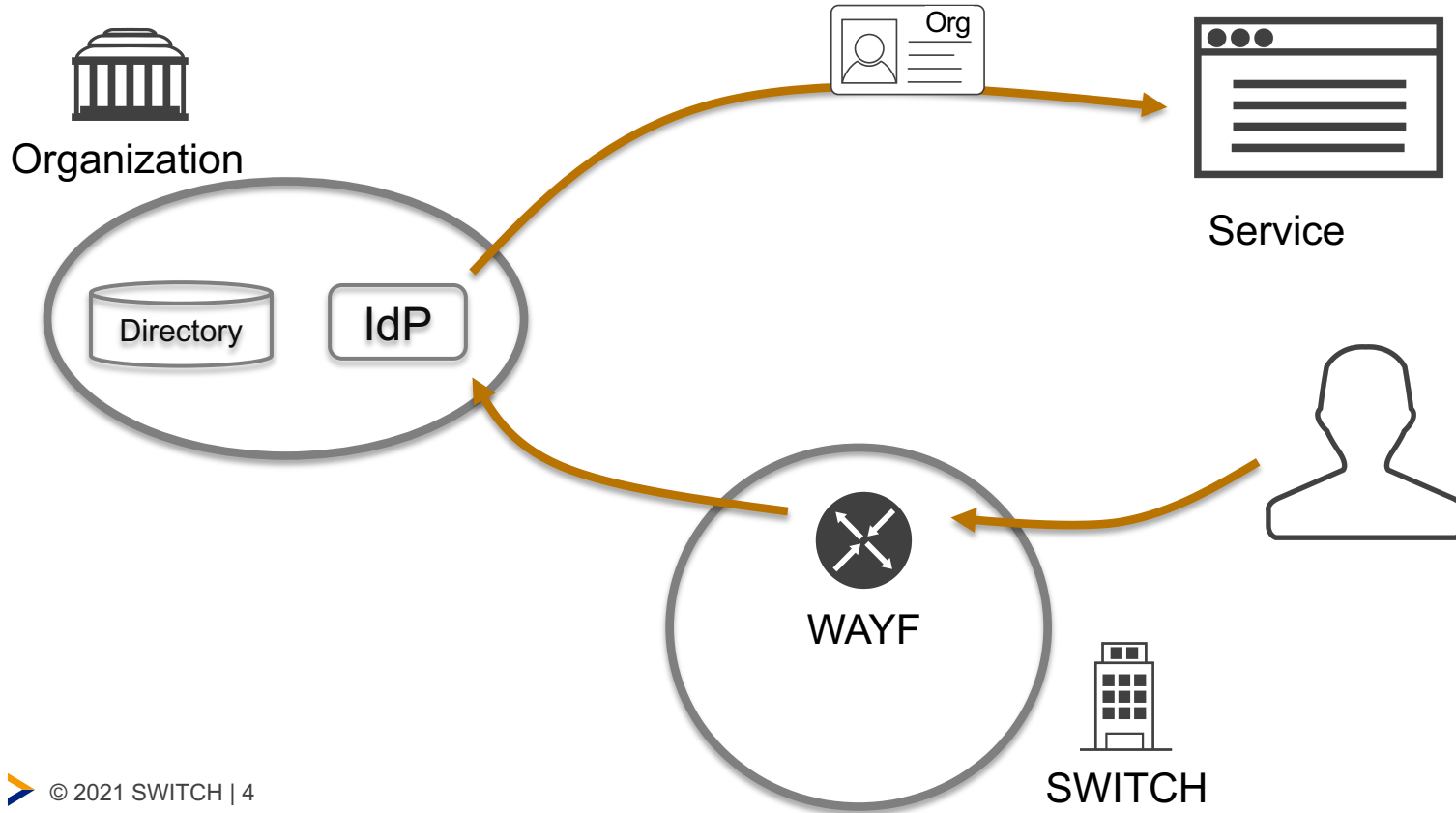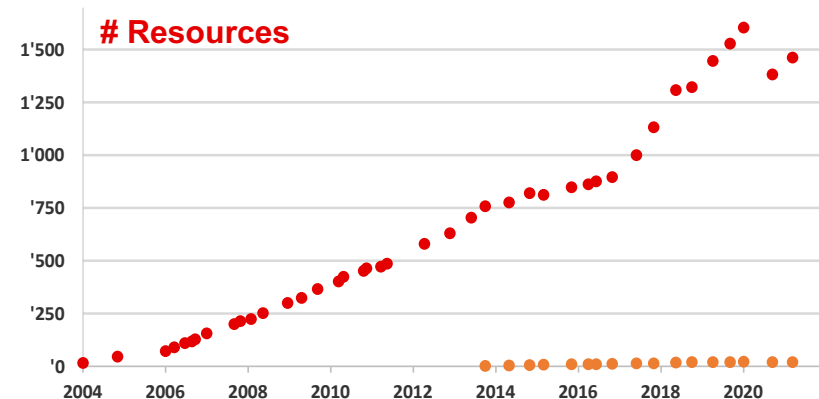# SWITCH edu-ID

SWITCH

Rolf Brugger

23.6.2021
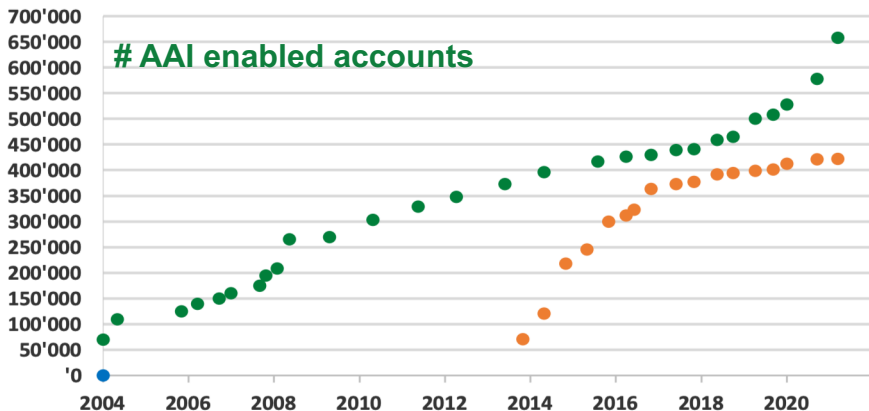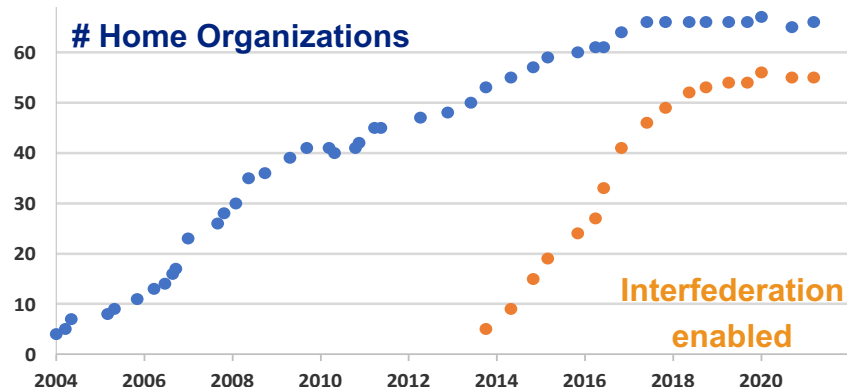
Organisation with their own AAI-IdP

Organisation with edu-ID Integration

SWITCHaai Federation Spring 2021
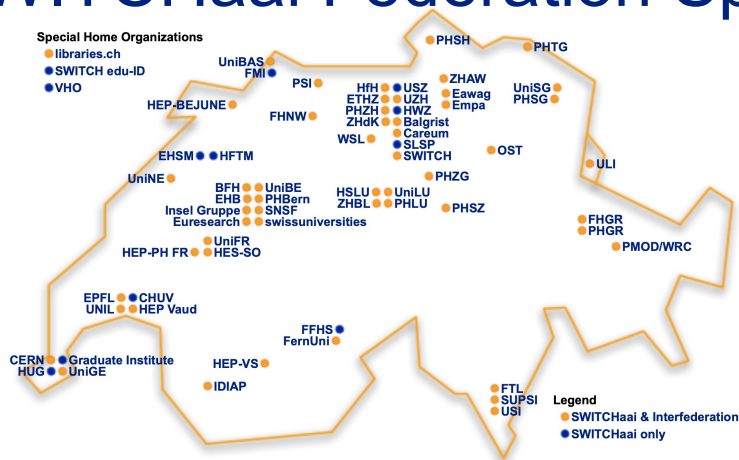
SWITCH edu-ID Accounts – last 12 Months

SWITCH edu-ID Accounts - from Thu Apr 16 12:08:37 2020 to Fri May 21 12:08:37 2021

Legend:
- Active accounts
- – With Gender
- – With Birthday
- – With Preferred Language
- – With Business Address
- – With Home Address
- – With Verified Home Address
- – With Business Phone
- – With Home Phone
- – With Additional Mail Addresse(s)
- – With inactive contact e-mail
- – With Mobile Number
- – With 2FA Enabled
- – With linked ORCID
- – With SSH Public Key
- Current affiliations
- Former affiliations
- Users with current affiliations
- Users with former affiliations
- Daily Active Users
- Weekly Active Users
- Monthly Active Users

- Active users
- Affiliated with university: 55%
- Former affiliations: 15%

7

Developed with and for Swiss universities

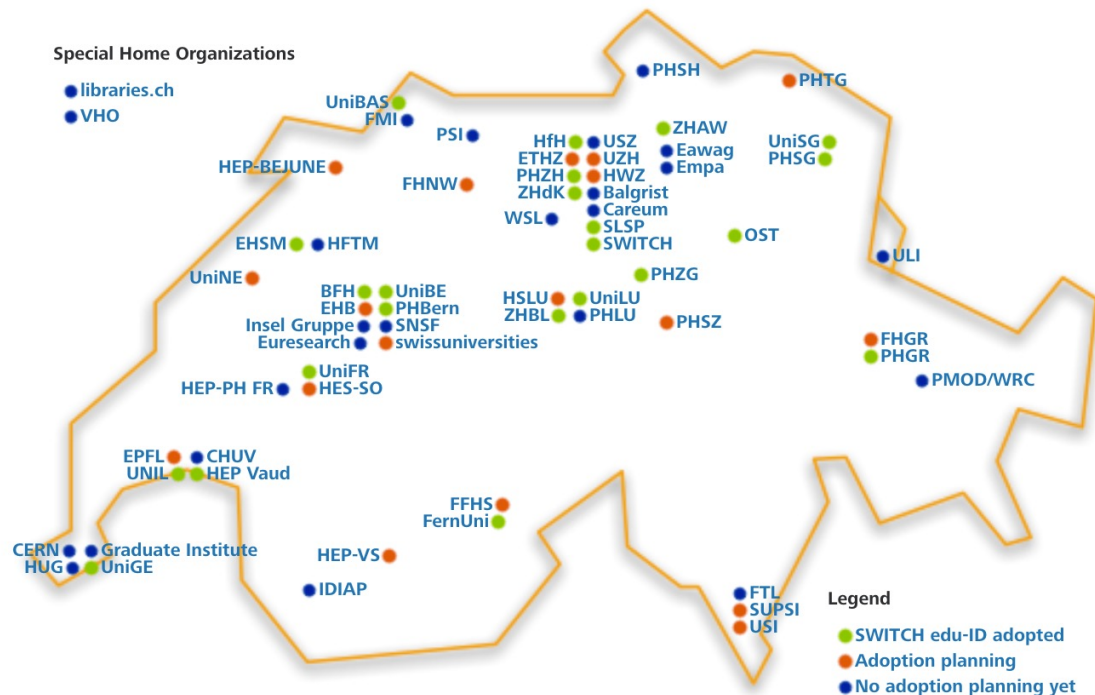SWITCH edu-ID is the established standard at Swiss universities.

Special Home Organizations

libraries.ch
VHO
UniBAS
FMI
HEP-BEJUNE
PSI
FHNW
HfH USZ
ETHZ UZH
PHZH HWZ
ZHdK Balgrist
Careum
WSL SLSP
SWITCH
EHSM HFTM
UniNE
BFH UniBE
EHB PHBern
Insel Gruppe SNSF
Euresearch swissuniversities
UniFR
HEP-PH FR HES-SO
HSLU UniLU
ZHBL PHLU
PHSZ
PHSH
PHTG
ZHAW
Eawag
Empa
UniSG
PHSG
OST
ULI
PHZG
FHGR
PHGR
PMOD/WRC
EPFL CHUV
UNIL HEP Vaud
FFHS
FernUni
CERN Graduate Institute
HUG UniGE
HEP-VS
IDIAP
FTL
SUPSI
USI

Legend
● SWITCH edu-ID adopted
● Adoption planning
● No adoption planning yet
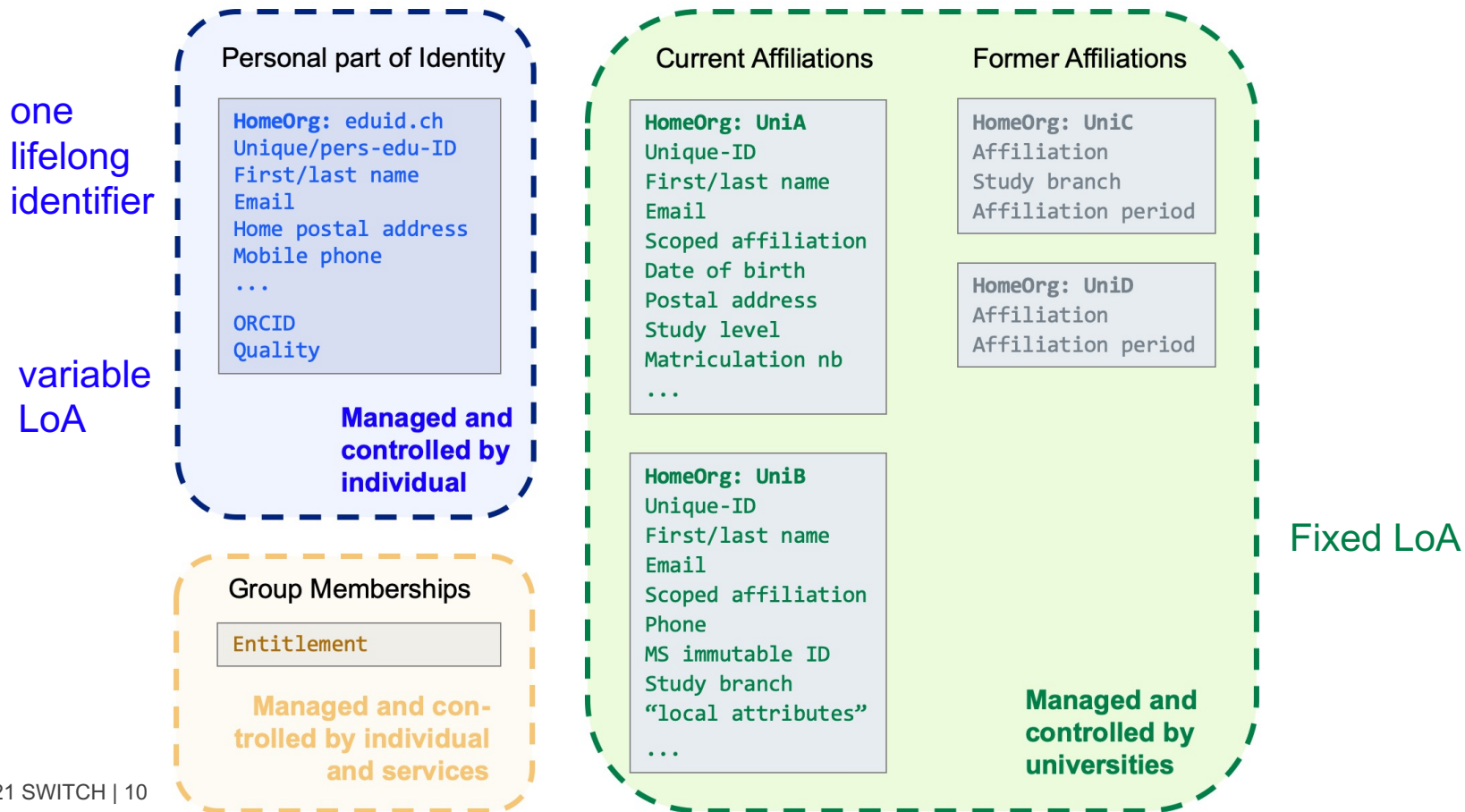
More

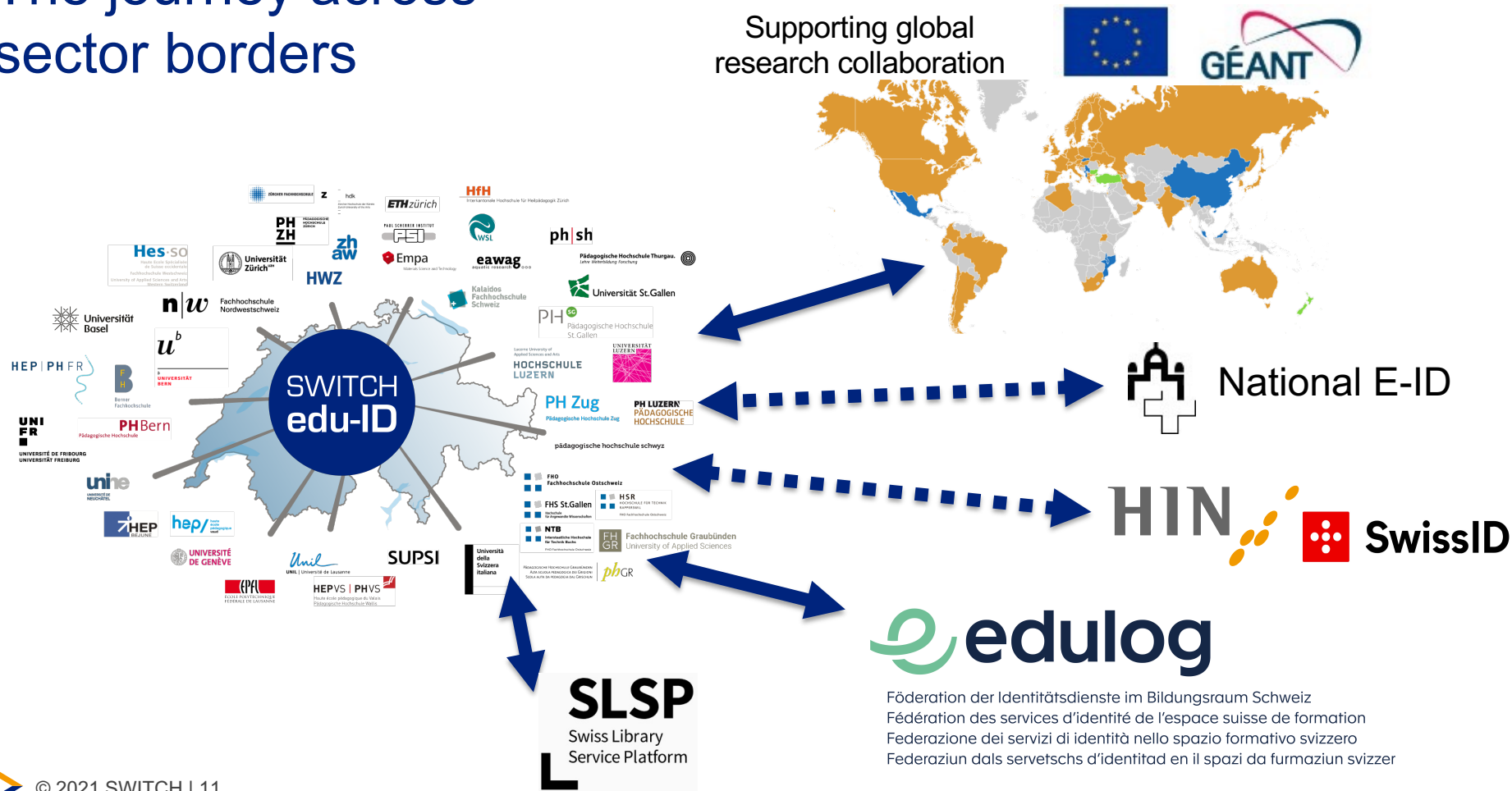https://www.switch.ch/edu-id/universities/

The AAI data model

```
HomeOrg: UniA
Unique-ID
First/last name
Email
Scoped affiliation
Date of birth
Postal address
Study level
Matriculation nb
...
```

The edu-ID data model

SWITCH

one lifelong identifier

variable LoA

Fixed LoA

Personal part of Identity

```
HomeOrg: eduid.ch
Unique/pers-edu-ID
First/last name
Email
Home postal address
Mobile phone
...

ORCID
Quality
```

Managed and controlled by individual

Group Memberships

```
Entitlement
```

Managed and controlled by individual and services

Current Affiliations

```
HomeOrg: UniA
Unique-ID
First/last name
Email
Scoped affiliation
Date of birth
Postal address
Study level
Matriculation nb
...
```

```
HomeOrg: UniB
Unique-ID
First/last name
Email
Scoped affiliation
Phone
MS immutable ID
Study branch
"local attributes"
...
```

Former Affiliations

```
HomeOrg: UniC
Affiliation
Study branch
Affiliation period
```

```
HomeOrg: UniD
Affiliation
Affiliation period
```

Managed and controlled by universities

The journey across sector borders

Supporting global research collaboration

National E-ID

HIN

SwissID

edulog

Föderation der Identitätsdienste im Bildungsraum Schweiz
Fédération des services d'identité de l'espace suisse de formation
Federazione dei servizi di identità nello spazio formativo svizzero
Federaziun dals servetschs d'identitad en il spazi da furmaziun svizzer

SLSP
Swiss Library Service Platform

Outlook: … to a self-sovereign edu-ID

First thoughts on this journey: https://www.switch.ch/stories/Bring-your-own-identity/

Organization

Directory

AP

Service

E-ID

IdP

Attribute aggregator

Directory

Wallet

SWITCH

E-ID