



SWITCH

The Swiss Education & Research Network

AAI Info-Day 2004

7. December 2004, Bern

Agenda

9:30 – 9:35	Welcome	Martin Sutter, SWITCH
9:35 – 10:05	AAI Intro and Status, <ul style="list-style-type: none"> • Introduction to AAI, Benefits • Project Status • Finances • International Activities 	Ueli Kienholz, SWITCH Ueli Kienholz, SWITCH Martin Sutter, SWITCH Thomas Lenggenhager, SWITCH
10:05 – 10:55	e-Learning Systems using AAI <ul style="list-style-type: none"> • Open Source LMS OLAT • WebCT CE via AAIportal • AAIportal/VITELS/WebCT Vista 	Mike Stock, Florian Gnägi, Uni Zürich Beat Müller, ETH Zürich Marc-Alain Steinemann, IAM/RVS Uni Bern
10:55 – 11:20	Coffee Break	
11:20 – 11:40	A Home Organization Showcase <ul style="list-style-type: none"> • AAI @ ZHW • Active Directory, Jump Start Service 	Martin Vögeli, Zürcher Hochschule Winterthur Patrik Schnellmann, SWITCH
11:40 – 12:30	Outlook and Wrap-Up <ul style="list-style-type: none"> • e-Journals • Activities in 2005 • How to get involved • Questions & Answers 	Thomas Lenggenhager, Valéry Tschopp, SWITCH Ueli Kienholz, SWITCH Ueli Kienholz, SWITCH
12:30 – 13:30	Lunch	



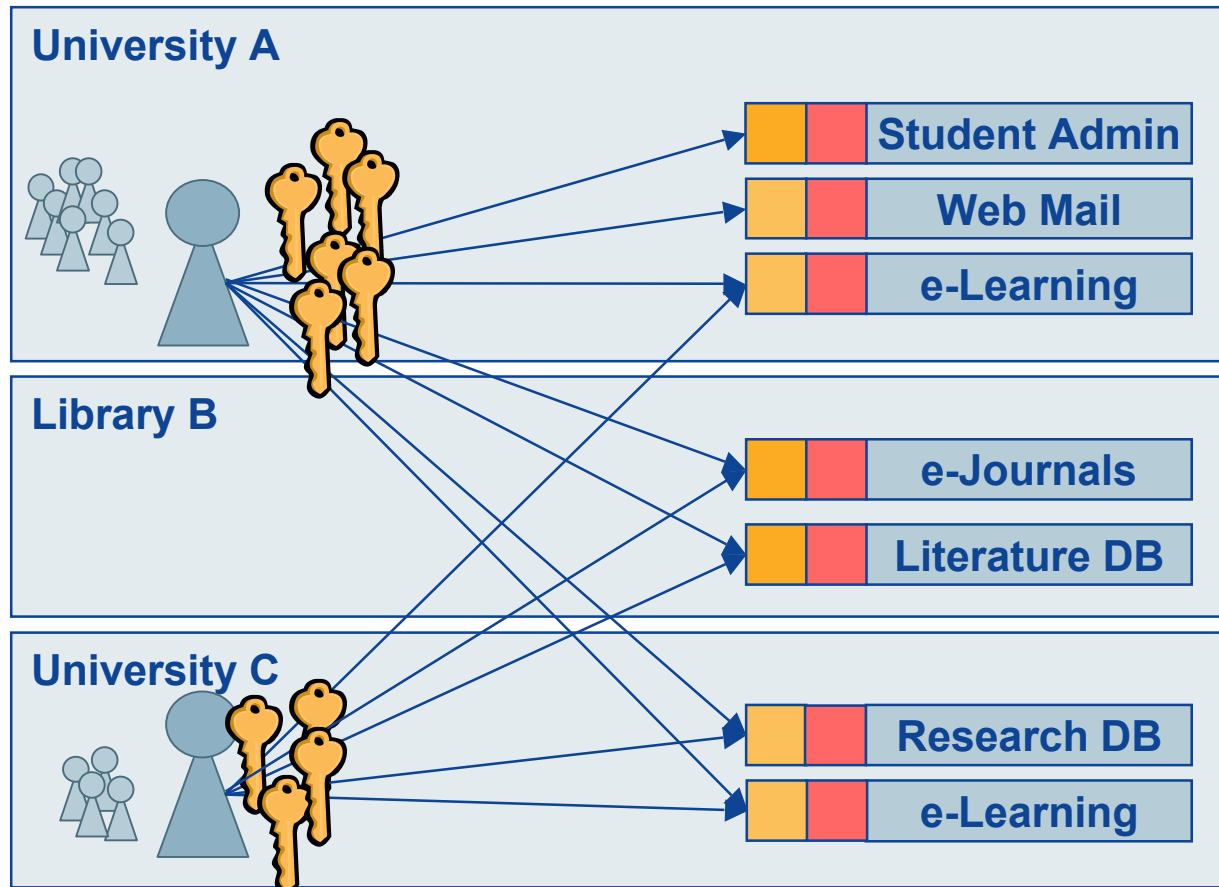
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Introduction to AAI Benefits

Ueli Kienholz, <kienholz@switch.ch>

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- Unreliable and outdated user data at resources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

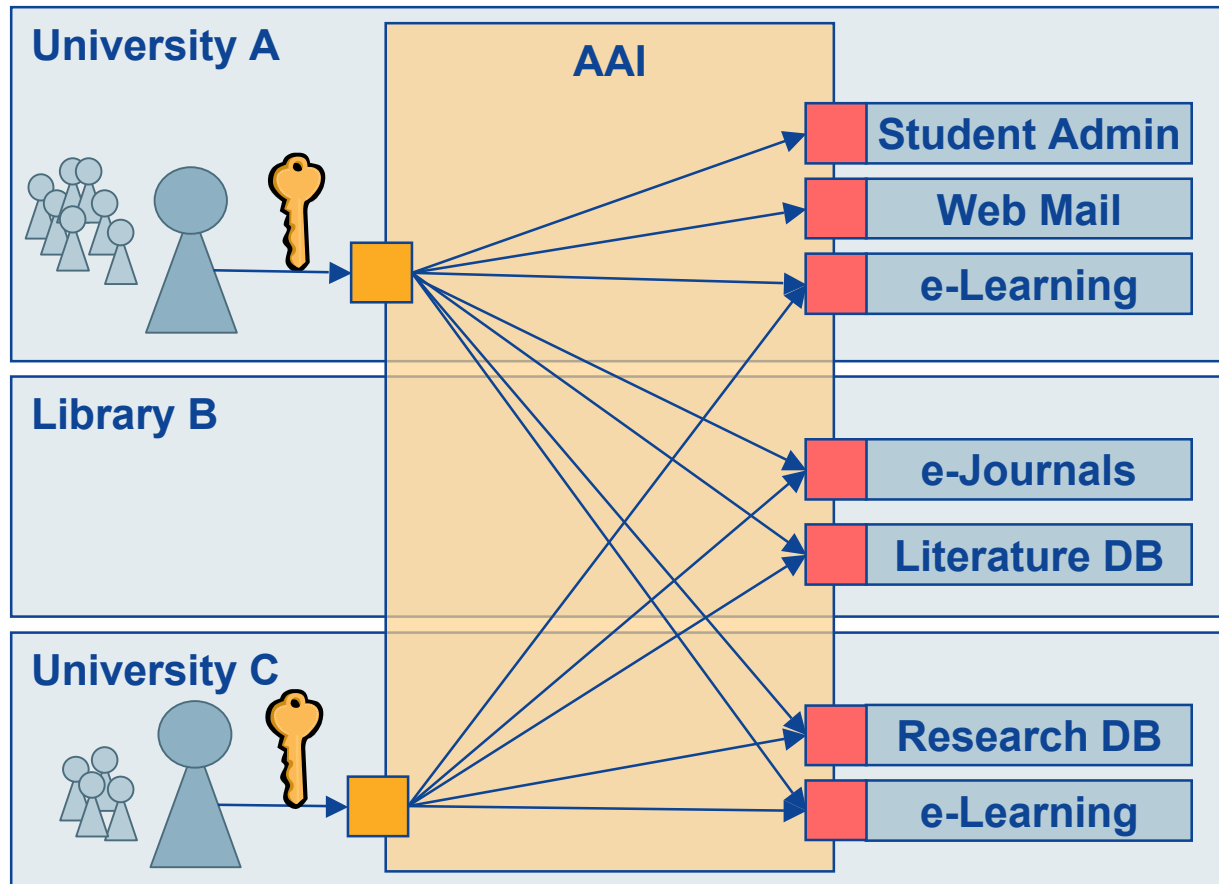
User Administration
Authentication

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

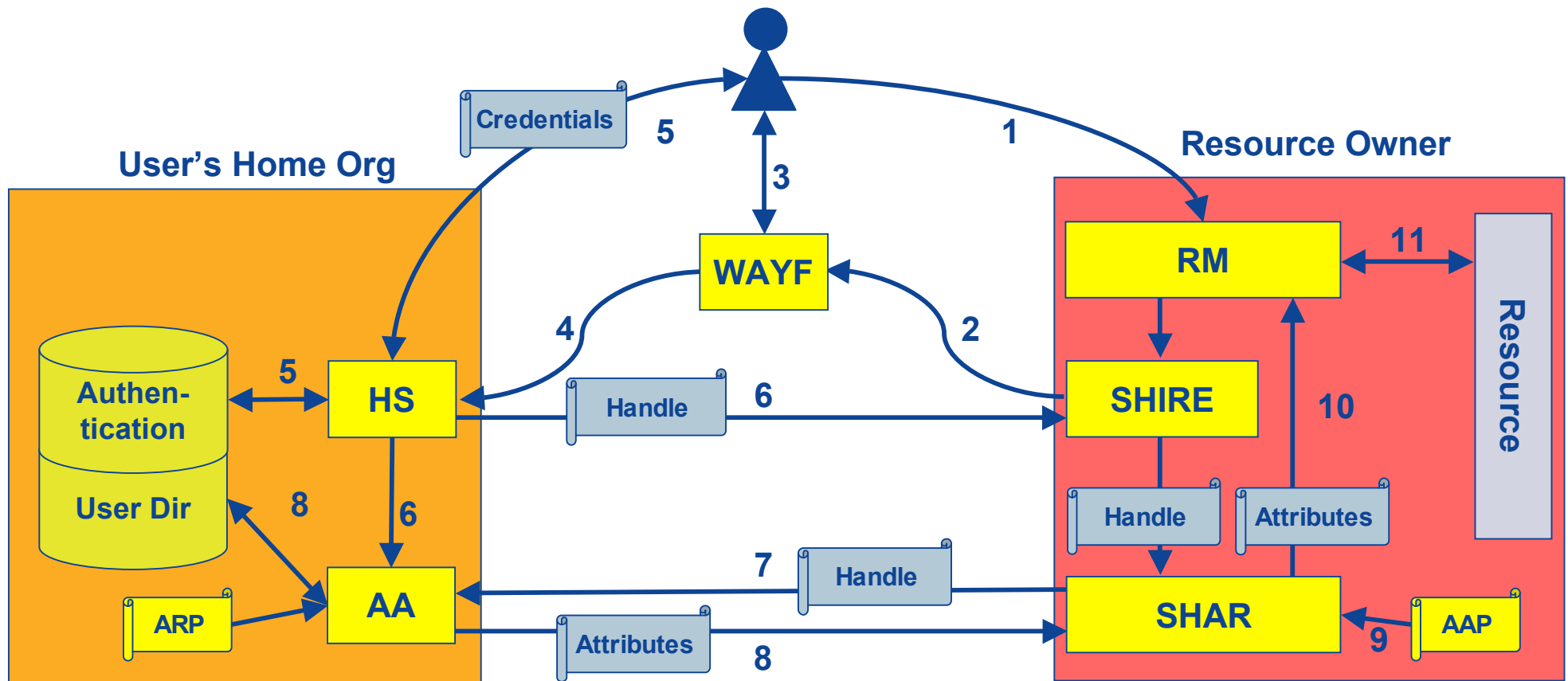
User Administration
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Resource



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



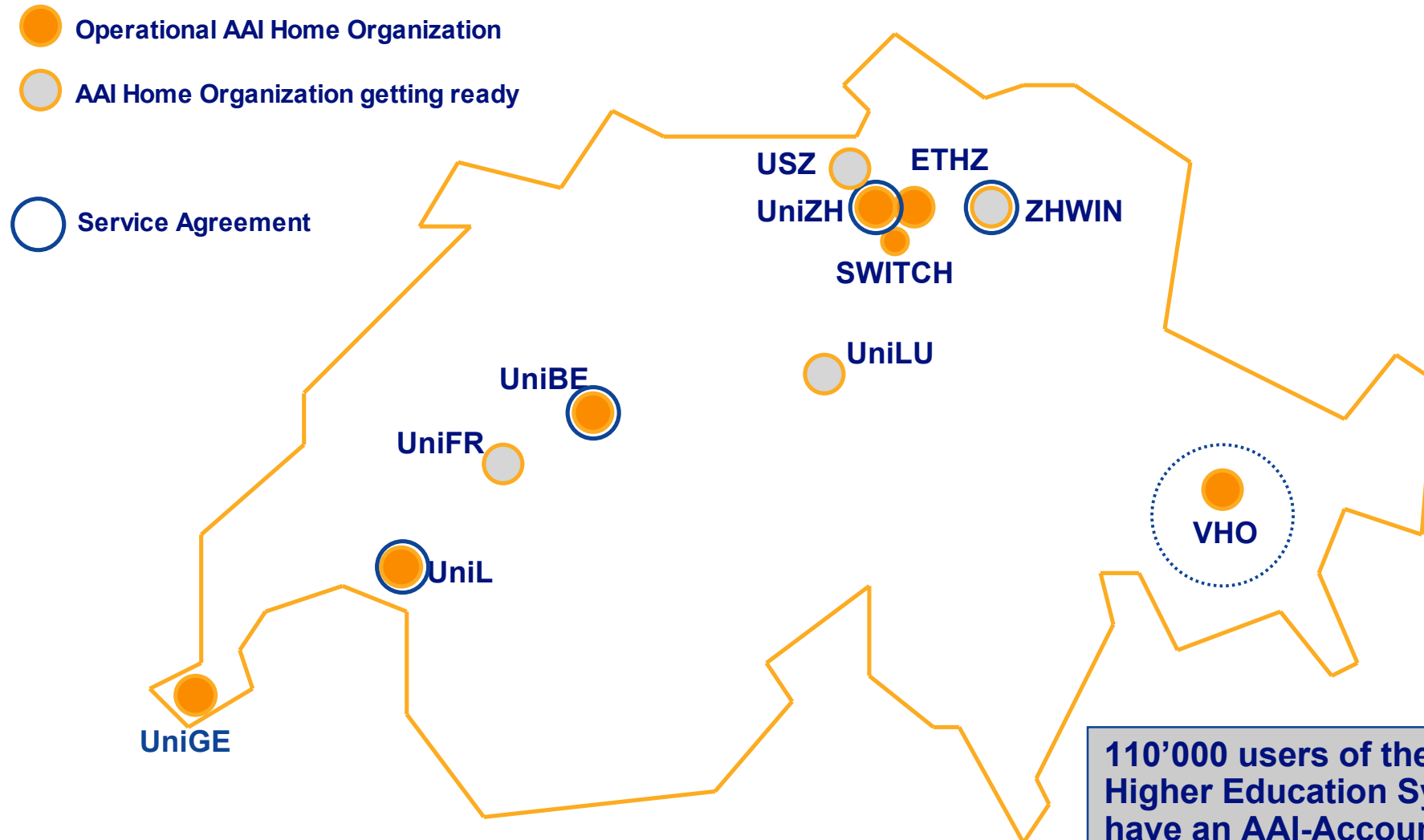
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SWITCHaai Status

Ueli Kienholz, <kienholz@switch.ch>

SWITCHhai Status - Home Organizations

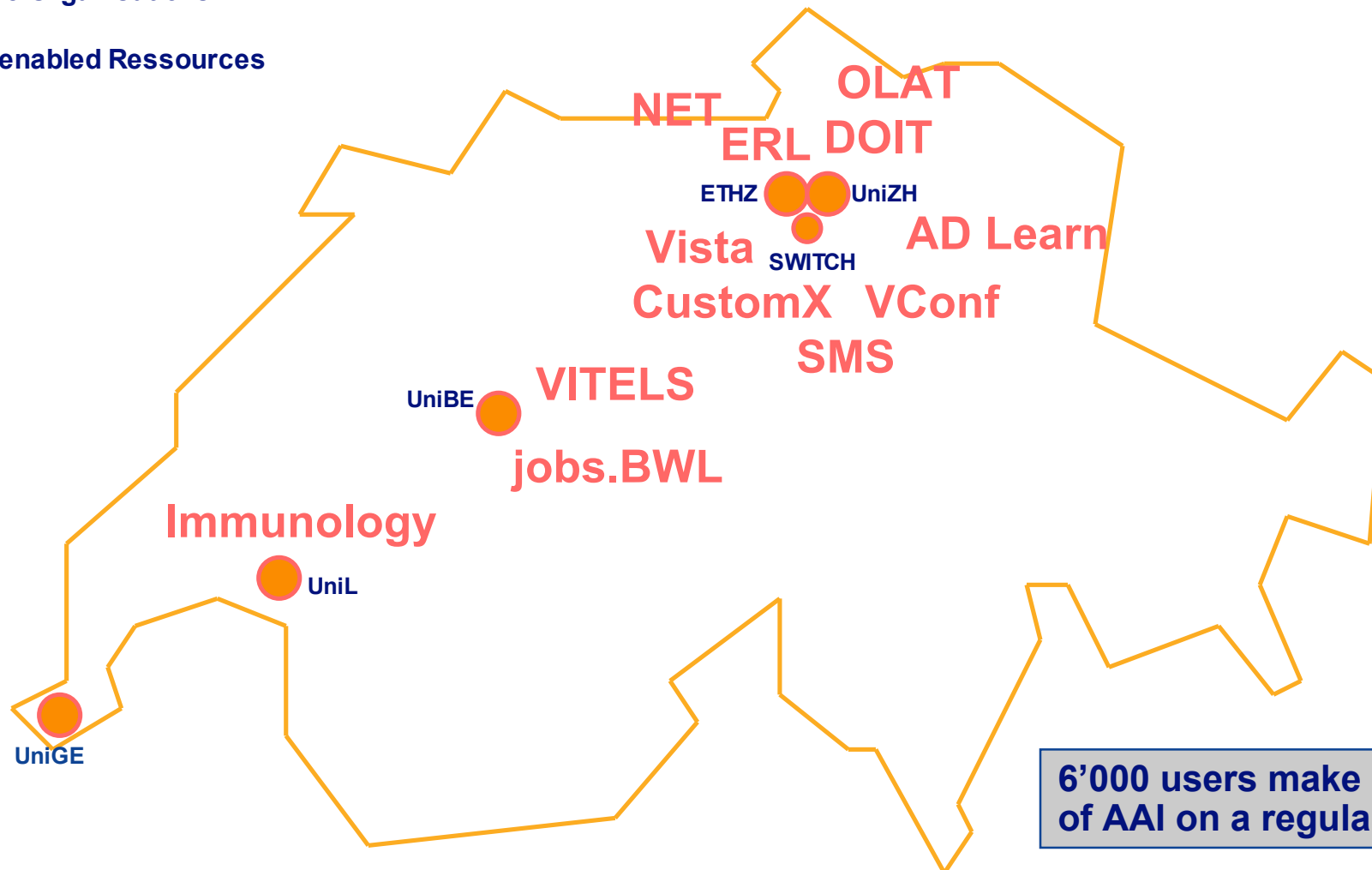


110'000 users of the Swiss Higher Education System have an AAI-Account (= 50% of all users)

SWITCHhai - Status Resources

● Home Organisations

A AAI-enabled Ressources

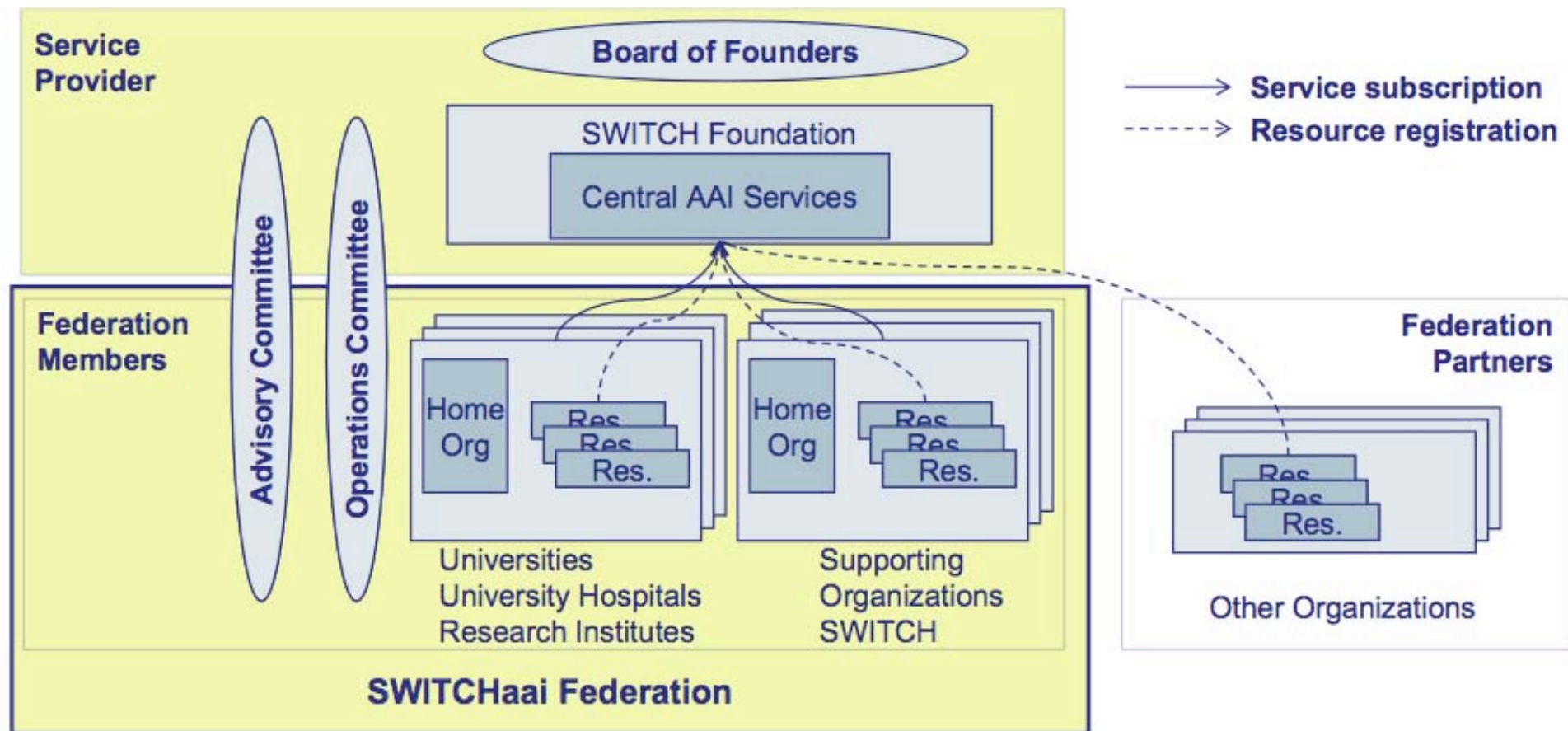


6'000 users make use of AAI on a regular basis

SWITCHhai Federation

SWITCH acts as federation service provider

Federation membership based on signed service agreements

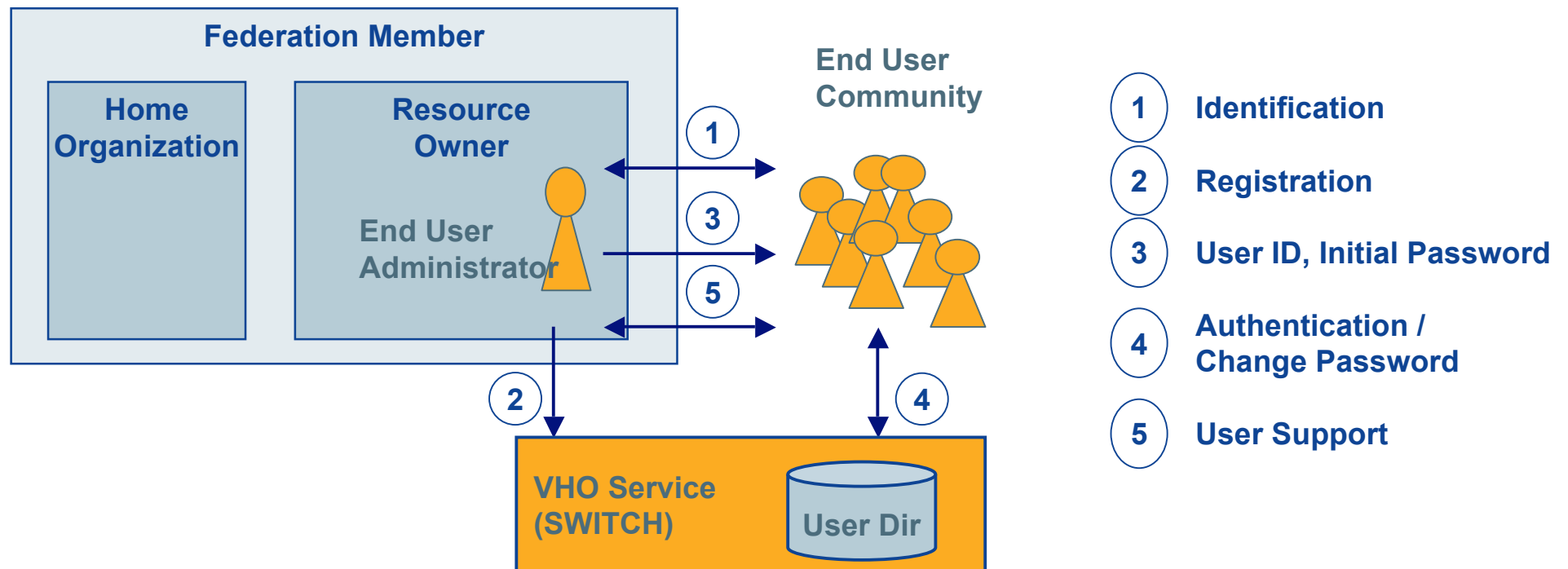


- ❑ **Strategy & Marketing**
- ❑ **Training, Support, Consulting**
- ❑ **Providing Federation-specific Files and Configuration Guides**
- ❑ **Operating WAYF (Where Are You From Server)**
- ❑ **Test-HomeOrg and Test-Resource**
- ❑ **Tools (AAIportal, AAIproxy)**
- ❑ **Virtual Home Organization (VHO) Service**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

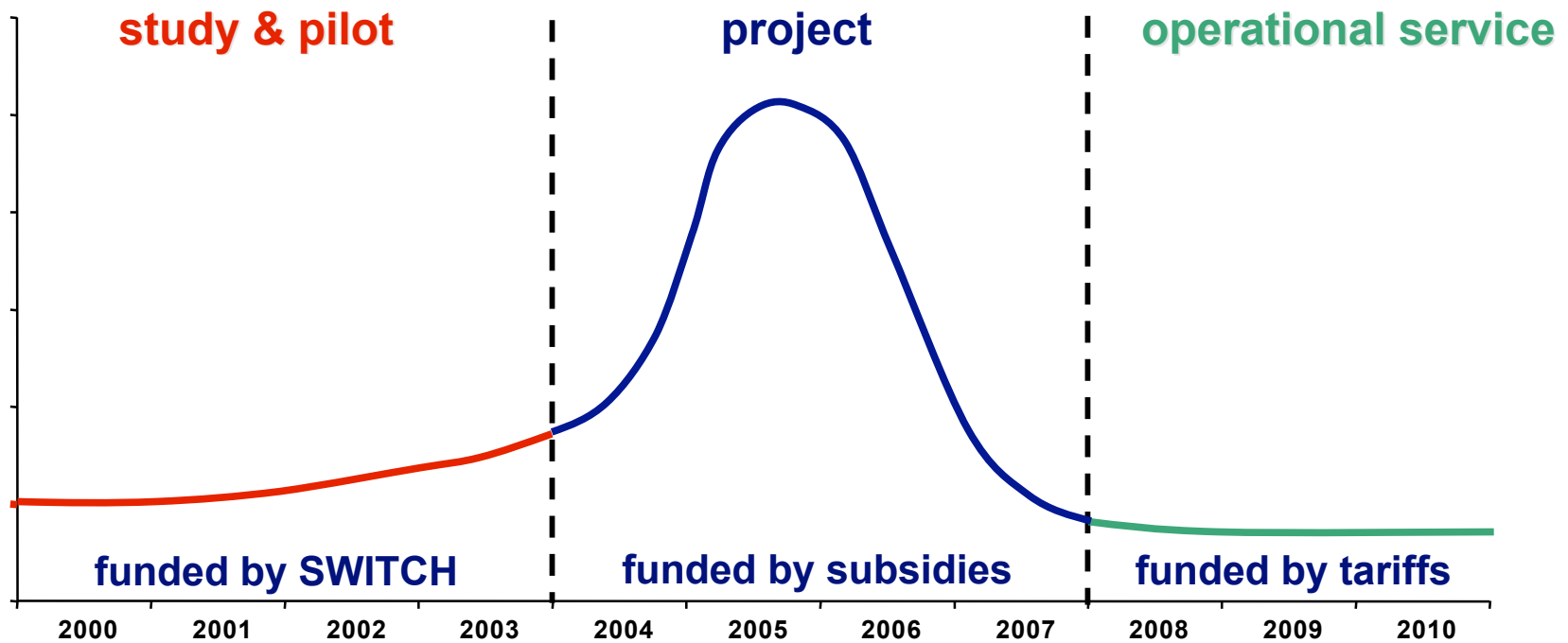
Virtual Home Organization Service

The VHO enables Resource Owners to create “AAI-enabled” accounts for users not belonging to a Home Organization.

Such an account will only be valid for a single resource (or a limited set of resources) belonging to such a Resource Owner.



funding / costs



- **“New Cooperation Projects” SUC (2004 - 2007)**
 - Asked for: 10 MCHF (4 MCHF for SWITCH, 6 MCHF for the universities)
 - Involved committees
 - » decisive role: Swiss University Conference SUC
 - » preparative role: CRUS, KFH, SKPH
 - Granted: 5.2 MCHF on 14 October 2004
 - » 3.2 MCHF for the cantonal universities (“matching funds” required)
 - » 2.0 MCHF for SWITCH
- **OPET Subsidies for the UAS (2004 - 2007)**
 - Approx. 1.2 MCHF for AAI projects (out of 3.2 MCHF)
- **ETH Domain (SFIT Zurich and Lausanne)**
 - Contribution on own accounts of 2.0 MCHF
- **Execution of the SUC cooperation projects**
 - Coordination by SWITCH
 - Cooperation with universities based on projects (proposals to be submitted to SWITCH until 30 April 2005)

- **Shibboleth deployment underway in:**
USA (Internet2, InCommon), Finland (HAKA), Switzerland (SWITCH)
- **Shibboleth related activities in:**
United Kingdom (JISC), France (CRU), Australia (AARNet),
University of Amsterdam (NL), KU Leuven (BE), Stockholm University (SE),
Statsbiblioteket Denmark
- **Compatibility with Shibboleth planned for:**
PAPI (RedIRIS, ES), A-Select (SURFnet, NL)
- **Terena TF-EMC²** – Task Force European Middleware Coordination and Collaboration
<http://www.terena.nl/tech/task-forces/tf-emc2/>
- **GN2 – JRA5** – Ubiquity (Mobility) and Roaming Access to Services
Define, prototype and build a roaming infrastructure and an AAI

“Cotswolds Group”

- **International Middleware Meeting (October 2004)**

Participants from AU, CH, ES, FI, NL, UK, US & CERN

established national programmes for the roll-out of core middleware

http://www.jisc.ac.uk/index.cfm?name=international_middleware

⇒ **Cookbook for Education & Research Communities**

Practical guidance for countries considering to establish an authentication and authorisation system.

⇒ **Linking Authentication Systems Together**

Task someone to produce “*principles governing the interoperability of national research and education authentication infrastructures*”.