

The Swiss SWITCHaaI Federation

Deutscher Bibliothekartag, Mannheim, 4. June 2008



SWITCH

Serving Swiss Universities

Thomas Lenggenhager

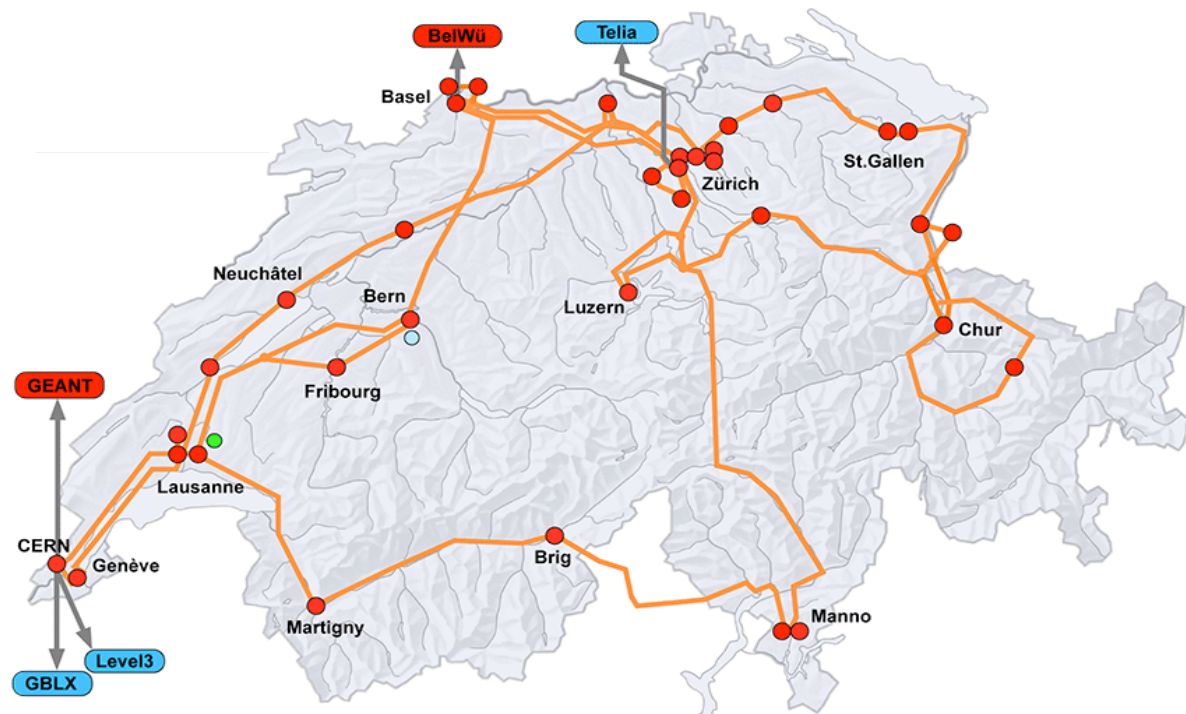
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Overview

- ① What is SWITCH?
- ② Why AAI in Switzerland?
- ③ Status of SWITCHAai Federation?
- ④ Library related AAI Activities
- ⑤ How to Authorize Authenticated Users?

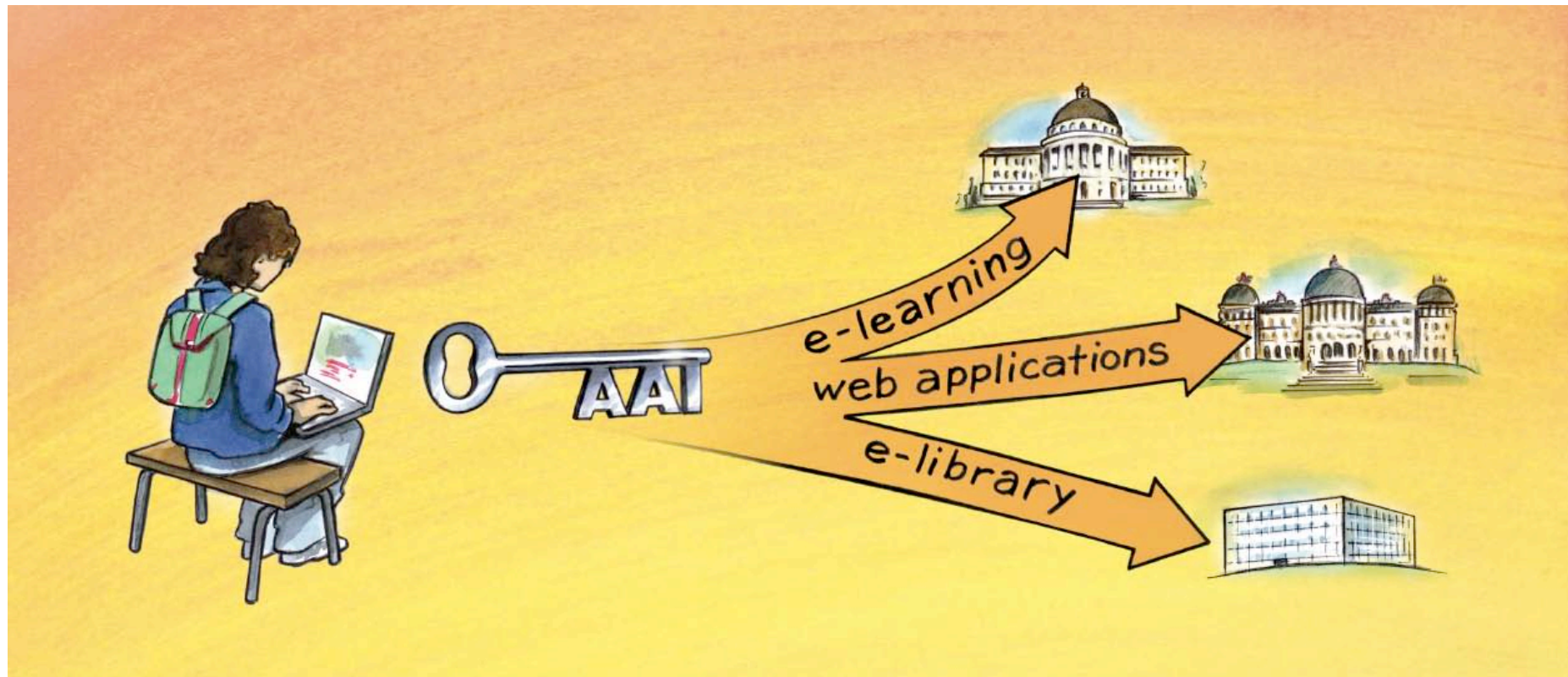
SWITCH - The Swiss NREN

- SWITCH - National Research & Education Network
 - Operates Backbone for Higher Education & Research
 - Offers Services like
 - AAI
 - CERT
 - Collaboration Support
 - E-Conferencing
- Domain Name Registration
 - .CH & .LI



AAI - Key to access them all

AAI = Authentication and Authorization Infrastructure

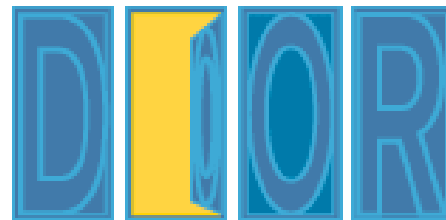


The Origin – Authentication for Virtual Campus

E-Learning Platforms a.k.a. Learning Management Systems



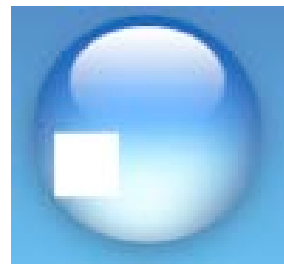
OLAT - Online Learning And Training
The Open Source Learning Management System



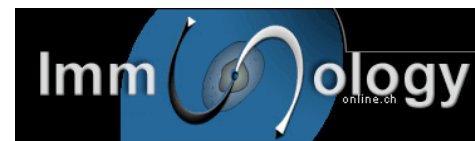
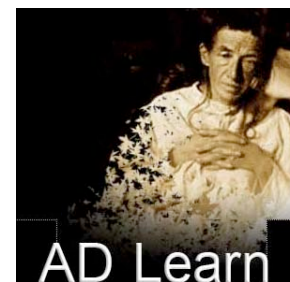
DOOR



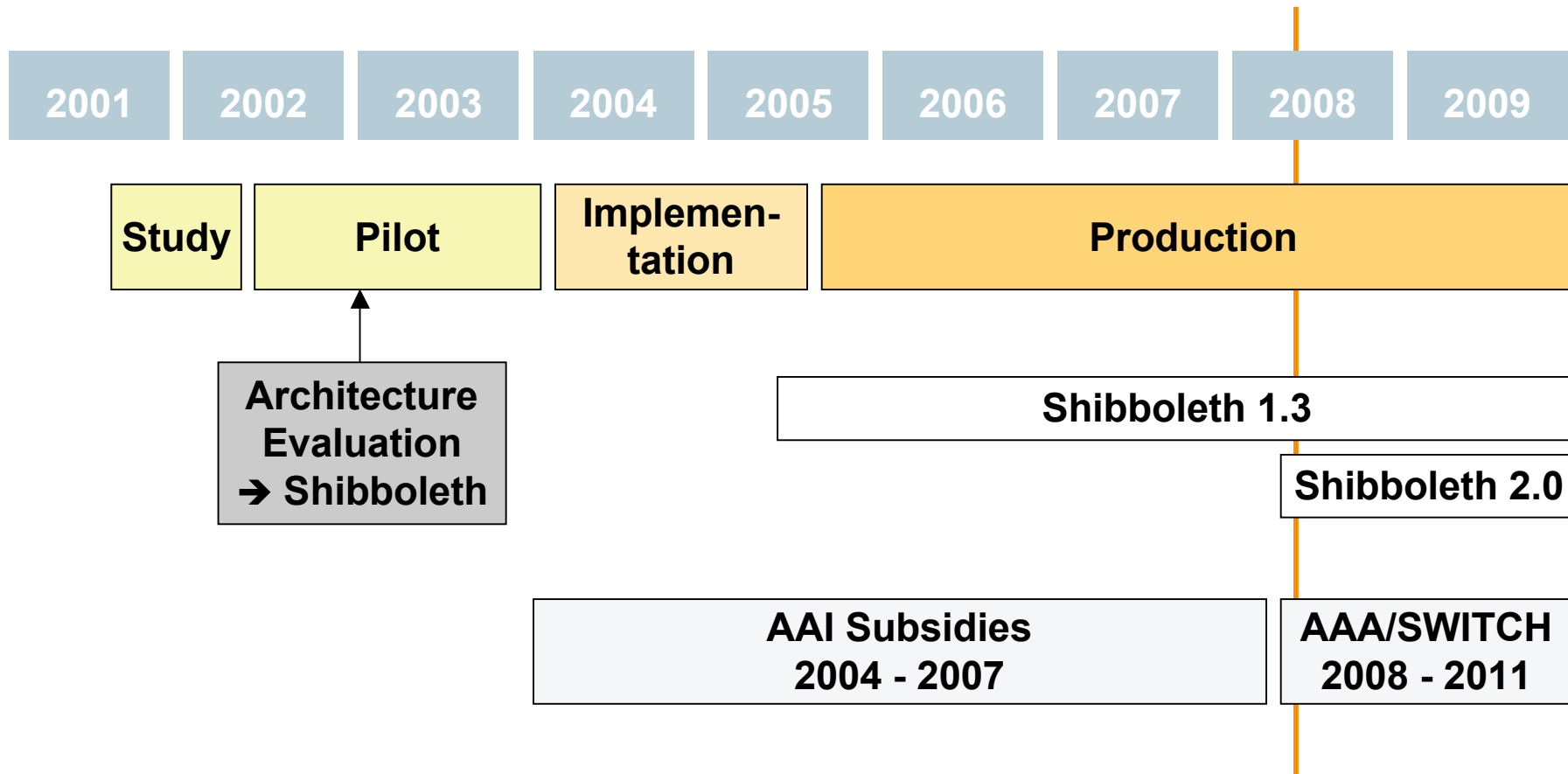
CLAROLINE.NET



dokeos



SWITCHaai Project Timeline



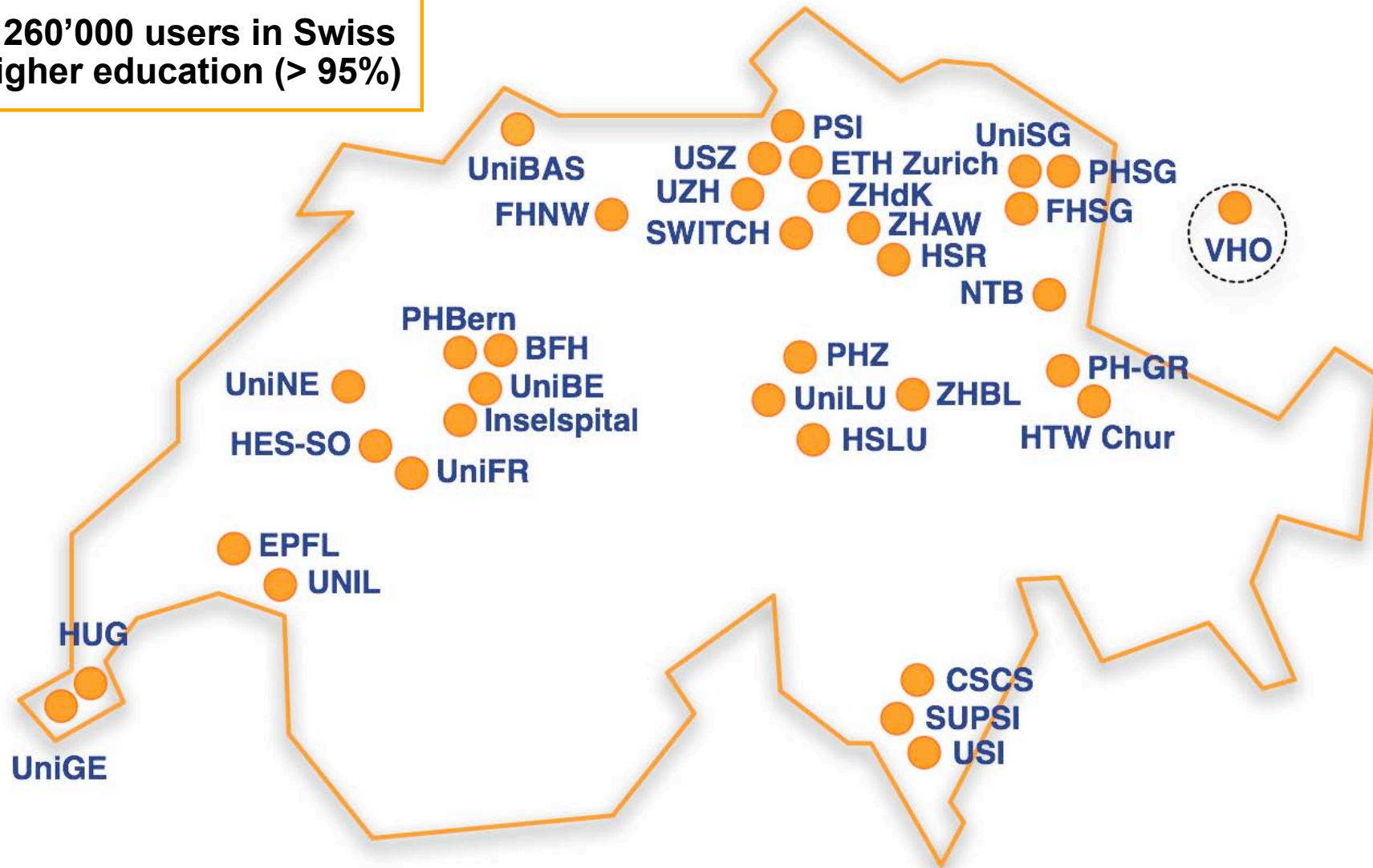
Nov 1999: Term AAI first time mentioned in a document

Nov 2000: AAI Workshop

Home Organizations in SWITCHaai

Coverage

> 260'000 users in Swiss higher education (> 95%)



Library Related Services Protected by AAI

- In use today
 - Multile organizational Ezproxy servers

mediaserver.unige.ch



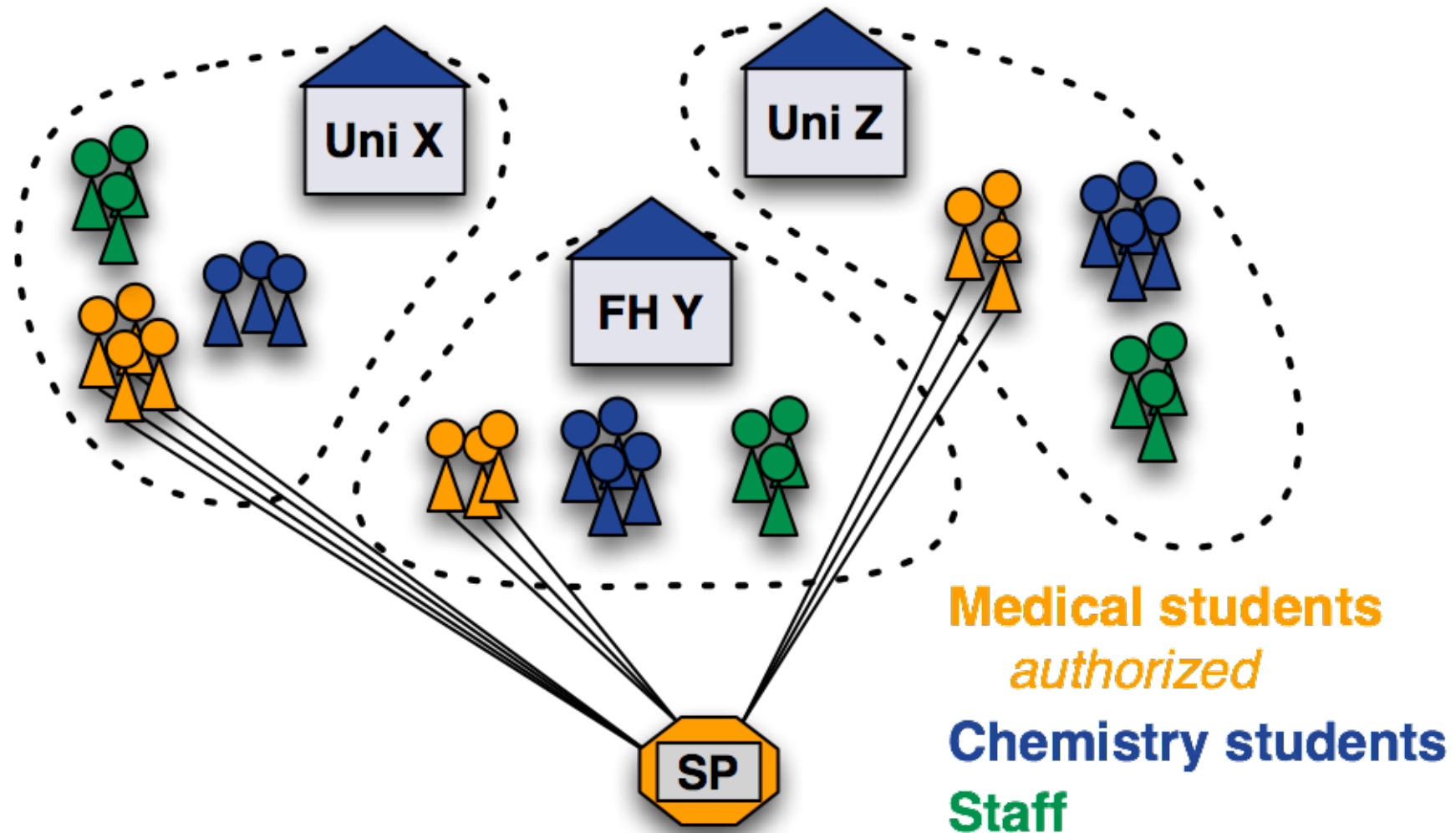
SCOPUS

- Planned
 - Fedora based repository
 - Further e-content providers
 - Projects of e-lib.ch

How to Authorize Authenticated Users? (1)

- A generic problem
 - Important for Libraries
 - Users originate from many Home Organizations
 - Whom to allow to do what?
- Attributes made available by AAI may help...
 - e.g. affiliation or studyBranch

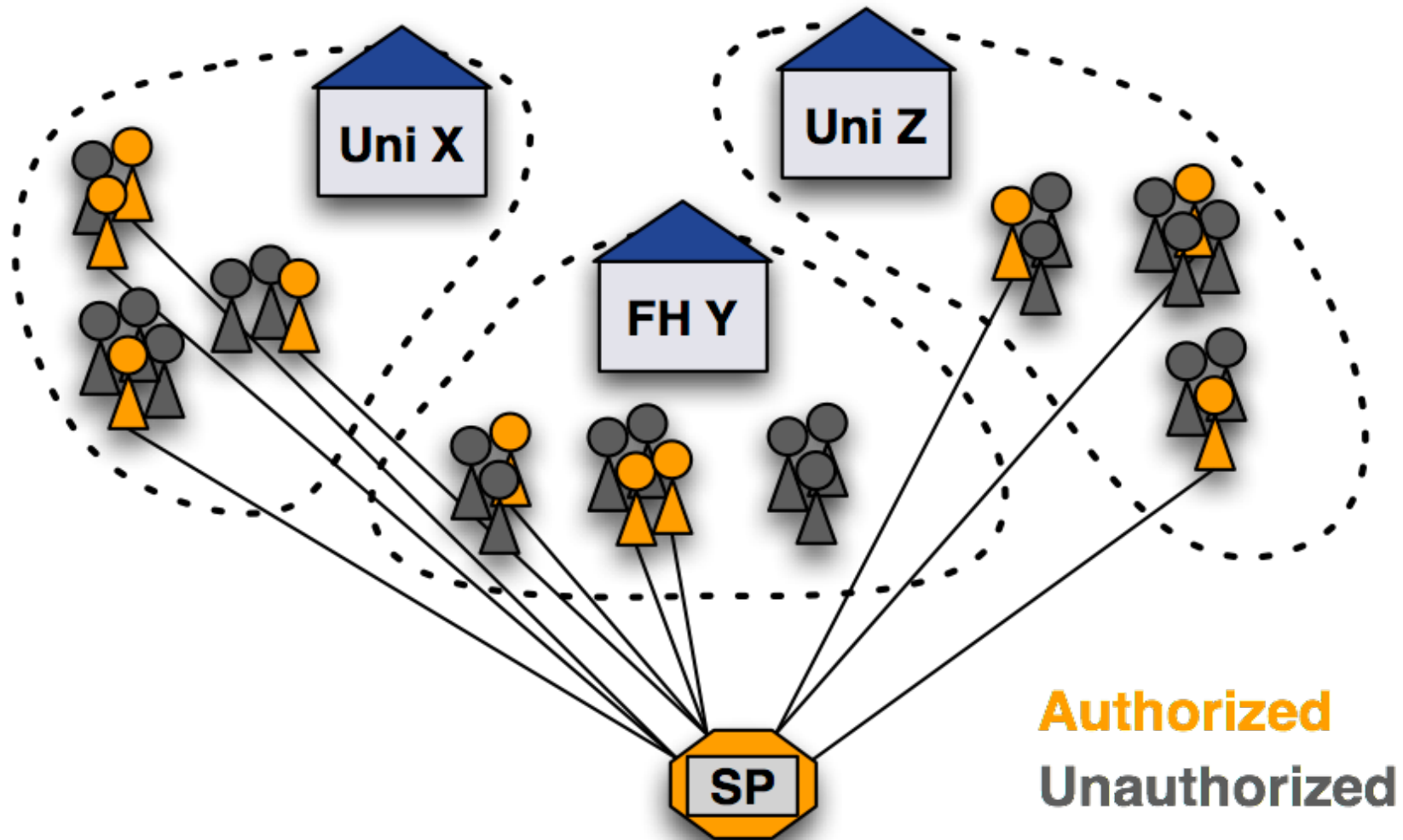
Authorize by Affiliation & Study Branch Attribute



How to Authorize Authenticated Users? (2)

- A generic problem
 - Important for Libraries
 - Users originate from many Home Organizations
 - Whom to allow to do what?
- Attributes made available by AAI may help...
 - e.g. affiliation or studyBranch
- **...special entitlement values for special cases...**
 - **e.g. common-lib-terms**

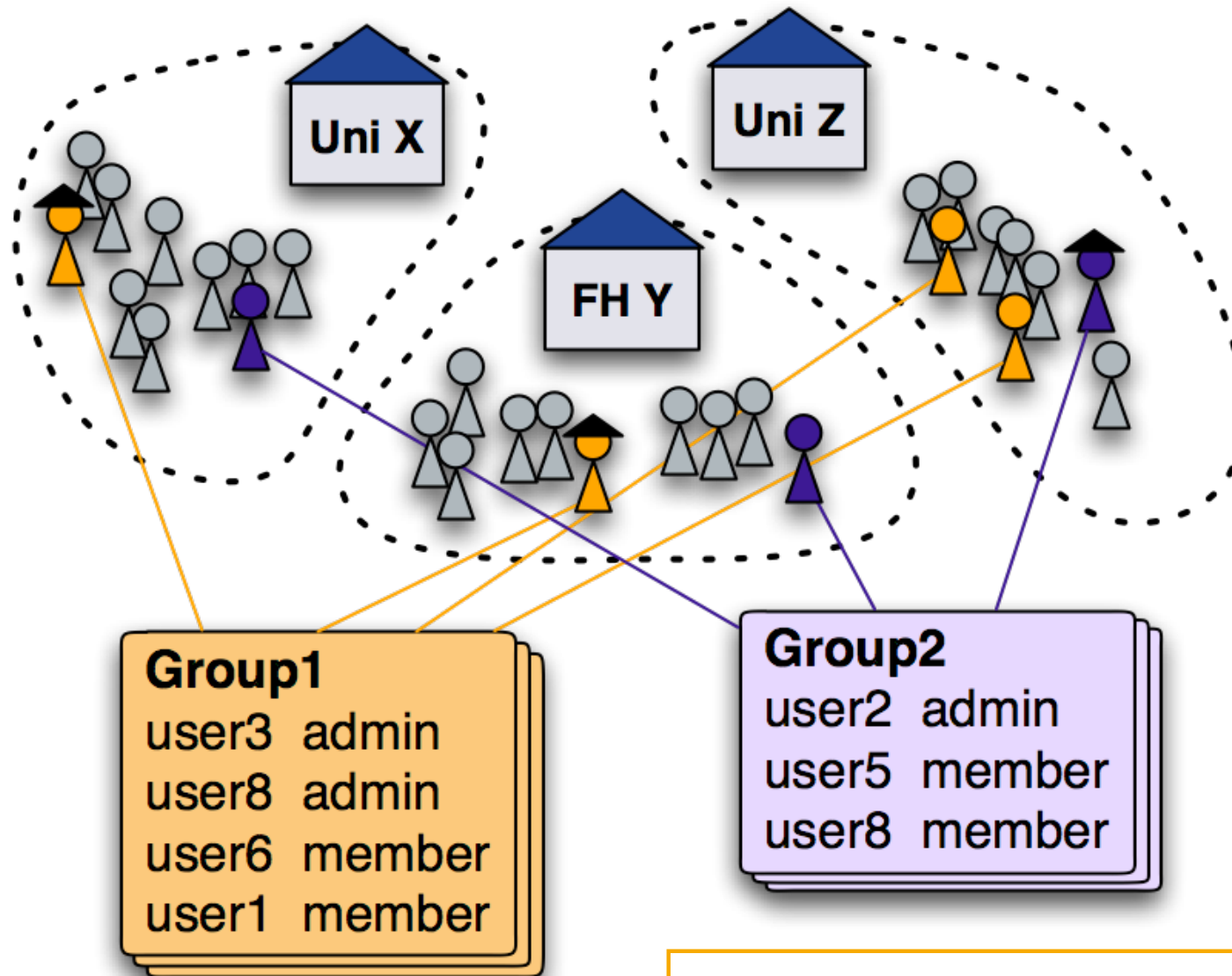
Authorize by Entitlement Attribute



How to Authorize Authenticated Users? (3)

- A generic problem
 - Important for Libraries
 - Users originate from many Home Organizations
 - Whom to allow to do what?
- Attributes made available by AAI may help...
 - e.g. affiliation or studyBranch
- ...special entitlement values for special cases...
 - e.g. common-lib-terms
- **...but not always acceptable**
 - **Home Organizations do not want to manage project specific user attributes**

Group Management Tool



<http://www.switch.ch/aai/gmt>

Support for Virtual Organizations

- Group Management Tool
 - Useful for simple and small scale group management
 - One or few servers use the group information
- Virtual Organization Support
 - Required for generic and scaling group management
 - Many (perhaps widely spread) servers use group information

SWITCHaai Link Collection

- SWITCHaai Web Site
 - <http://www.switch.ch/aai>
- Shibboleth Demo (Version 1 and 2)
 - <http://www.switch.ch/aai/demo>
- AAI Tools
 - <http://www.switch.ch/aai/tools>
- Contact AAI-Team
 - aai@switch.ch