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# SWITCH

The Swiss Education & Research Network

## Outlook to 2006

The SWITCHaai Team, <aa@switch.ch>

# 1. AAI at Universities of Applied Sciences SWITCH

The Swiss Education & Research Network

## Current Status:

- So far, just ZHW is a SWITCHaai federation member

## Process to apply for subsidies

(50% federal funds / 50% matching funds):

1. Submit projects to SWITCH according to the “Project Guide”
2. Technical approval by SWITCH
3. Formal approval by FID

## 2. Digital Library Contents

### Use Case A: Access to publishers

commercial content providers such as Elsevier, EBSCO, etc.

### Use Case B: Access to e-library portals

meta-search, databases, URL-resolver, personalisation (central systems, e.g. operated by a consortium)

### Use Case C: Access to loan systems

registration of university users in the loan system of “their” library, inter-library loan

### Use Case D: Ordering document delivery

ordering articles by e-mail (scanned), ordering photocopies

### Use Case E: Publishing the own documents of a university

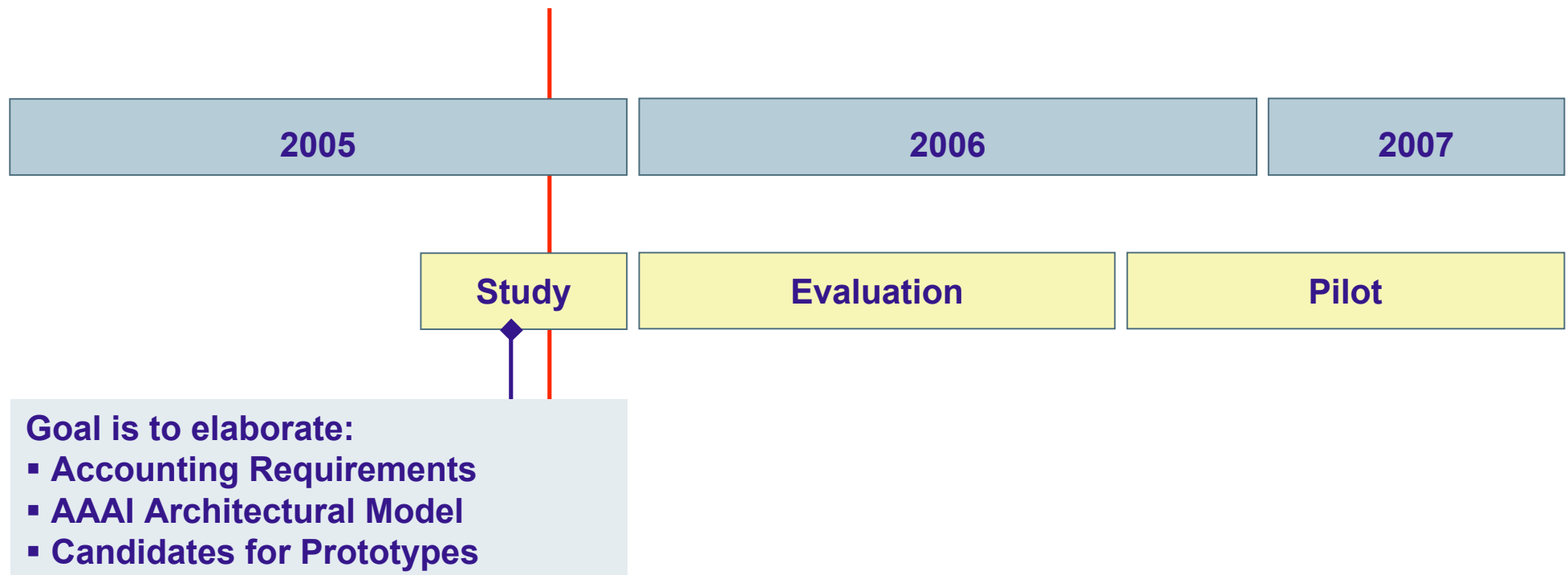
where uploading, approving and reading is restricted

# Use Case A: Shibboleth Access to Publishers

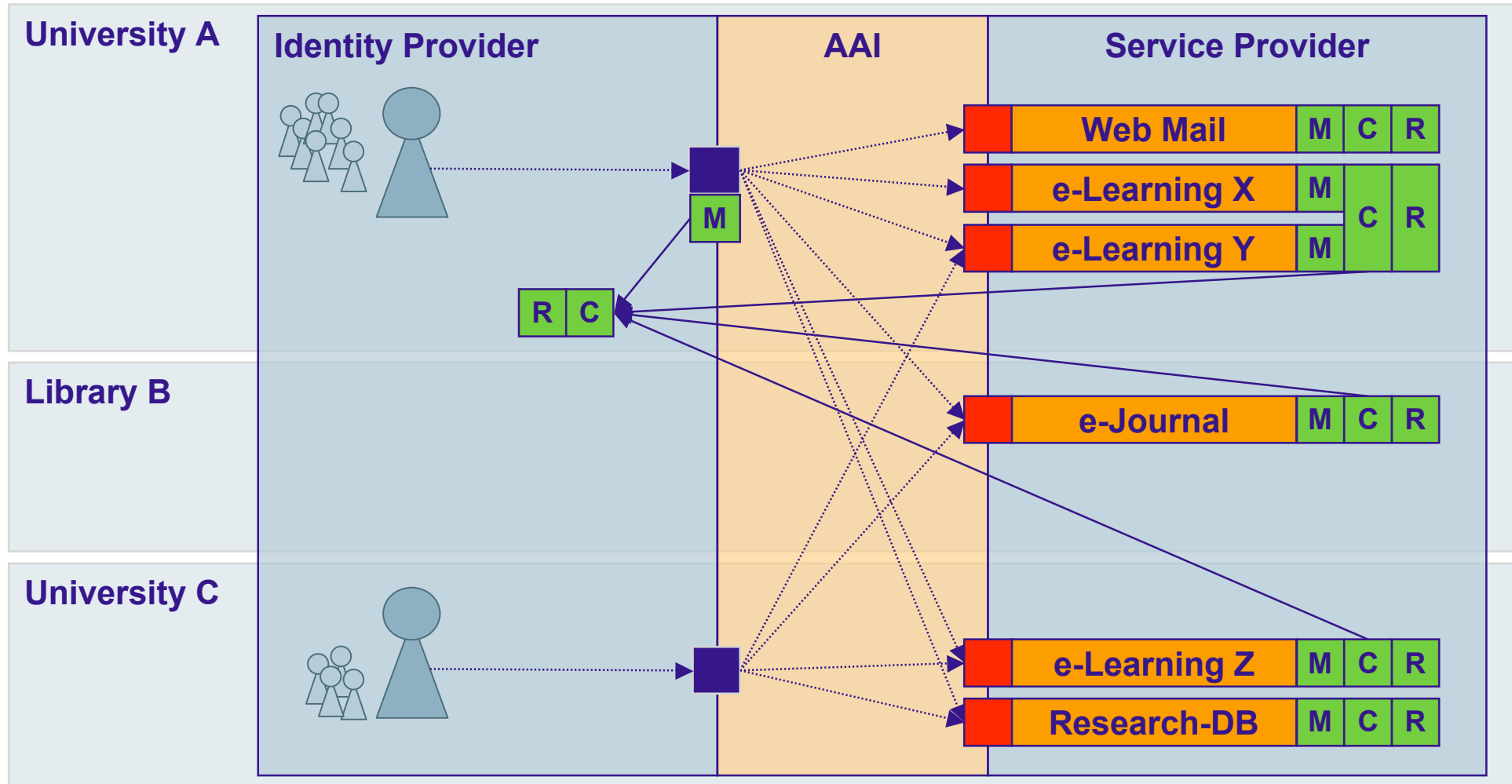
## Where are we today?

Publisher	Status of “shibbolization”
Elsevier ScienceDirect	In production with some US universities; Test with SWITCHaai before end of 2005
EBSCO	Pilot with US federation
OCLC	Prototype for OCLC FirstSearch
JSTOR	Prototype in the US
ProQuest	In development
Thomson Gale	In development
OVID	In development
CSA	In development
...	

### 3. AAI (A3I) Timeline



# A3I Architecture



**User Administration  
Authentication**

**Authorization**

**Resource**

**Accounting**

M = Metering  
C = Collecting  
R = Reporting

## 4. Inter-federation approaches

- Multi-federation support is part of current Shibboleth 1.3
- Inter-federation is not only a technical problem
  - How to federate trust beyond federations?
  - Common policies across federations?
- Interim approach
  - Single SP of another federation can be integrated as Federation Partner
  - Single IdP of another federation can have bilateral agreements with one or more SPs
- Federating AAls is a work item of GÉANT2-JRA5
  - SWITCH will participate in the pilot with the test federation

## 5. SAML 2.0 & Shibboleth 2.0

- Today we use OpenSAML 1.1 and Shibboleth 1.3
- SAML 2.0 was finalized in March 2005
  - We already use the SAML 2.0 metadata format with Shibboleth 1.3
- OpenSAML 2.0 implementation in the works – Java & C++
- Shibboleth 2.0 to follow in 2006
  - Intended to be compatible with Shibboleth 1.2 & 1.3
  - In the mean time, e.g. work on Active Directory Federation Services (ADFS) extension for Shibboleth 1.3 SP
- Single Log Out (SLO) is a new feature of SAML 2.0

SAML = Security Assertion Markup Language



## 6. Non-browser applications

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- GridShib a project funded by NSF Middleware Initiative
  - Use Grid identity for Shibboleth transactions
- SWITCH proposal for EGEE2
  - Use Shibboleth identity for Grid activities
- Web Services
  - Limited possibilities with Shibboleth 1.3
- Network Access using AAI
  - A work item of GÉANT-JRA5

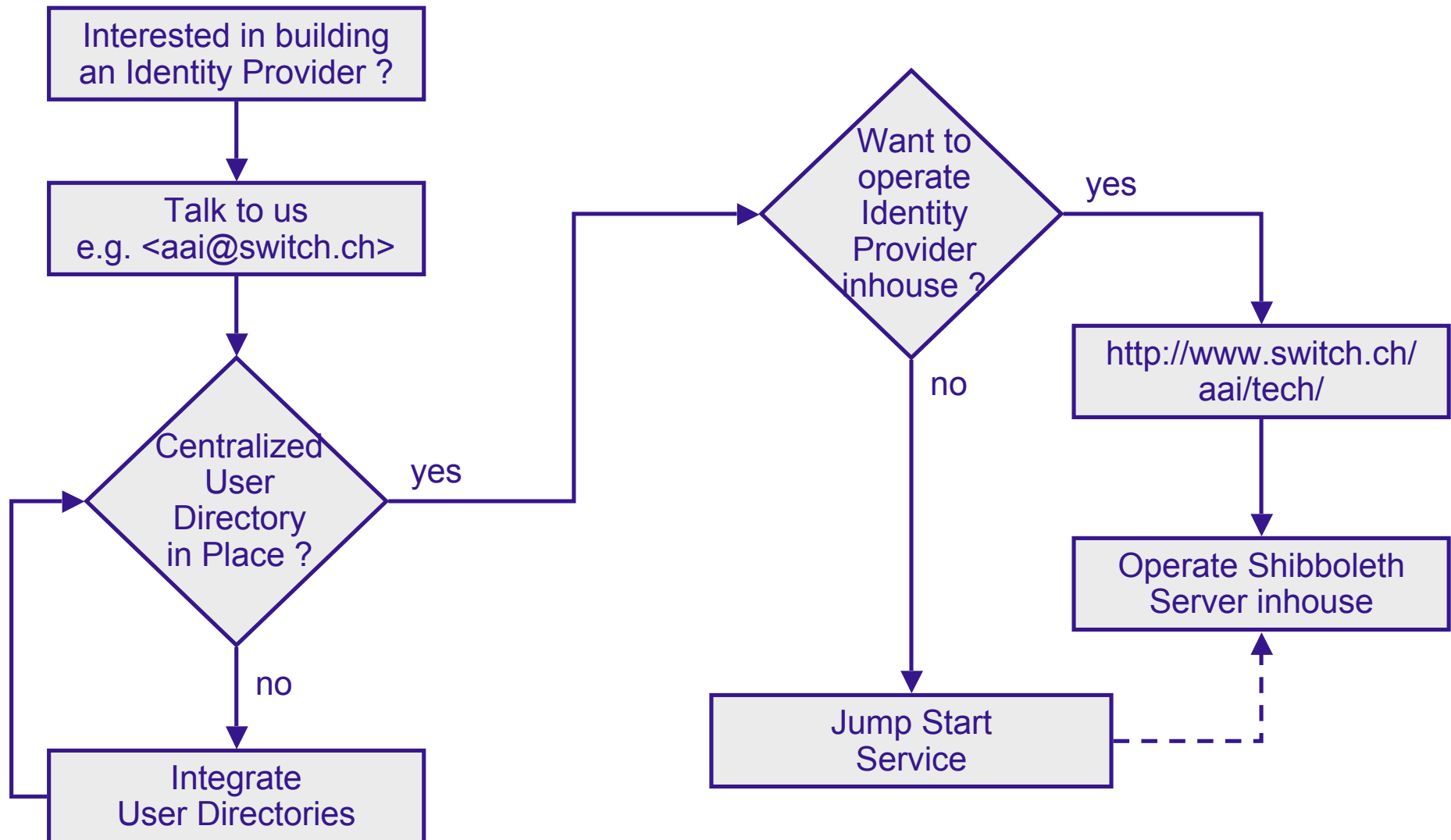
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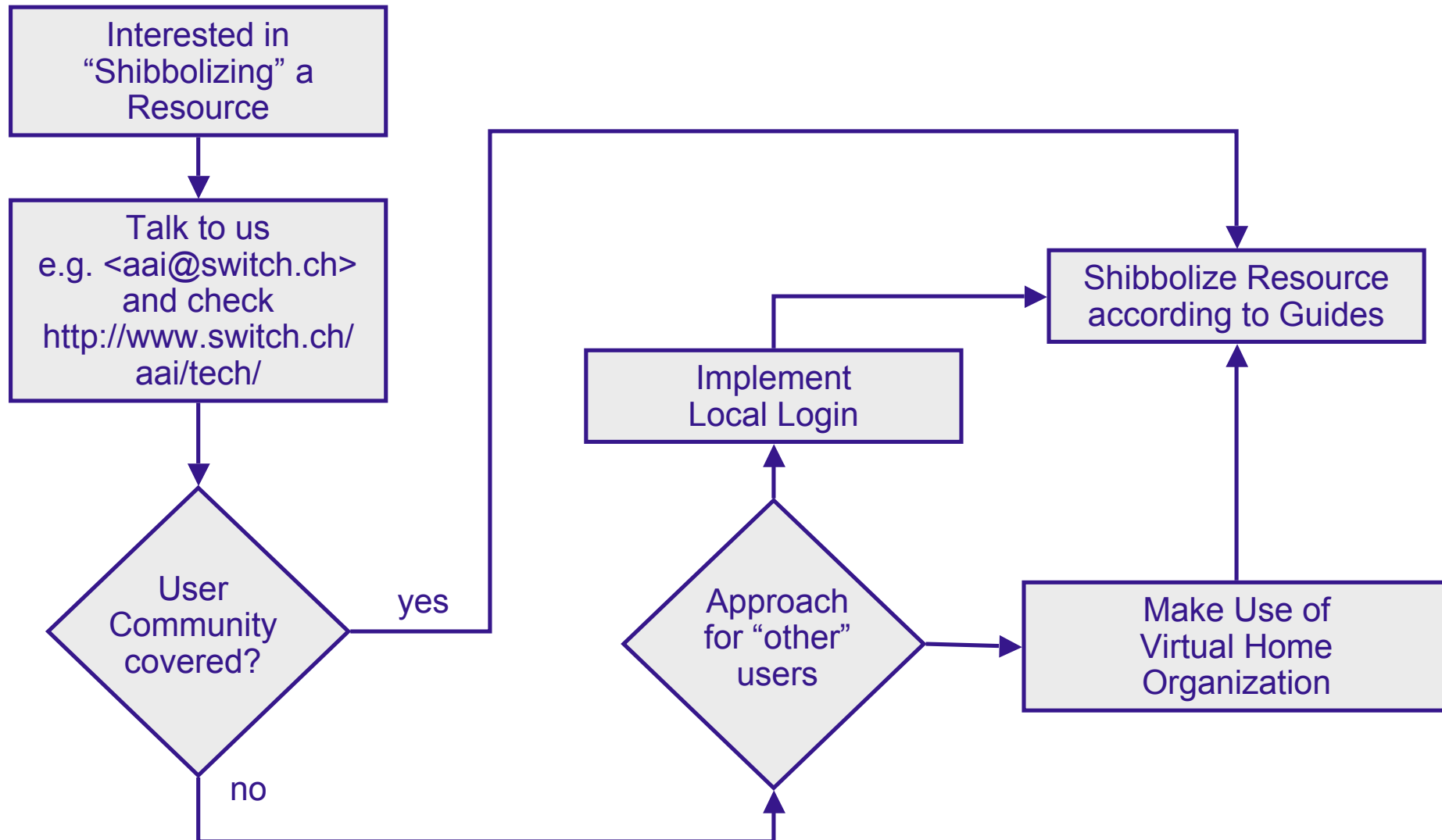
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## How to get involved

# Building an Identity Provider



# „Shibbolizing“ a Resource



# Our Support and Services

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- ❑ <http://www.switch.ch/aai>
- ❑ [aai@switch.ch](mailto:aai@switch.ch)
- ❑ 01 268 15 05
- ❑ On-site presentation of the AAI project
- ❑ A couple of days on-site support for integrating resources
- ❑ Virtual Home Organization Service
- ❑ Jump Start Service

# Further Information

- ❑ SWITCHaai Website:

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

- ❑ Shibboleth:

<http://shibboleth.internet2.edu/>

- ❑ Shibboleth Demo:

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

- ❑ Attribute Specification:

[http://www.switch.ch/aai/docs/AAI\\_Attr\\_Specs.pdf](http://www.switch.ch/aai/docs/AAI_Attr_Specs.pdf)

# Feedback/Suggestions welcome!



**Please fill out the Feedback Form before you leave!**

# Q & A

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