



SWITCH

The Swiss Education & Research Network

The SWITCHaai Federation in Switzerland

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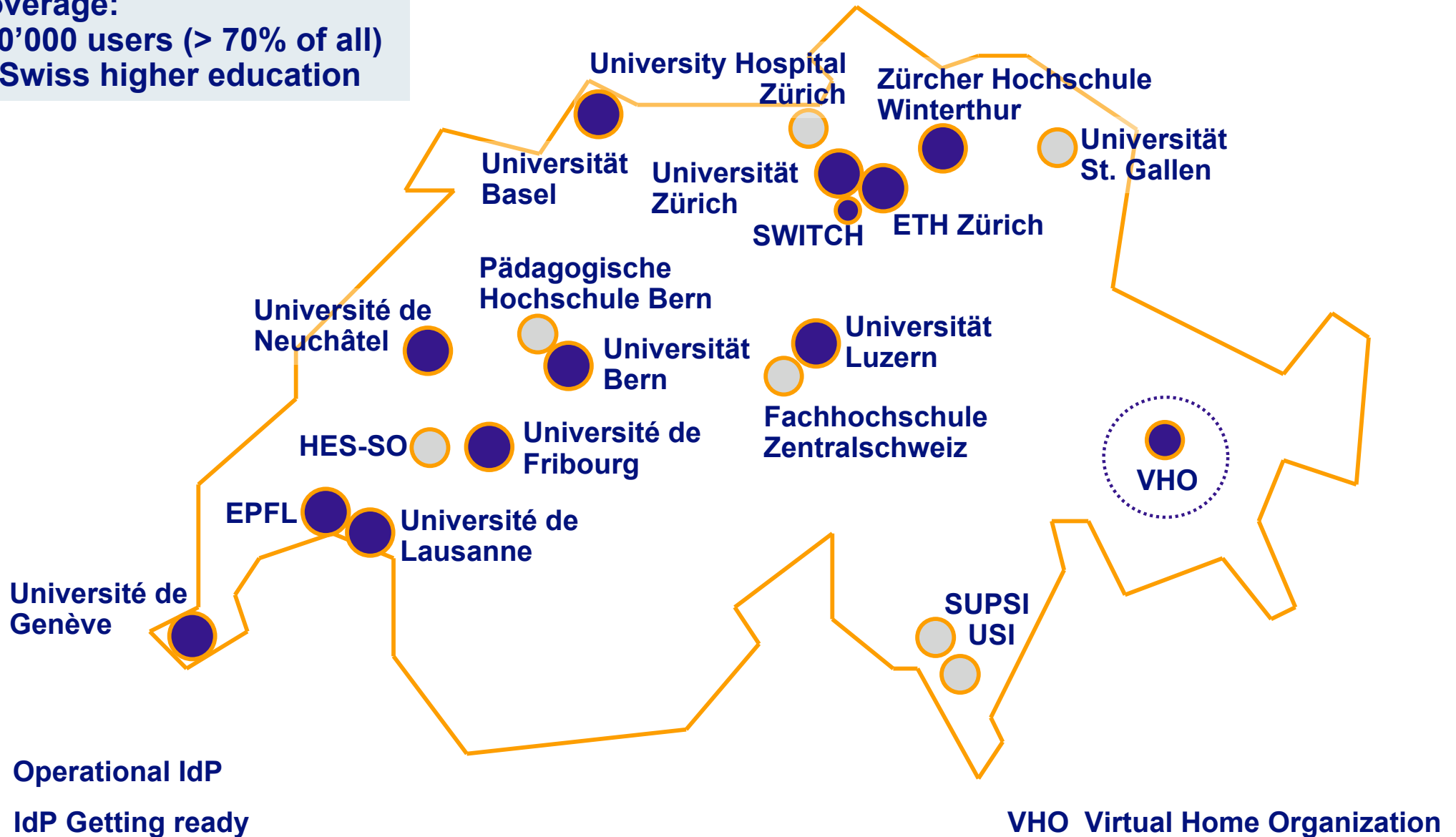
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<http://www.switch.ch/aai>

- **Fully operational since autumn 2005**
service agreements signed
- **13 Identity Providers – Shibboleth 1.3**
- **80+ Service Providers – Shibboleth 1.2 & 1.3**
- **16'000 frequent users, primarily using e-learning apps**
- **7 Federation Partners**
 - **Elsevier & Partners of EuQoS in AU, DE, FR, IT, PL**
- **Two recently added Service Providers**
 - **SWITHeconf portal <http://econf.switch.ch/>**
 - **ScienceDirect**

Identity Providers in SWITCHaai

Coverage:
140'000 users (> 70% of all)
in Swiss higher education



- Goal** Scalable metadata management
Support for administrative processes
- Input** SP details (incl. attribute requirements and intended audience)
IdP details (incl. attribute availability)
- Output** Federation metadata
Attribute Release Policy templates for updateARP script
- **Resource Registration Authority (RRA)**
In analogy to RA for a CA. Resources need RRA approval to be included.
 - **Implementation specifically for SWITCHaai**
uses PHP/MySQL, has a BSD license

More on: <http://www.switch.ch/aai/tools/>

- **Focus for 2006**
 - adding more IdPs – *mainly smaller sites*
 - **Library-oriented use cases**
- **SWITCH participates in EGEE2 (April 2006 - March 2008)**
Leverage existing identities from a Shibboleth Federation for access to gLite based resources
- **Pilot Study on how AAI could be extended with Accounting**
 - http://www.switch.ch/aai/docs/AAI_Accounting_Pilot_Study.pdf
 - **Next step: pilot projects until autumn 2006**



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European Inter-Federation Cooperation

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- **Established national Federations**
Finland (HAKA) and **Switzerland** (SWITCHaai)
- **National Federations getting ready**
UK: *setting up in progress*
Denmark, Germany, Sweden (SWIF): *preparation underway*
- **Coordination around regional activities**
Belgium, France (CRU)
- **Growing interest in further countries, but no decisions taken yet.**
- **Established non-Shib Federations**
 - **Norway** (FEIDE using Moria)
 - **Spain** (RedIRIS using PAPI)
 - **The Netherlands** (SURFnet using A-Select)

- **REFEDS** – **R**esearch and **E**ducation **F**ederations
Looking into ways to federate federations
 - <http://www.terena.nl/activities/refeds/>
- **SCHAC** – **S**chema **H**armonization **C**ommittee
 - <http://www.terena.nl/activities/tf-emc2/schac.html>
- **eduGAIN** – **G**ÉANT2 **A**uthorization and Authentication **I**nfrastructure
A research activity of GÉANT2, working on federating federations
 - <http://www.geant2.net/> *search there for eduGAIN*
- **shib-enable** – an Internet2 mailing list
Discussion between vendor and federation reps on topics which service providers face when having to deal with multiple federations.

- **Federations**

- From Federations all over Europe, AU and US
 - Federation level Shibboleth techies
 - Policy makers
 - National licensing participants
 - People able to speak “on behalf of their national federation”

- **Commercial Information Vendors**

- Who are actively working with these Federations
- The vendor names:
 - EBSCO
 - Elsevier Science Direct
 - CSA
 - MetaPress/Springer Online
 - JSTOR
 - ArtSTOR
 - OVID
 - Thomson Science
 - Ex Libris (sfx, Metalib, etc)

- Increasingly supporting **US** institutes via InQueue/InCommon
- **UK** (SDSS): in production with LSE, preparing to roll out to all federation members
- Various stages of pilot testing with five European federations
 - **The Netherlands** (SURFnet): completed pilot with one university, move to production under discussion
 - **Switzerland** (SWITCHaai): currently conducting pilot with one university
 - **Finland** (HAKA): about to enter into pilot
 - **France** (CRU): about to enter into pilot
 - **Greece** (HEAL-Link): about to enter into pilot
- Interest shown from: **Denmark, Germany, Sweden, etc.**

What drives the work?

- Develop common approaches
 - E.g. attribute definitions
- Prioritize the vendors
- Gain leverage with the vendors
- Bring brainpower to bear on difficult problems
- Provide vendors with a sounding board, and the confidence to proceed
- Facilitate vendors working together
- Facilitate Federations working together
- Discuss Federation level strategies

- Create momentum

What has been accomplished so far?

- The participation of the Federations
- Common attribute definitions
 - eduPerson entitlement values for:
 - “this person is a faculty, student, staff, or library walkin, and eligible under our contract”
 - “here is a vendor supplied userid, and this person is authorized to use it”
- Prioritized vendor list
- Progress with many of the vendors in the “top 15”
 - Elsevier Science Direct
 - EBSCO
 - JSTOR
 - OVID (OvidWeb and WebSPIRS)
 - Thomson Science
 - Springer (Metapress)
 - Ex Libris (Metalib, sfx)
 - EZProxy
 - Wiley
 - Taylor and Francis
 - Thomson Gale
 - Blackwell
 - Institute of Physics Publishing
 - Proquest
 - Muse (Johns Hopkins)
 - Nature (Highwire)
 - OUP (Oxford University Press)
 - American Chemical Society

- Home site discovery
 - In a multi-federation world
- Inter-Federation, beyond commercial providers
 - Use cases
 - Technical approaches
 - Policy and attribute mapping
- Validate Approaches
 - eduroam with attributes
 - Delegation profile