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# SWITCH

The Swiss Education & Research Network

## AAI Info-Day 2006

The SWITCHaai Team, <[aai@switch.ch](mailto:aai@switch.ch)>

# Agenda

|                      |  |  |
|----------------------|--|--|
| <b>11:15 – 12:30</b> | <b>Update on the SWITCHaai Project and Federation</b><br><b>Group Management Tool - an Add-On to Authorise Groups</b><br><b>ArpViewer - a New Approach to Privacy and Data Protection</b><br><b>AAA - Adding Accounting to the AAI</b> | Ueli Kienholz, SWITCH<br>Lukas Hämmerle, SWITCH<br>Christoph Witzig, SWITCH<br>Patrik Schnellmann, SWITCH  |
| <b>12:30 – 13:30</b> | Lunch Buffet   |  |
| <b>13:30 – 14:40</b> | <b>AAI for German Higher Education - the Library's Perspective</b><br><br><b>Transparent Access to e-Journals Using AAI, SFX and EZproxy</b><br><br><b>International Update and eduGAIN</b>  | Bernd Oberknapp, University Library Freiburg, Germany<br>Wolfgang Lierz, ETH-Bibliothek<br>Ueli Kienholz, SWITCH<br>Thomas Lenggenhager, SWITCH            |
| <b>14:40 – 15:00</b> | Coffee Break   |  |
| <b>15:00 – 16:15</b> | <b>MarMix - Application of AAI in a Prediction Market</b><br><br><b>SLCS - Access to the Grid with AAI Identities</b><br><br><b>Assurance Levels - Asserting the Quality of Identities</b><br><br><b>Outlook to 2007</b>               | Cédric Gaspoz, University of Lausanne - HEC<br>Christoph Witzig, SWITCH<br>Lukas Hämmerle, SWITCH<br>Ueli Kienholz, SWITCH and Thomas Lenggenhager, SWITCH |

# SWITCH

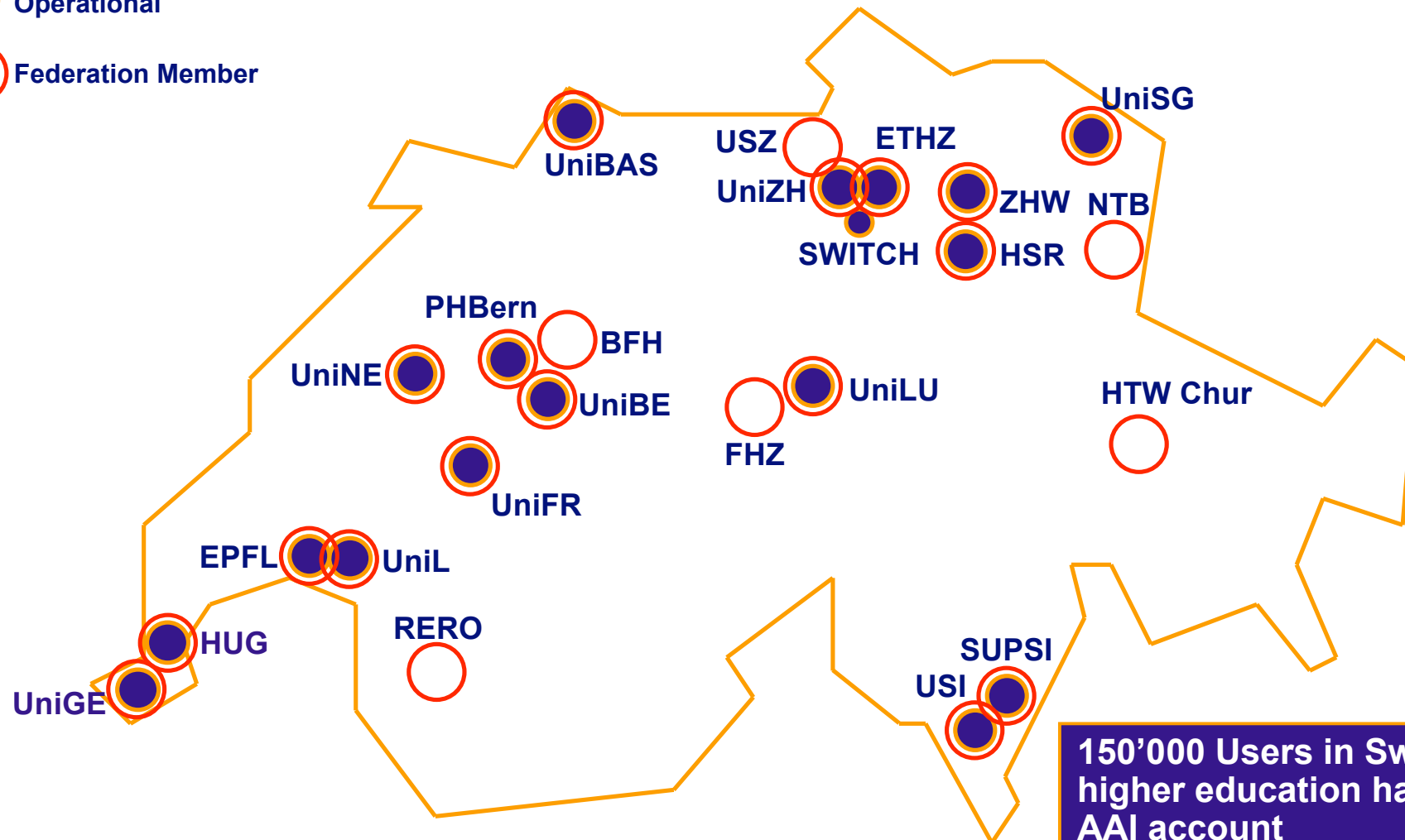
The Swiss Education & Research Network

## **Update on the SWITCHaai Project and Federation**

Ueli Kienholz, <kienholz@switch.ch>

# Home Organisations

-  Operational
-  Federation Member



**150'000 Users in Swiss higher education have an AAI account (> 75% of all)**

## Federation partners provide one or more resources to the federation members

- **Content Providers**
  - Elsevier, NL
  - Swiss Federal Court
- **E-Learning**
  - INSTRUCT AG, DE
- **Student Services**
  - ETH Alumni Association
  - Microsoft Switzerland
- **Project specific partners**
  - ENSICA, FR
  - NICTA, AU
  - Universidade de Coimbra, PT
  - Università di Pisa, IT
  - Università di Roma, IT
  - Universität Rostock, DE
  - Universität Tübingen, DE
  - Warsaw University of Technology, PL

# How is AAI used?

Hits on WAYF between 23 Oct 06 and 4 Nov 06

|                                      | EPFL | ETHZ | HUG | HSR | PHBern | SUPSI | Uni BAS | Uni BE | Uni FR | Uni GE | Uni L | Uni NE | Uni SG | USI  | Uni ZH | VHO | ZHW   |
|--------------------------------------|------|------|-----|-----|--------|-------|---------|--------|--------|--------|-------|--------|--------|------|--------|-----|-------|
| aai-portal.ethz.ch (WebCT)           |      | 7026 |     |     |        |       |         |        |        | 521    |       |        |        |      | 1941   |     | 153   |
| aai-portal.unibe.ch (WebCT, VITELS)  |      |      |     |     |        |       |         | 762    |        |        |       |        |        |      |        |     |       |
| aai.cyberderm.net (DOIT)             |      |      |     |     |        |       |         |        |        |        |       |        |        |      | 144    |     |       |
| bscw.phbern.ch (BSCW)                |      |      |     |     | 3831   |       |         | 131    |        | 316    |       |        |        |      |        |     |       |
| corsi.elearninglab.org (Moodle)      |      | 213  |     |     |        | 5808  |         |        |        | 1303   |       |        |        | 7163 | 126    |     | 325   |
| dokeos.unige.ch (Dokeos)             |      | 380  | 415 |     | 113    | 169   |         |        |        | 65305  | 161   | 165    |        | 279  | 109    | 589 | 428   |
| econf.switch.ch (portal)             |      |      |     |     |        |       |         |        |        | 168    |       |        |        |      | 149    |     |       |
| elearning.zhwin.ch (Moodle)          |      |      |     |     |        |       |         |        |        | 472    |       |        |        |      |        |     | 15292 |
| eva.unibas.ch (file sharing)         |      | 371  |     |     |        |       | 541     |        |        | 282    |       |        |        |      | 238    |     |       |
| login.virtualcampus.ch (WebCT Vista) |      |      |     | 282 |        |       |         |        |        | 158    | 241   |        |        | 463  |        |     | 524   |
| moodle.unige.ch (Moodle)             |      |      |     |     |        |       |         |        |        | 2425   |       |        |        |      |        |     |       |
| store.ethz.ch (Neptun)               | 1262 | 2589 |     |     | 111    | 177   | 669     | 793    | 445    | 1524   | 625   | 140    | 530    | 238  | 1202   |     | 444   |
| tools.vho-switchaai.ch (VHO PW)      |      |      |     |     |        |       |         |        |        |        |       |        |        |      |        | 140 |       |
| www.hec.unil.ch                      |      |      |     |     |        |       |         |        |        |        | 100   |        |        |      |        |     |       |

This table does not include:

- some important resources having their own WAYF (such as OLAT)
- some important resources used only internally
- numbers < 100

# Subsidized AAI Integration Projects

## Cantonal Universities (Subsidies by SER)

|                |                     |                       |                       |                           |
|----------------|---------------------|-----------------------|-----------------------|---------------------------|
| <b>Uni BAS</b> | <b>Home Org</b>     | <b>EVA</b>            | <b>WebCT</b>          |                           |
| <b>Uni BE</b>  | <b>AAA platform</b> |                       |                       |                           |
| <b>Uni FR</b>  | <b>Home Org</b>     | <b>Support Org</b>    | <b>div. Resources</b> |                           |
| <b>Uni GE</b>  | <b>Dokeos</b>       | <b>Moodle</b>         | <b>Plone</b>          | <b>Electronic library</b> |
| <b>Uni L</b>   | <b>jahia</b>        | <b>Silvia Acad</b>    | <b>Group Mgmt</b>     |                           |
| <b>Uni LU</b>  | <b>Blackboard</b>   |                       |                       |                           |
| <b>Uni NE</b>  | <b>Home Org</b>     | <b>IS-Academia</b>    |                       |                           |
| <b>Uni SG</b>  | <b>Home Org</b>     | <b>div. resources</b> |                       |                           |
| <b>USI</b>     | <b>Home Org</b>     | <b>Door</b>           |                       |                           |
| <b>Uni ZH</b>  | <b>SAP CM</b>       | <b>Lenya</b>          |                       |                           |

## Universities of Applied Sciences (Subsidies by OPET)

|               |                     |                      |                     |                  |
|---------------|---------------------|----------------------|---------------------|------------------|
| <b>HES-SO</b> | <b>Home Org</b>     |                      |                     |                  |
| <b>BFH</b>    |                     |                      |                     |                  |
| <b>FHNW</b>   |                     |                      |                     |                  |
| <b>FHZ</b>    |                     |                      |                     |                  |
| <b>ZFH</b>    |                     |                      |                     |                  |
| <b>SUPSI</b>  | <b>Home Org</b>     | <b>Glossary Tool</b> |                     |                  |
| <b>FHO</b>    | <b>Home Org HSR</b> | <b>Home Org Chur</b> | <b>Home Org NTB</b> | <b>Claroline</b> |

**Operational**

**Work in progress**

**Project defined**

## Evaluation and Implementation of an Authentication and Authorisation Infrastructure

Alexander Gall, Christoph Graf and Thomas Lenggenhager  
SWITCH, Limmatquai 138, 8001 Zürich

November 29, 1999  
Revised May 12, 2000  
Revised Aug 7, 2000

### Abstract

Well co-ordinated access control is a crucial issue for the VCS project, requiring an Authentication/Authorisation Infrastructure (AAI). SWITCH proposes a one-year mandate to study and design an AAI that suits the needs of the VCS as well as further projects within universities and for collaborations with foreign institutions. The activities within the scope of this mandate will be funded by SWITCH. An AAI deployment will be proposed in follow-up mandates jointly with the universities.

## 1 Introduction

In the future, the VCS enables a large number of people to access a wide range of services provided by the universities over the SWITCH backbone/Internet. In any such environment, the question naturally arises how to grant access to these



# AAI - Usage

