Project SWITCH edu-ID
Agenda

• Time Line
• Quantity Structure
• Costs
• Sub-Projects
• Problems during the Project
• Lessons Learned
• Project Completion
• Follow-Up Projects

Story about UNILU migration:
https://swit.ch/UNILU_migration
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 2017</td>
<td>First meeting with SWITCH</td>
</tr>
<tr>
<td>March 2018</td>
<td>Project start</td>
</tr>
<tr>
<td>May 2018</td>
<td>Start of the information and communication concept in cooperation with the public relations department</td>
</tr>
<tr>
<td>September 2018</td>
<td>Adjustment of the online registration for new students</td>
</tr>
<tr>
<td>October 2018</td>
<td>Build-up of the migration website (linking SWITCHaai with edu-ID)</td>
</tr>
<tr>
<td>December 2018</td>
<td>Build-up of the Sync-Tool for data synchronization with the edu-ID API</td>
</tr>
<tr>
<td>February 2019</td>
<td>Migration to SWITCH edu-ID</td>
</tr>
<tr>
<td>April 2019</td>
<td>Project completion</td>
</tr>
</tbody>
</table>

Project SWITCH edu-ID
# Quantity Structure

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of students</td>
<td>3,000</td>
</tr>
<tr>
<td>Number of staff</td>
<td>550</td>
</tr>
<tr>
<td>Number of external lecturers</td>
<td>300</td>
</tr>
</tbody>
</table>
## Costs

<table>
<thead>
<tr>
<th>Description</th>
<th>CHF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjustment of the online registration for new students</td>
<td>16'800</td>
</tr>
<tr>
<td>Build-up of the migration website</td>
<td>15'500</td>
</tr>
<tr>
<td>Sync tool for the data synchronization with the edu-ID API</td>
<td>16'800</td>
</tr>
<tr>
<td>Post stabilization of the Sync-Tool</td>
<td>3'300</td>
</tr>
</tbody>
</table>

Internal costs (manpower) of the University Lucerne and SWITCH aren’t considered here.
Sub-Projects

Separation of the project into four sub-projects:

I. Information and Communication

II. Adjustment of the Online Registration (for new students)

III. Migration Website (linking SWITCHaai with edu-ID)

IV. Sync-Tool for data synchronization (with the edu-ID API)
I - Information and Communication

Goals

• Information about SWITCH edu-ID and the planned migration at an early stage.

• Development of an info website, sending of newsletters and personally addressed e-mails (shortly before and after the migration).

• Motivate all university members to create an edu-ID and link it with SWITCHaai.
II - Adjustment of the Online Registration

Goals

• Replacement of temporary logins with SWITCH edu-ID.

• Benefit: New students already have a SWITCH edu-ID after registering.

• Saving the SWITCH edu-ID GUID in the administration solution for synchronization with the UNILU identity later on.
II - Adjustment of the Online Registration

Online registration for new students

Application

You can apply from mid-February on for the Fall semester and from mid-September on for the spring semester.

Please check the admission guidelines and verify the application deadlines before you start the application process.

Re-enrollment

Former students of the University of Lucerne please submit one of these forms:

- Form: Enrolment to study
- Form: Re-enrolment to program

Finalization of the Online Application

On the very last page of the online application process the payment of the application fee is required. The application fee is CHF 100.00 for all study levels and study programs. You can pay either directly by credit card or by postbank wire. For payments by postbank, the payment slip has to be uploaded and the finalization button needs to be pressed after the account is credited.

Importance: After the successful completion of the application process, you will receive a confirmation by e-mail from the Student Administration Office. If you do not receive such an email subsequently, please contact studentadmin@unilu.ch.

GO TO: <ONLINE REGISTRATION>
III - Migration Website

Goals

• Guided creation of a SWITCH edu-ID.

• Saving the SWITCH edu-ID GUID during the process in the administration solution.

• Website can still be used after migration for new employees and exchange students.
III - Migration Website

Login with the Active Directory Account (staff or student)

Register to the webservice Migrate2eduID
Please register with the username for employees (e.g., Muster@) or with the username for students (e.g., 511-111-111).

522-222-227
Password

Login
III - Migration Website

Login with the SWITCH edu-ID

![Login page](image)
III - Migration Website

- Saving of the edu-ID GUID after successful login.

- With the Sync-Tool, the data is synchronized via the SWITCH edu-ID API every 30 minutes.
IV - Sync-Tool for data synchronization

Goals

• Fully automated data synchronization via the SWITCH edu-ID API.

• UNILU identities (staff, students) are added, changed or deleted to SWITCH edu-ID accounts (one way sync to SWITCH) on the basis of the data in the administration solution.
Problems during the Project

- Delays in the introduction of the online registration for new students due to unclear internal deadlines.
- Double swissEduUniqueIDs resulted in adjustments to the administration solution and SWITCHaai SPs such as OLAT. As a consequence, the migration had to be postponed by one month.
- Due to the late completion of the edu-ID API by SWITCH, the data synchronization could only be completed, tested and launched very shortly before the migration.
- High support effort after the Migration for UNILU IT and SWITCH, as only around 50% of all university members had linked their SWITCHaai account with their edu-ID.
Lessons Learned

• Early agreements with responsible persons of internal processes and external service providers are essential and the basis for a successful implementation.

• 100% of all university members can be reached via newsletter, info website and e-mails but this information is often not read. It is not clear how this problem could be solved for future projects.

• New innovative services, which can only be used with SWITCH edu-ID, would significantly improve its acceptance in advance.
On April 24th, we could officially finish the project.

Around 85% of all university members have now a linked SWITCH edu-ID.

Due to their function, some of our university staff members will probably not need a SWITCH edu-ID at all.

As soon as we can combine eduroam with SWITCH edu-ID, another 5-10% of our users are expected to create an eduo-ID.
Follow-Up Projects

- Add SWITCH edu-ID to the login area of the Alumni Portal.

- Extend online registration with SWITCH edu-ID for other university users such as audit students, further education students, etc..

- Rapidly introduce innovative projects such as eduroam with SWITCH edu-ID.
Links

• Info Website
  https://www.unilu.ch/uni-leben/informatik/edu-id

• Online Registration for new students
  https://portal.unilu.ch/site/besucher/anmeldung/en-us

• Migration Website
  https://migrate2eduid.unilu.ch

• External Partner for RelationDesk, UniPortal Migration Website & Sync-Tool
  https://www.leuchterag.ch/software-engineering/produkte/relation-desk/

• SWITCH Story