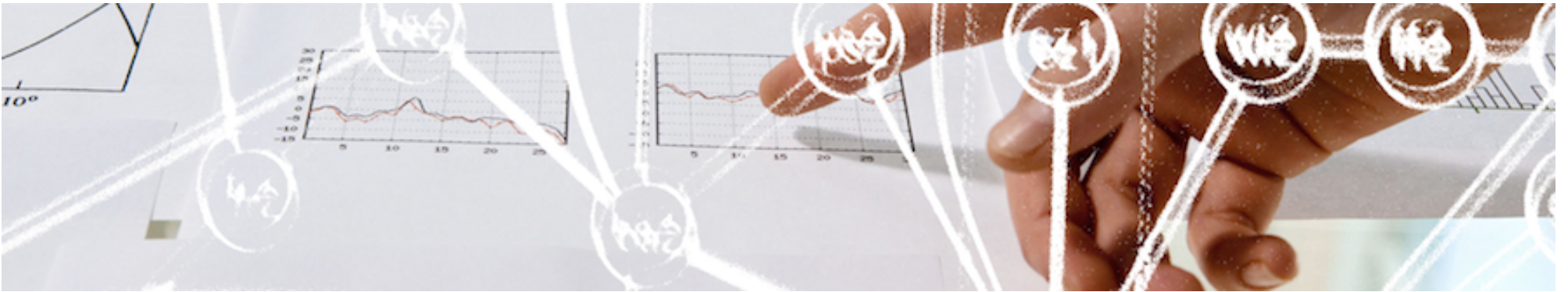


Swiss edu-ID Roadmap

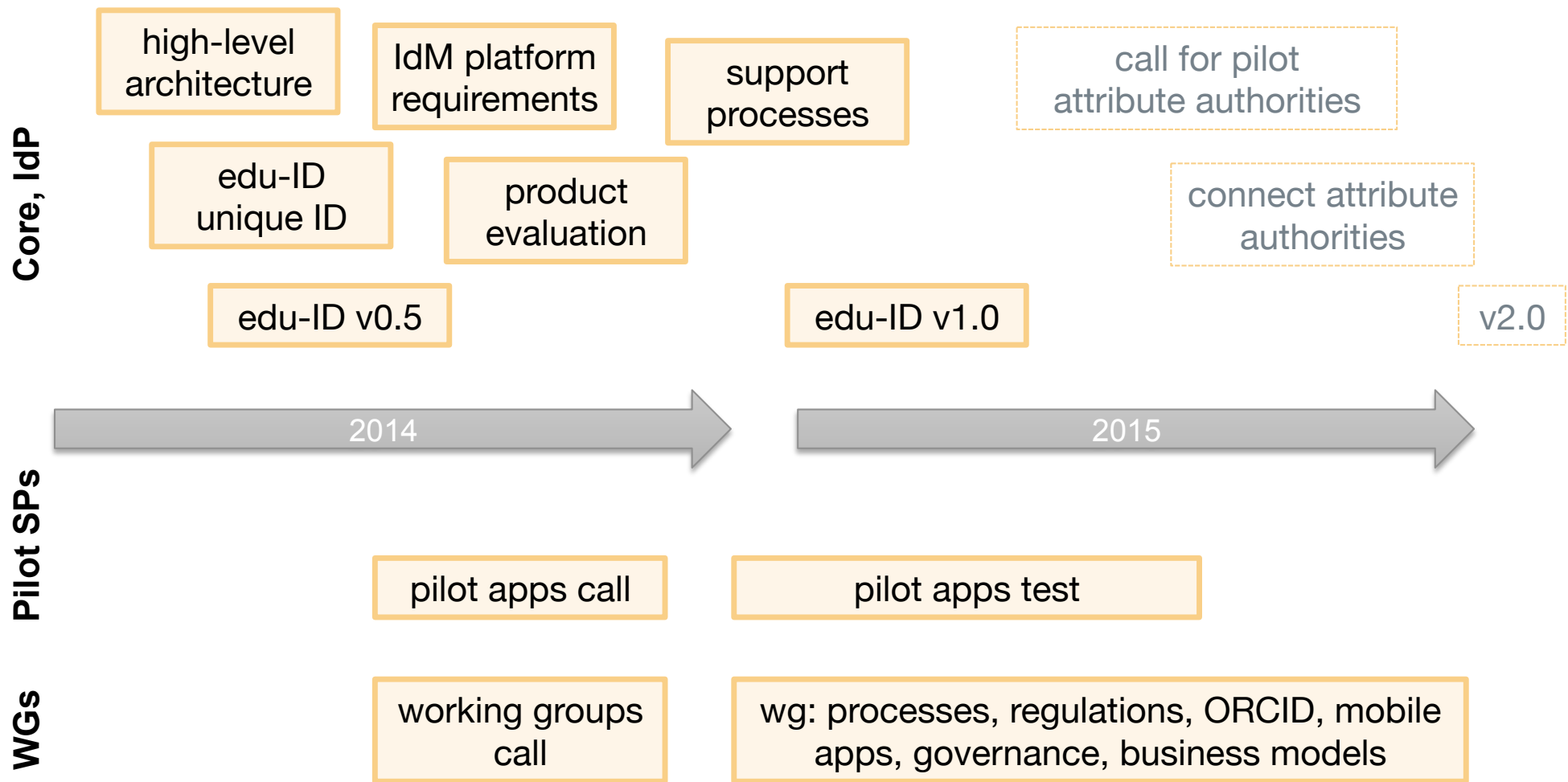


SWITCH

Rolf Brugger
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Bern, 13.8.2014

Roadmap Overview



The first small step – version 0.5

- Purpose: provide an early testbed for developers of other SUC projects
- Two new attributes in AAI test federation
 - `swissEduUniqueID`
Swiss edu-ID unique identifier as life-long identifier for Swiss Higher Education users
 - `eduPersonOrcid`
ORCID is a persistent digital identifier to link researchers to their professional activities (mainly publications)

```
User: eduid-demouser  
Pwd: demo  
https://attribute-viewer.aai.switch.ch/aai/  
(in the AAI Test Federation choose Demo Home Org)
```

Dependencies of national services and function blocks

E-Identity functions

National services		S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	S-11	S-12	S-13	S-14	S-15	S-16	S-17
Electronic identity		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Portfolio (career, degrees, training courses, own publications, etc.)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Support for online cooperation		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Personal repository (personal data)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Repository and use of shared data (papers, projects, etc.)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Service catalog and self-service for online services (hardware/software/tools)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Support for publishing papers		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Managing digital collections (licenses, open access, etc.)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Digitizing collections (publications, images, videos, maps, etc.)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Maintaining digital collections (publications, images, videos, maps, cultural heritage, etc.)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Archiving data (primary, secondary, projects, etc.)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Access to digital collections (publications, images, videos maps, cultural heritage, etc.)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Access to temporary computer resources		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Access to temporary storage resources		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Online examinations		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Online knowledge transfer		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Managing and providing online learning content		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

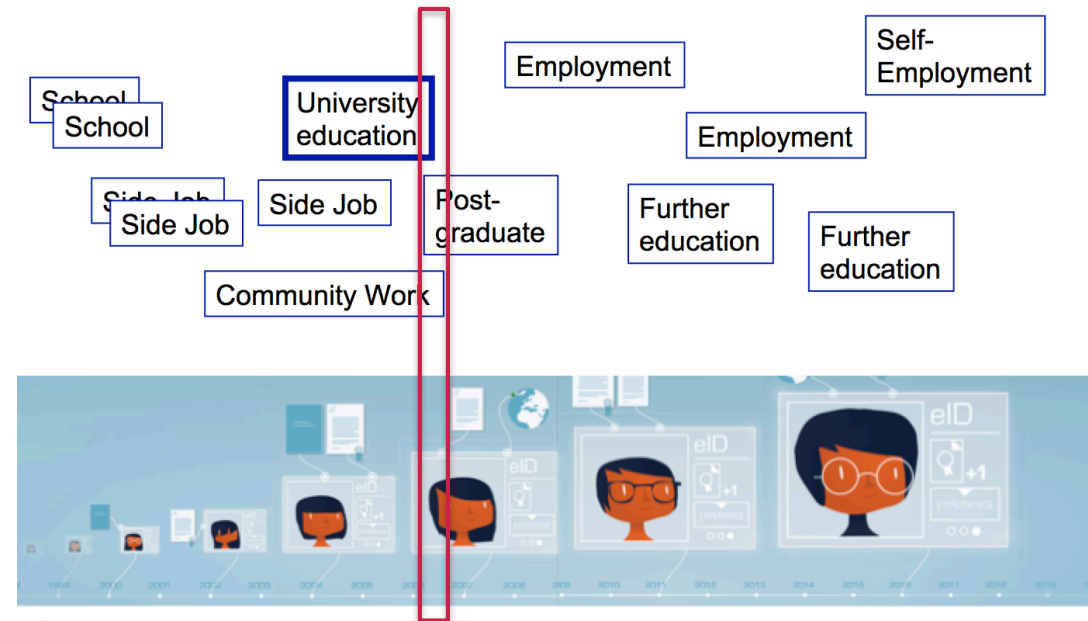
Function blocks

National Services

Swiss edu-ID version 1.0

With v1.0 we want to be able to

- Register Students approaching the end of their studies
- Give them continuing access to selected resources



v1.0 Requirements

- Set up an identity management platform with
 - Sign-up processes
 - Account recovery processes
 - Attribute validation processes
 - Processes to link AAI-based identities to the Swiss edu-ID
 - Processes to link external identities such as the ORCID
- Functional requirements
 - AAI compatibility
 - Suitable for non-web resources
 - Openness towards other interfaces:
OAuth2, OpenID Connect, Suisse ID, STORK, ...

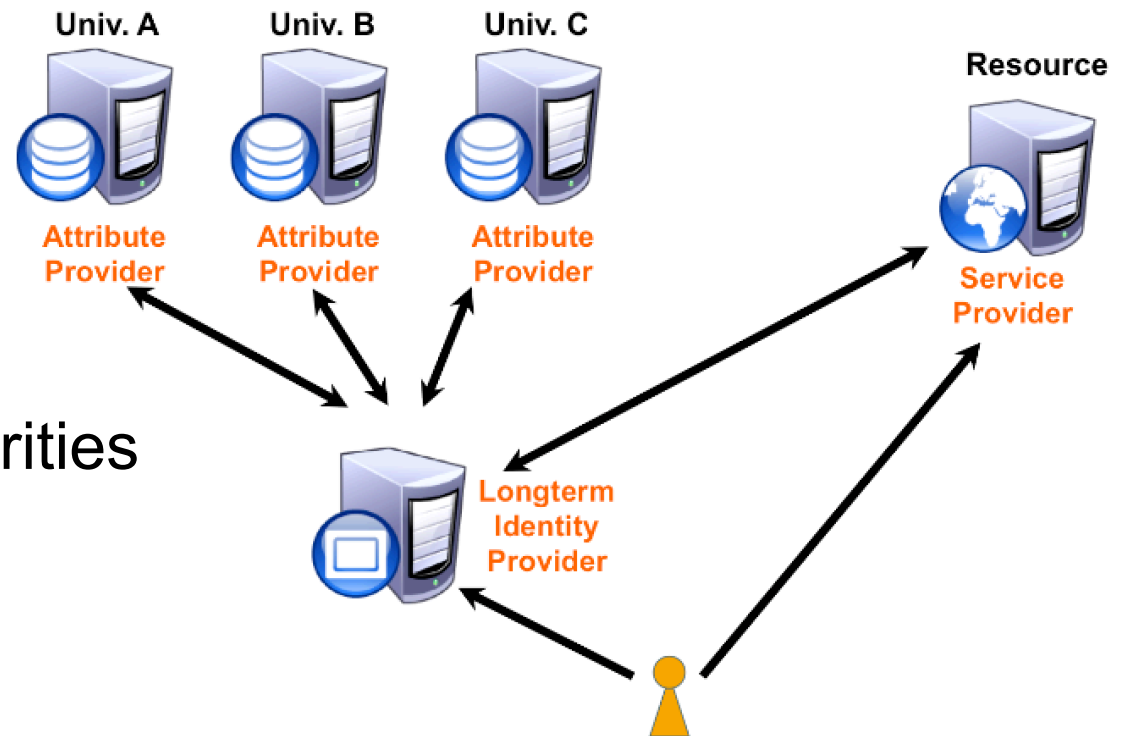
Version 2.0

Main feature:

- Connect attribute authorities

Preparation:

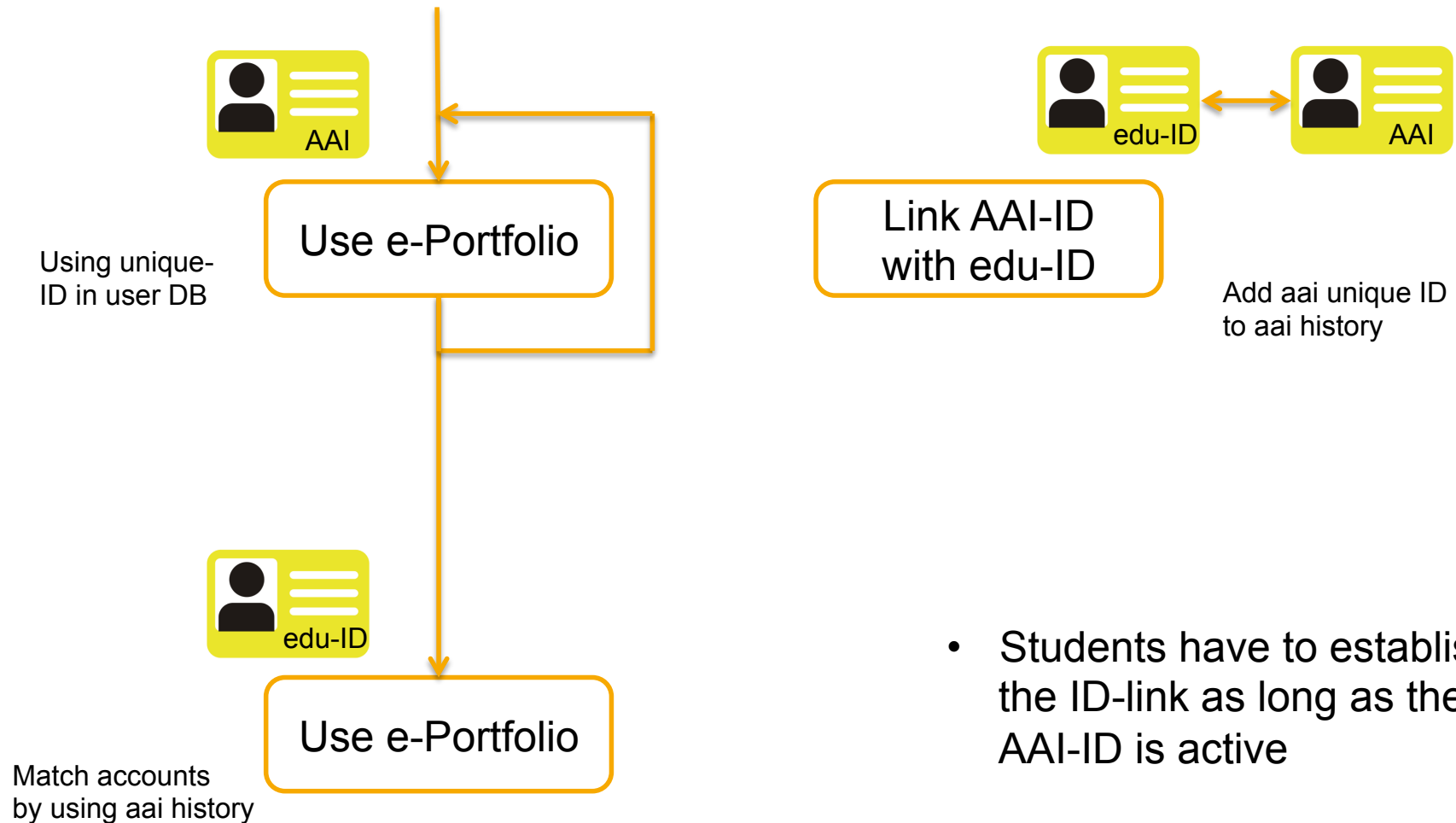
- working groups
 - Processes
 - Legal issues
- Attribute aggregation on IdM platform



Enabling services for v1.0

- Early candidates to support Swiss edu-ID
 - Attractive for students who are about to leave the university
 - SWITCHportfolio
 - SWITCHdrive
- Usability: Coexistence of AAI and Swiss edu-ID should not confuse Users

Pilot: SWITCHportfolio



- Students have to establish the ID-link as long as the AAI-ID is active

Pilot: SWITCHdrive

Currently

- A “Cloud-ID” is created, protected by AAI
- Use Cloud-ID password to access:
 - Web Client
 - Mobile Client
 - WebDAV service
- LDAP authentication

With edu-ID

- Optimal approach: full integration with edu-ID
 - Web Client (SAML, Shibboleth)
 - Mobile Client (OpenID Connect/OAuth2)
 - WebDAV service (?)

Call for pilot projects

Wanted: more services to be enabled for Swiss edu-ID.

Examples:

- Common web service, preferably of a library
- Non-web resource
- Application for mobile devices
- Resource using ORCID
- Resource using a community-ID or social service
- Resource interfacing/using existing ID-frameworks (STORK, SuisseID, Mobile ID, Swiss passport)

Deadline for project
submission at CRUS:
Feb 15th 2015