



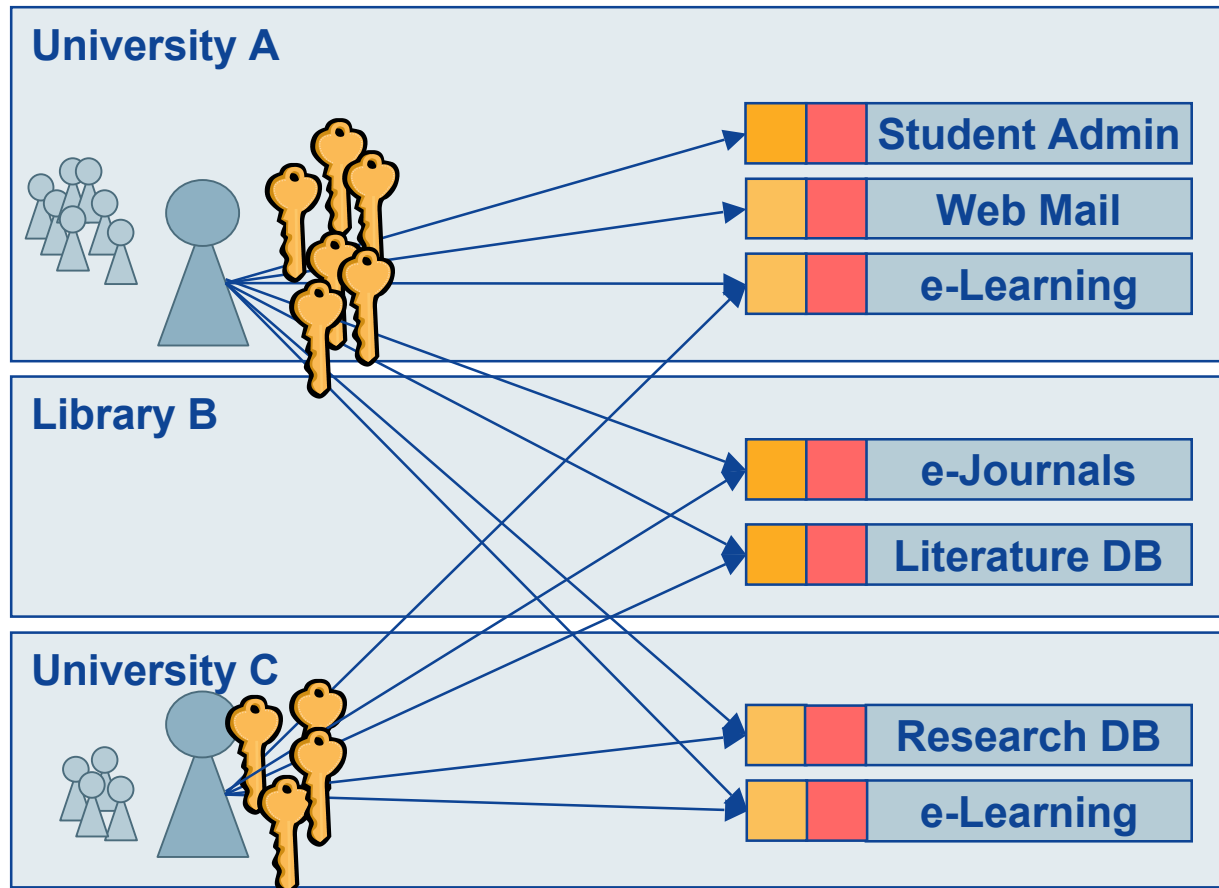
SWITCH

The Swiss Education & Research Network

Introduction to AAI

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Without AAI



- Tedious user registration at all resources
- Unreliable and outdated user data at resources
- Different login processes
- Many different passwords
- Many resources not protected due to difficulties
- Often IP-based authorization
- Costly implementation of inter-institutional access

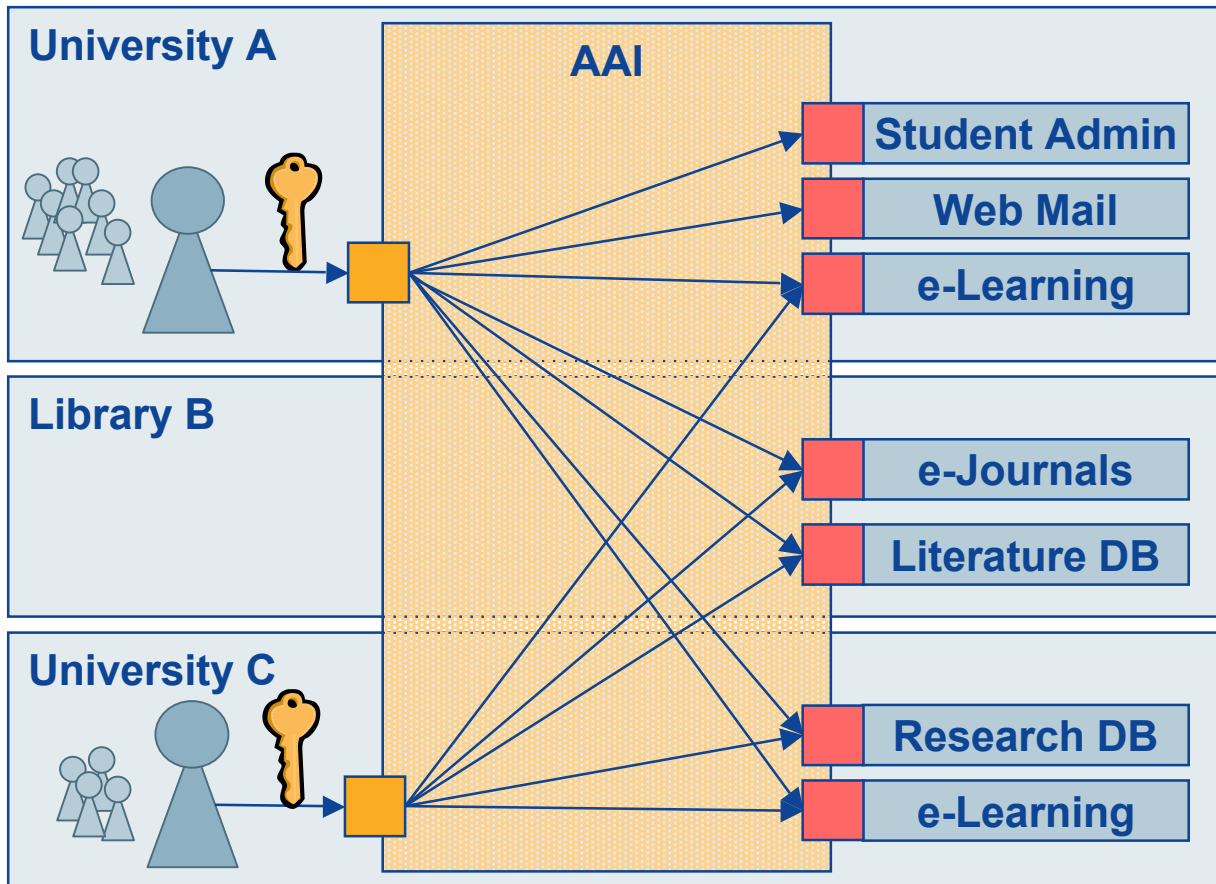
User Administration
Authentication

Authorization

Resource

 Credentials

With AAI



- No user registration and user data maintenance at resource needed
- Single login process for the users
- Many new resources available for the users
- Enlarged user communities for resources
- Authorization independent of location
- Efficient implementation of inter-institutional access

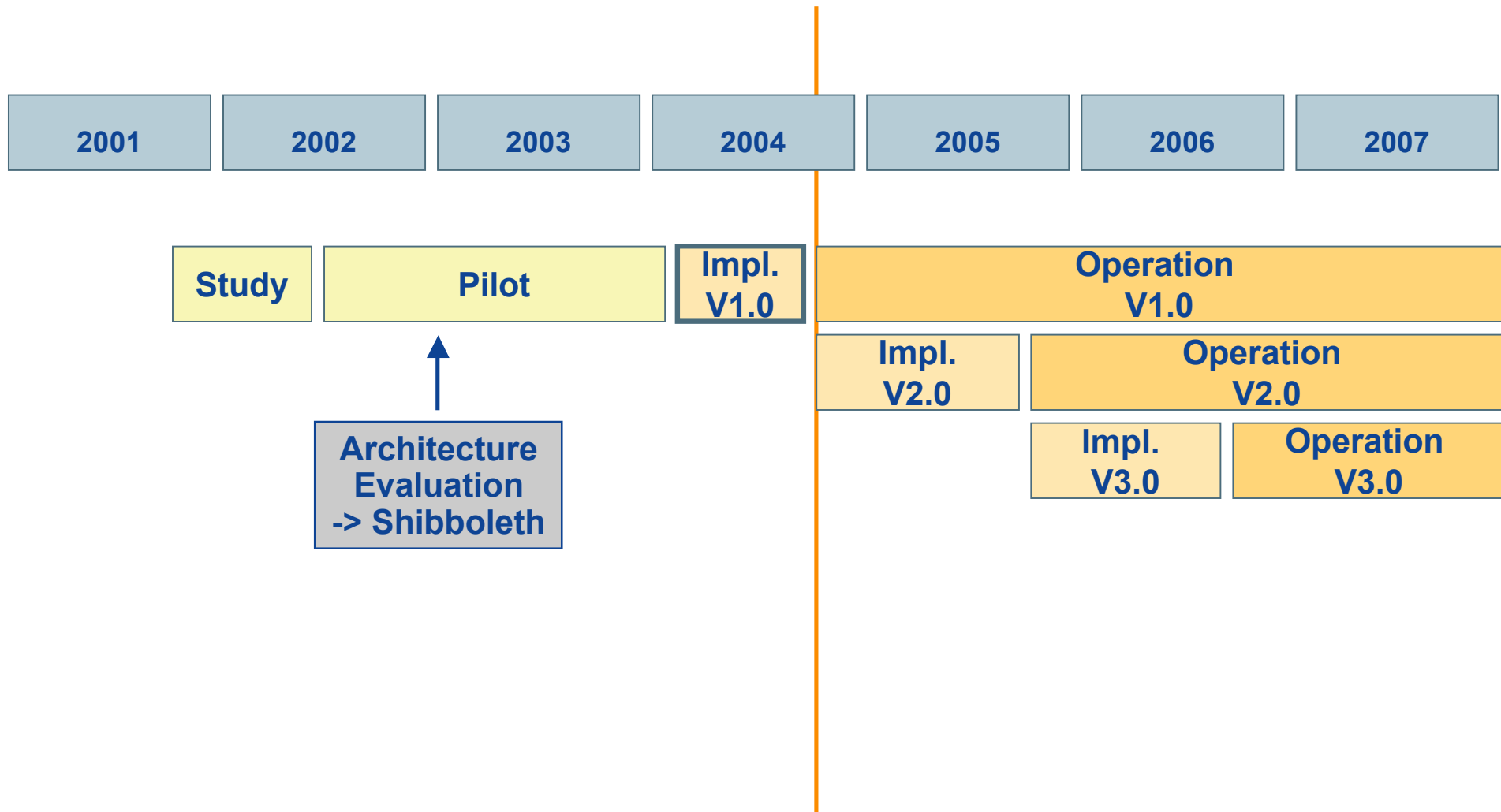
User Administration
Authentication

Authorization

Resource

 Credentials

SWITCH Hai Project Planning



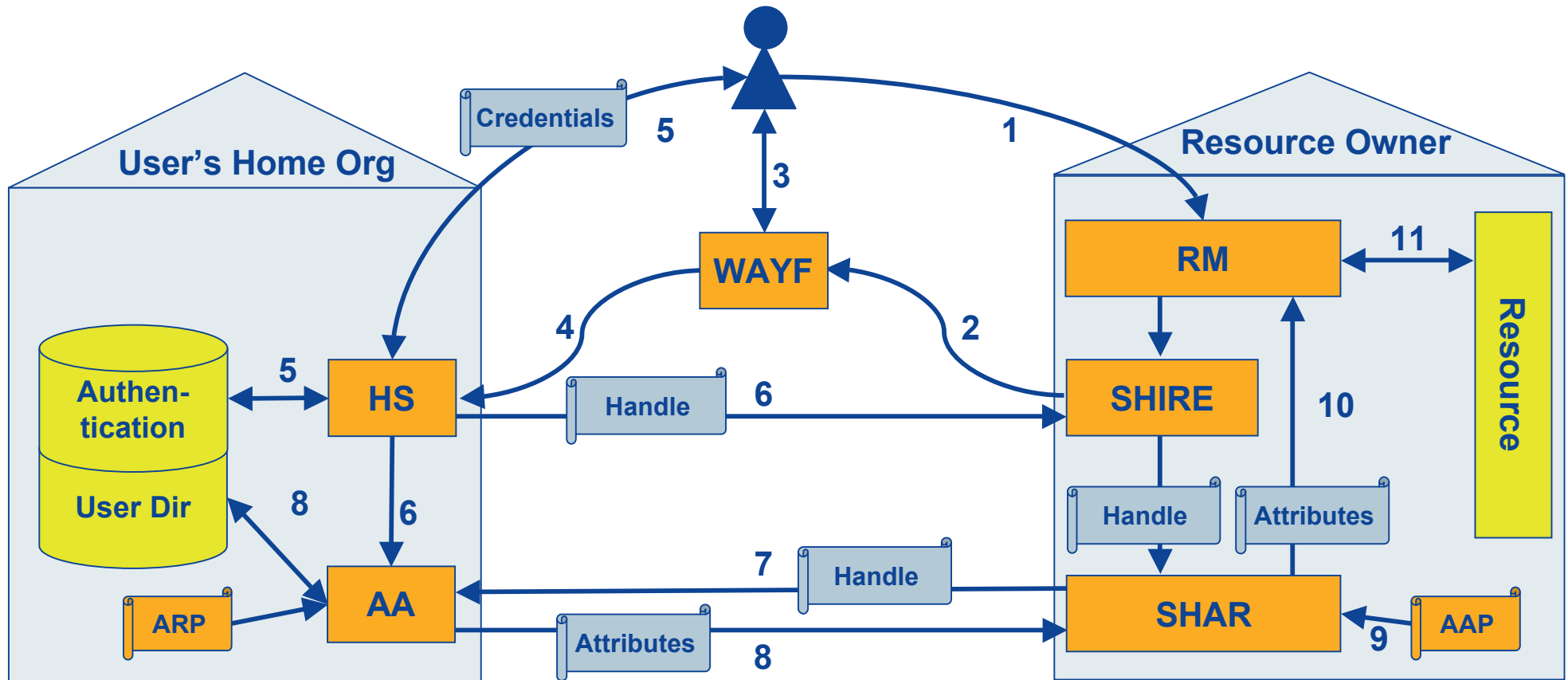
□ <http://www.switch.ch/aai>

-> Demo

-> Try it yourself

(<https://kohala.switch.ch/secure>)

Shibboleth Process: The Details



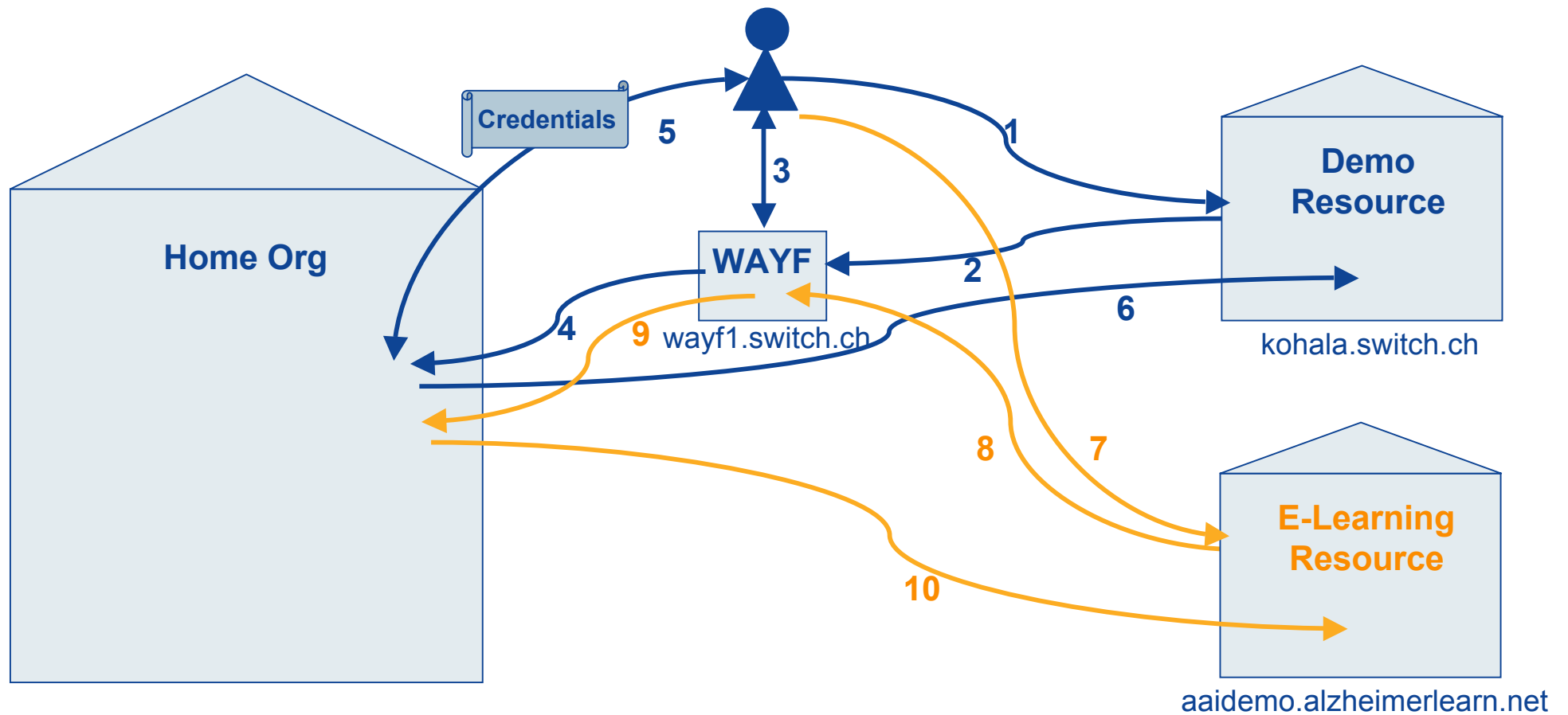
HS Handle Server
AA Attribute Authority

WAYF 'Where Are You From'-Server

RM Resource Manager
SHIRE Shibboleth Indexical Reference Establisher
SHAR Shibboleth Attribute Requestor

 Shibboleth AAI Components

Single Sign On

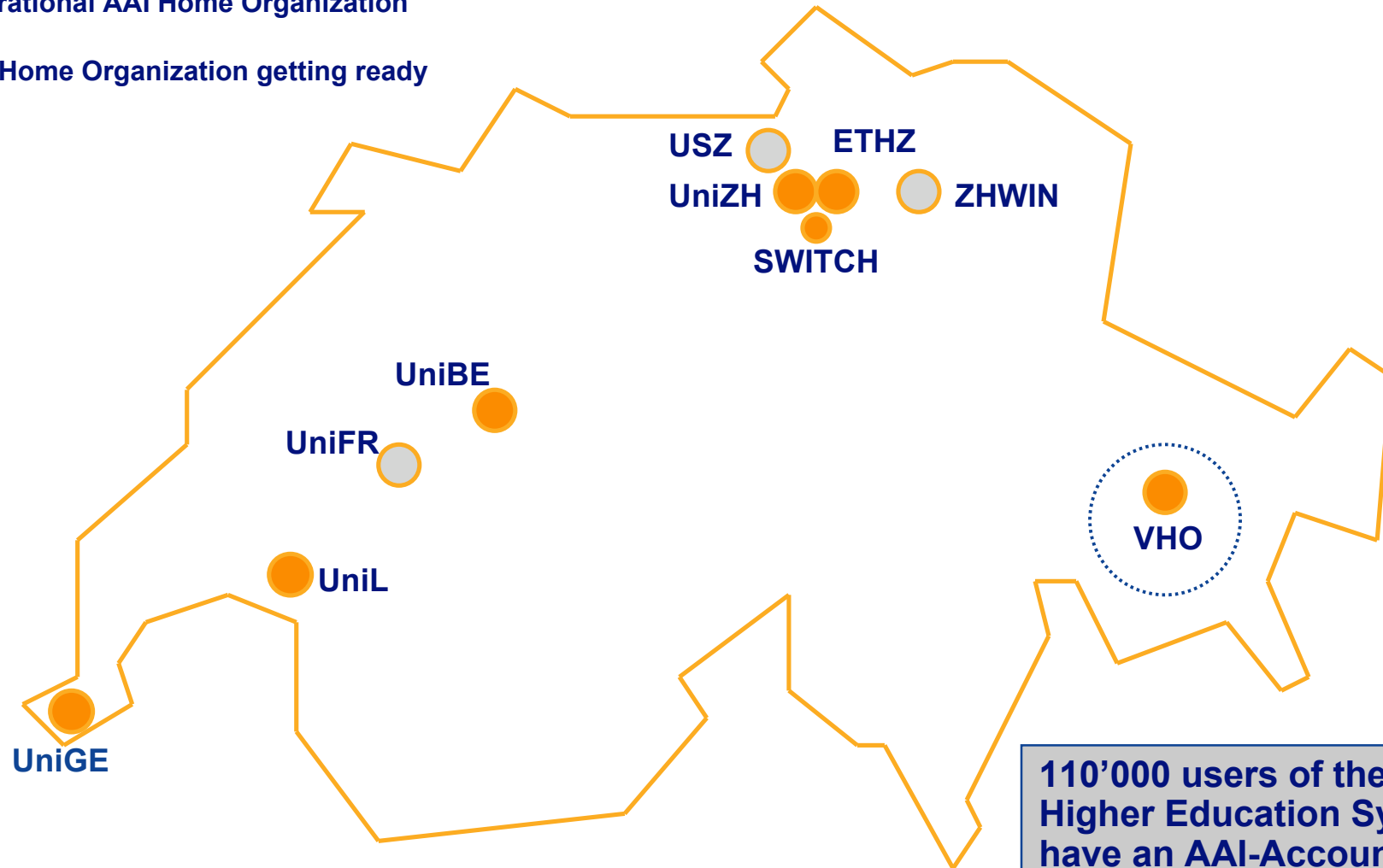


<http://aaidemo.alzheimerlearn.net/>

SWITCHhai Status - Home Organizations

● Operational AAI Home Organization

○ AAI Home Organization getting ready



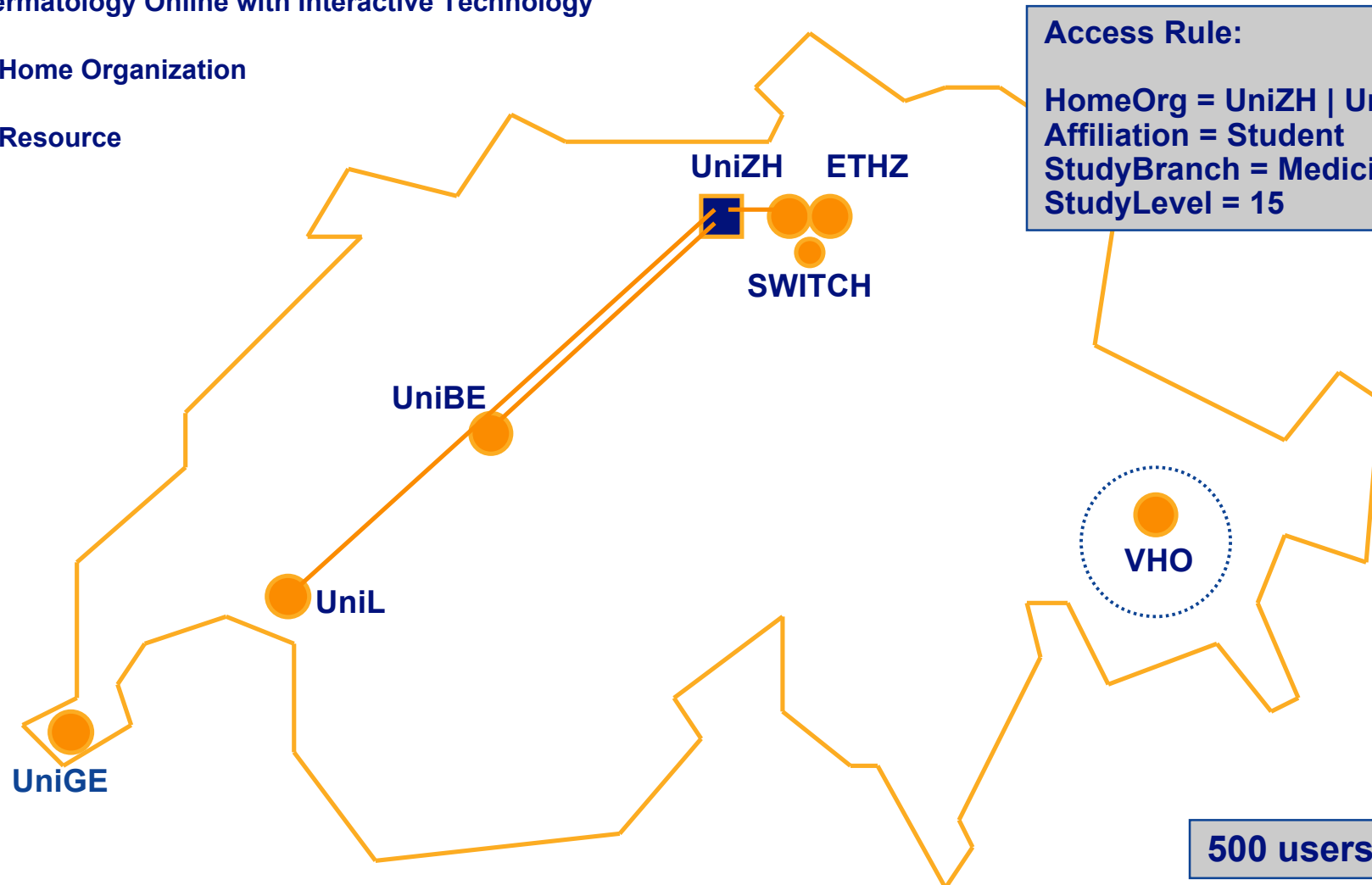
110'000 users of the Swiss Higher Education System have an AAI-Account (= 50% of all users)

Showcase 1: DOIT

DOIT: Dermatology Online with Interactive Technology

● AAI Home Organization

■ AAI Resource

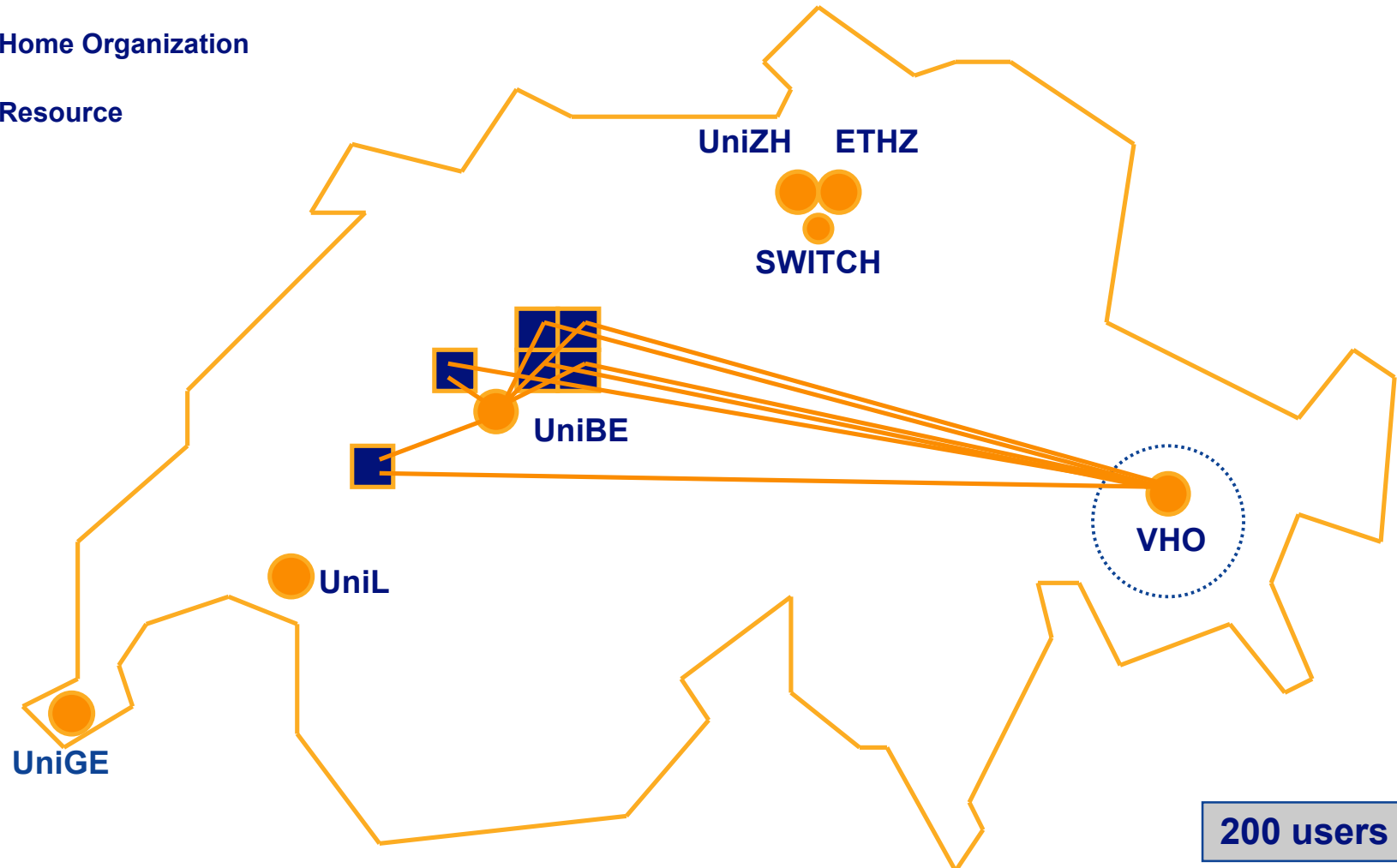


Showcase 2: VITELS

VITELS: Virtual Internet and Telecommunications Laboratory of Switzerland

● AAI Home Organization

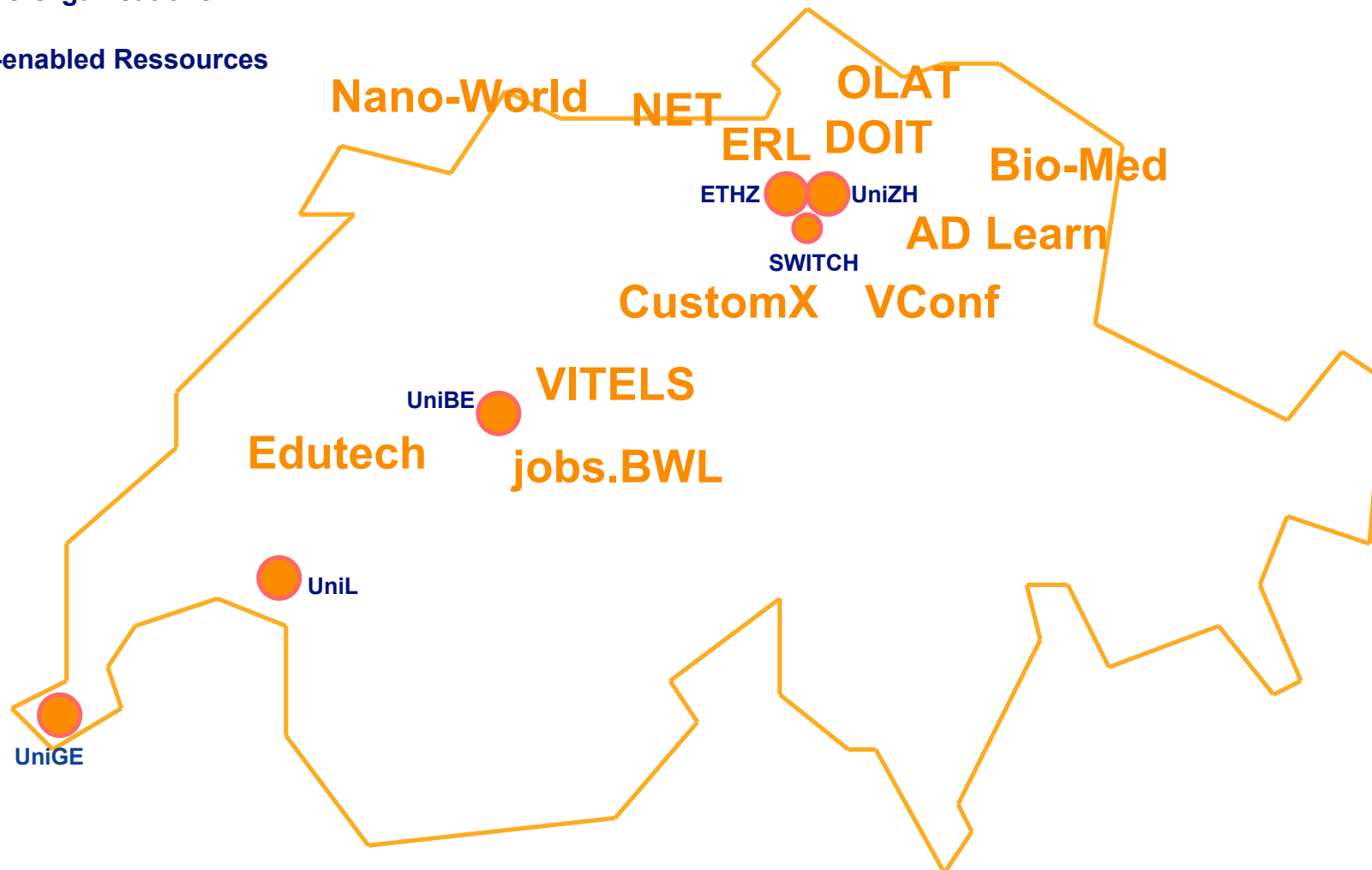
■ AAI Resource



AAI Status Ressourcen

● Home Organisations

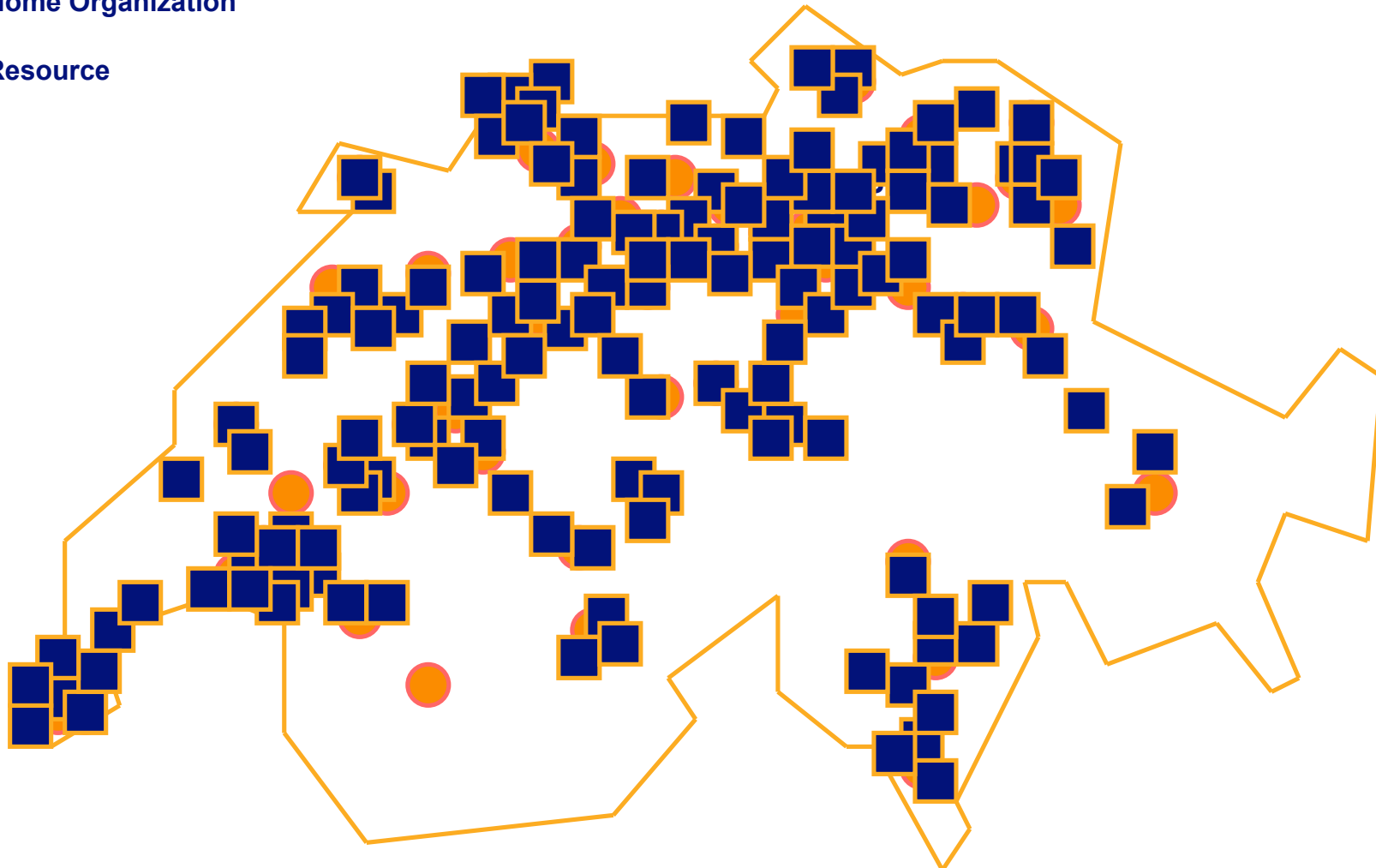
▲ AAI-enabled Ressources



The Vision

● AAI Home Organization

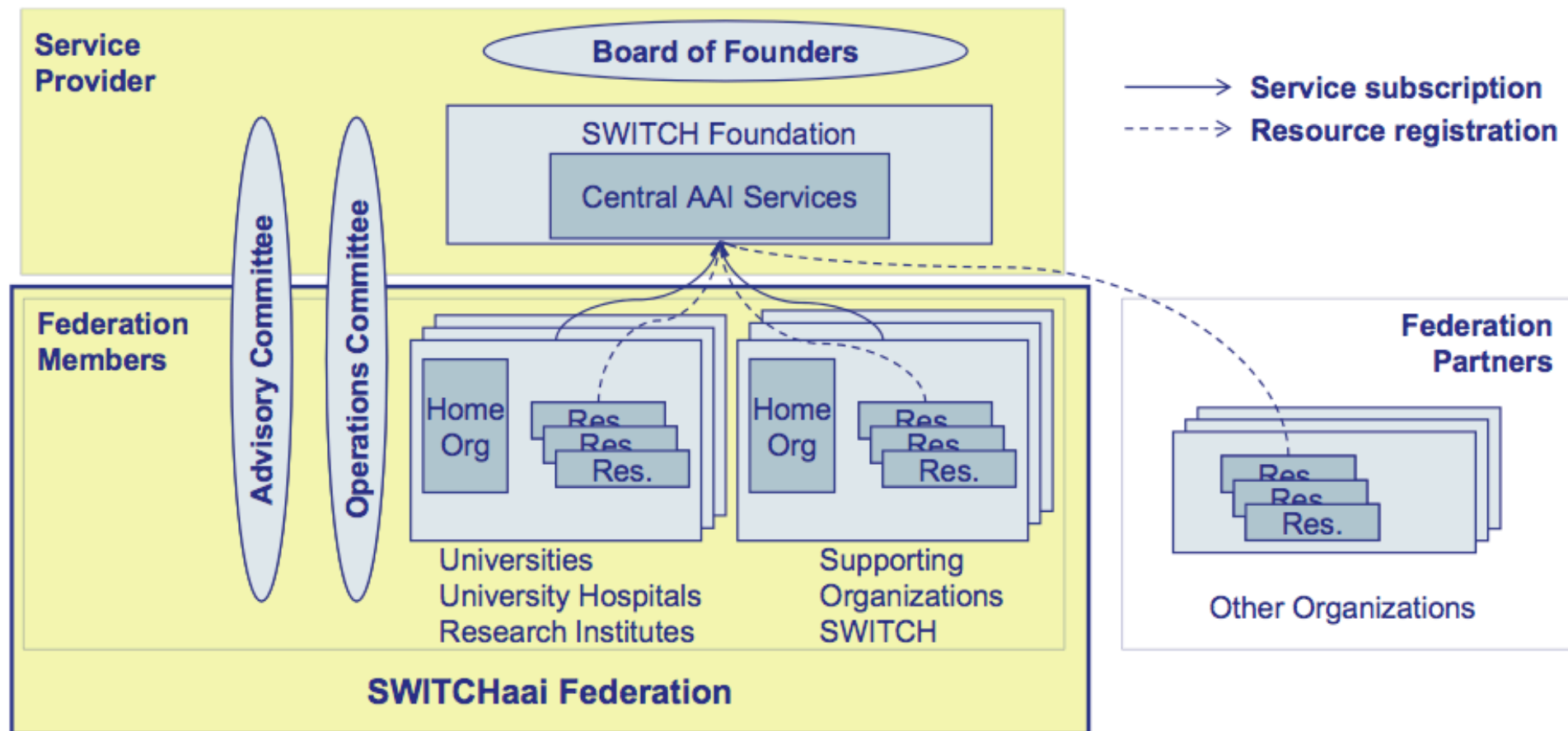
■ AAI Resource



SWITCHhai Federation

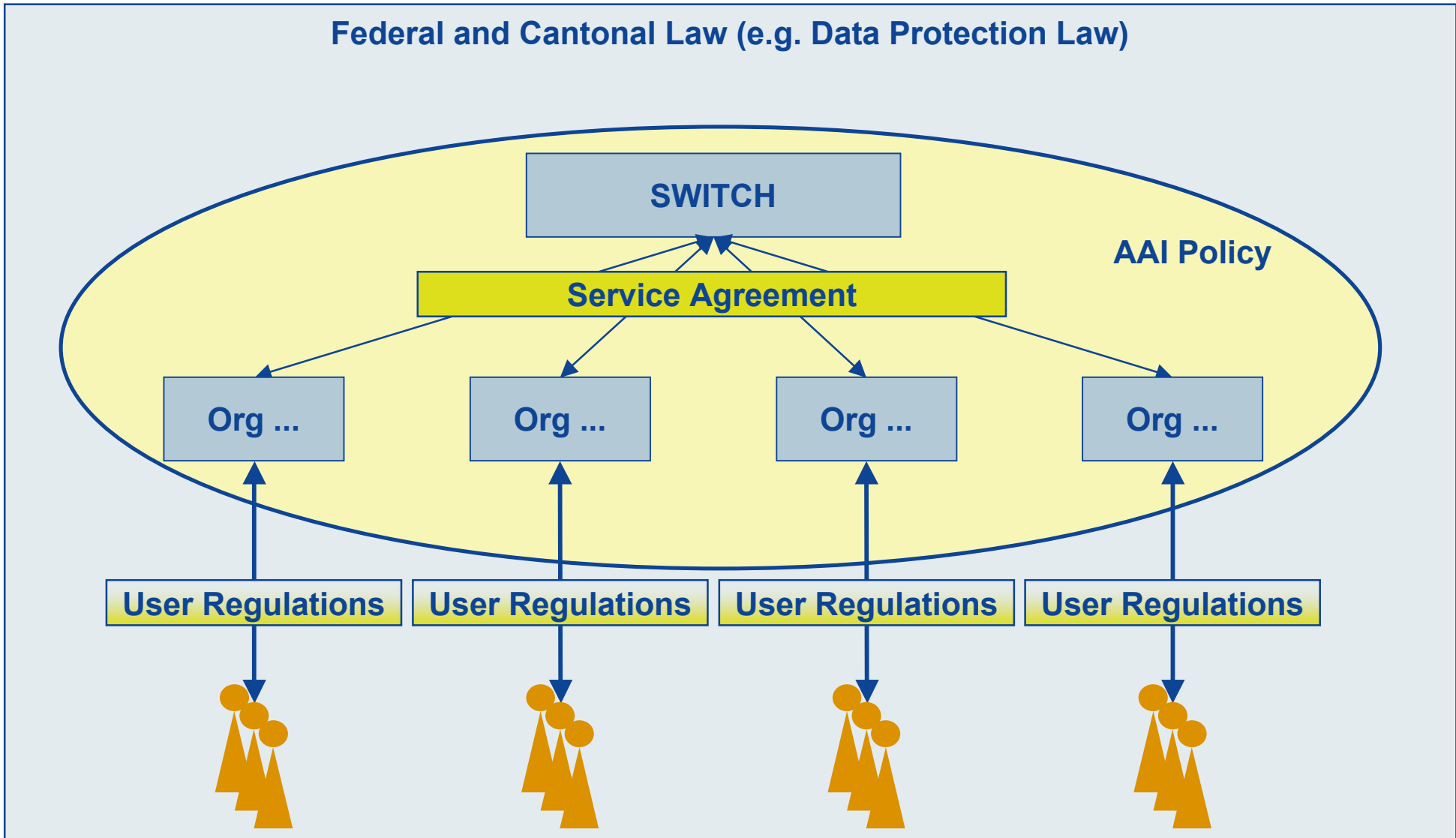
SWITCH acts as federation service provider

Federation membership based on signed service agreements



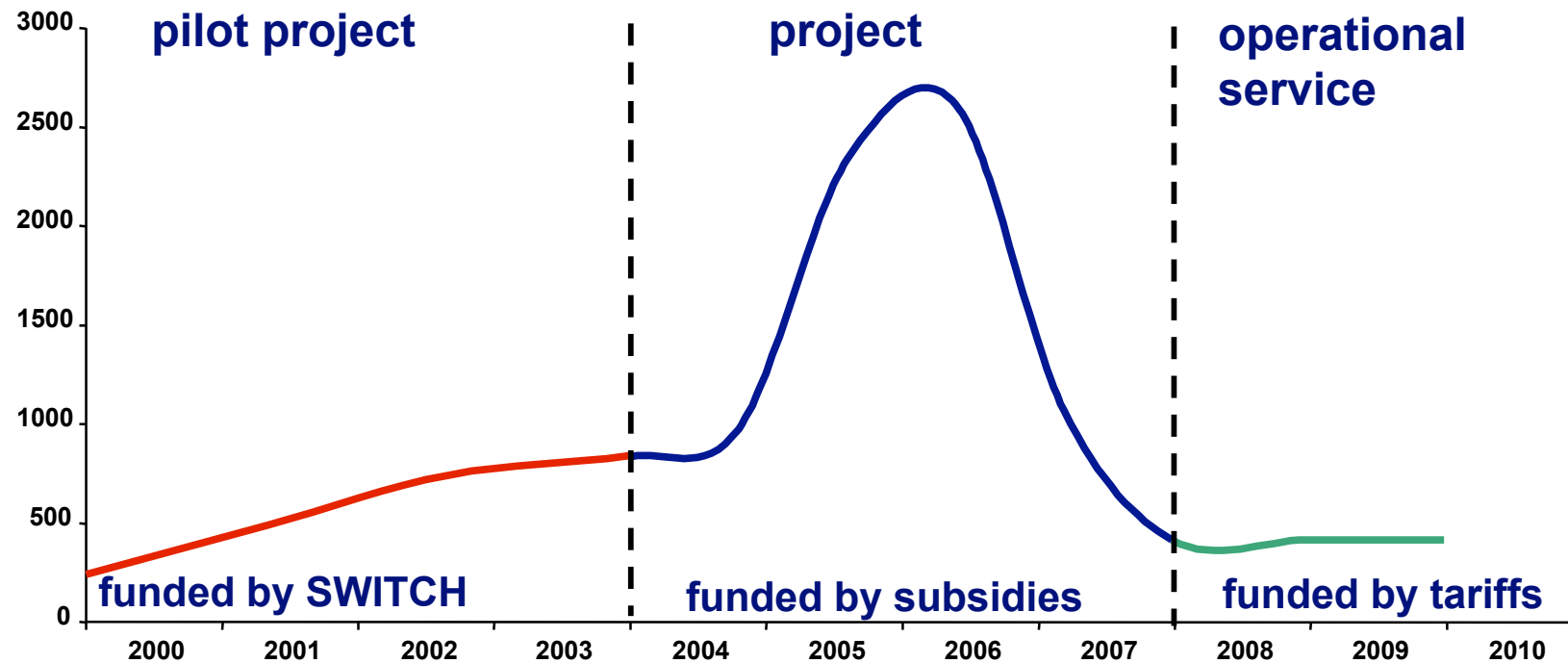
□ Members:

- one representative of the universities **Pascal Jacot-Guillarmod**
- one representative of the universities of applied sciences **Niklaus Lang**
- one representative of SWITCH **Thomas Brunner | Martin Sutter**
- one representative of CRUS **Raymond Werlen**
- one to three representatives of important Resource Owners (e.g. Library Consortium, SVC)
 - Andreas Kirstein (ETH Bibliothek)**
 - Gabrielle von Roten (Bibliotheksconsortium)**
 - Marc-Alain Steinemann (VITELS)**
- one jurist familiar with AAI-related legal issues **Thomas Jordan**



- Strategy & Marketing**
- International Contacts**
- Support, Consulting, Training**
- Providing Federation-specific Files and Configuration Guides**
- Operating WAYF (Where Are You From Server)**
- Test-HomeOrg and Test-Resource**
- Tools (AAIportal, AAIproxy)**
- Virtual Home Organization**
- Jump Start Service**

funding / costs
in KCHF



- ❑ **Shibboleth:**
<http://shibboleth.internet2.edu/>

- ❑ **Shibboleth Demo:**
<http://www.switch.ch/aai/demo>

- ❑ **Pilot Results Report:**
http://www.switch.ch/aai/docs/AAI_Pilot_Results.pdf

- ❑ **Attribute Specification:**
http://www.switch.ch/aai/docs/AAI_Attr_Specs.pdf

Q & A

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

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