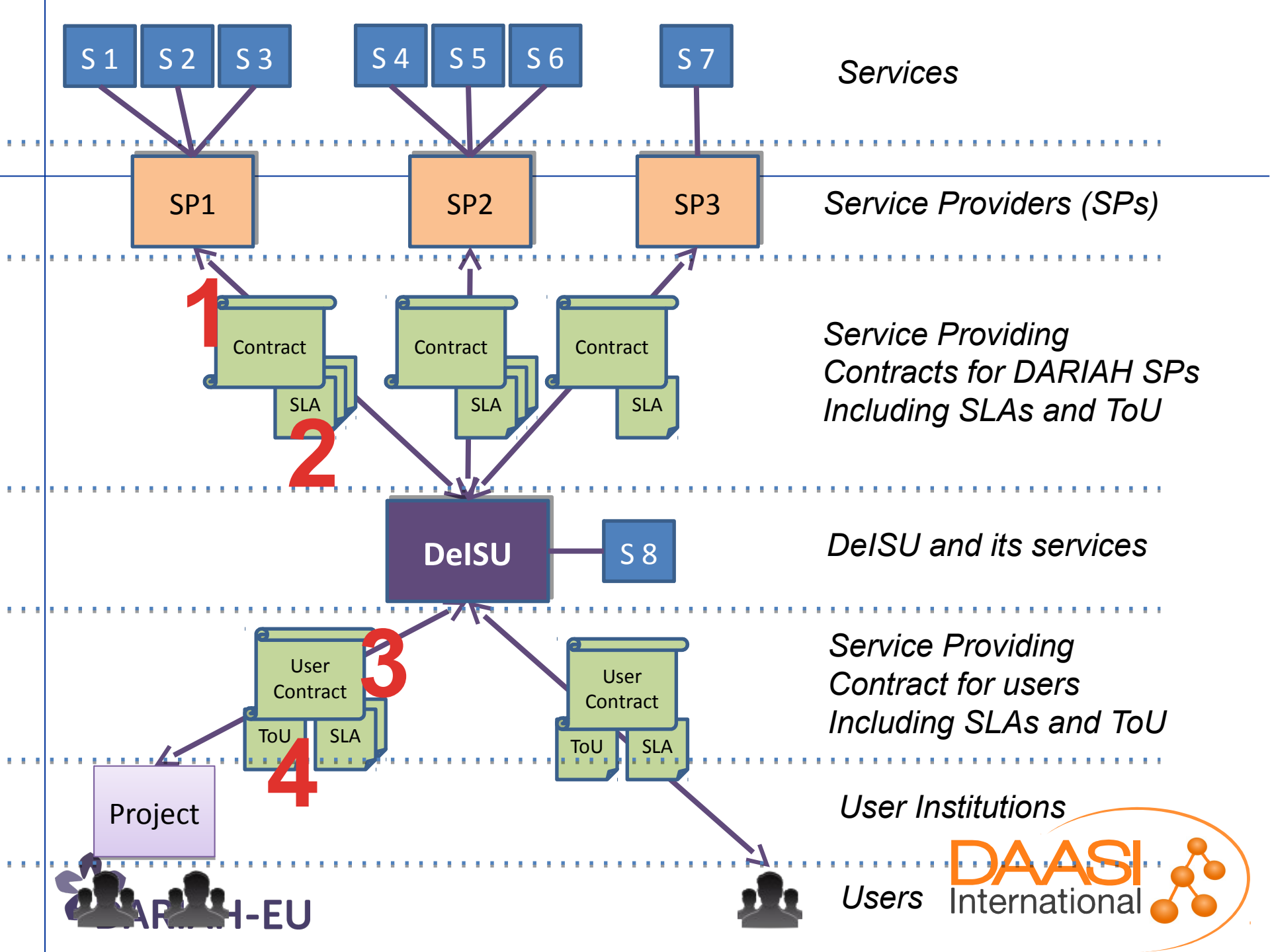
S 1
S 2
S 3
S 4
S 5
S 6
S 7
Services
SP1
SP2
SP3
Service Providers (SPs)
1
Contract
SLA
Contract
SLA
Contract
SLA
2
Service Providing
Contracts for DARIAH SPs
Including SLAs and ToU
DeISU
S 8
DeISU and its services
User
Contract
3
ToU
SLA
4
User
Contract
ToU
SLA
Service Providing
Contract for users
Including SLAs and ToU
Project
User Institutions
Users
DAASI
International

Summary

- DARIAH has a productive solution based on homeless-IdP and attribute authority
- Distributed user and priviledge 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

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Thank you for listening!

Questions?

Comments?

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