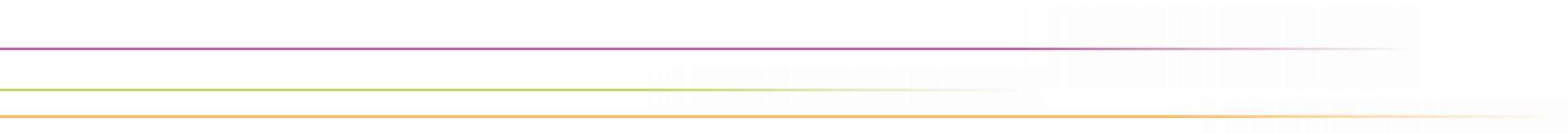


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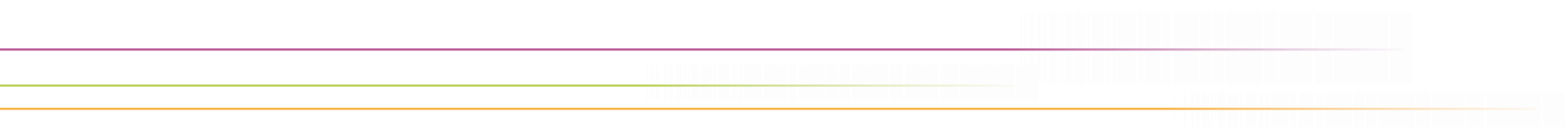




# DFN edu-ID (Update)

International eduID BoF @ TNC21 | June, 25th, 2021

Wolfgang Pempe (pempe@dfn.de)



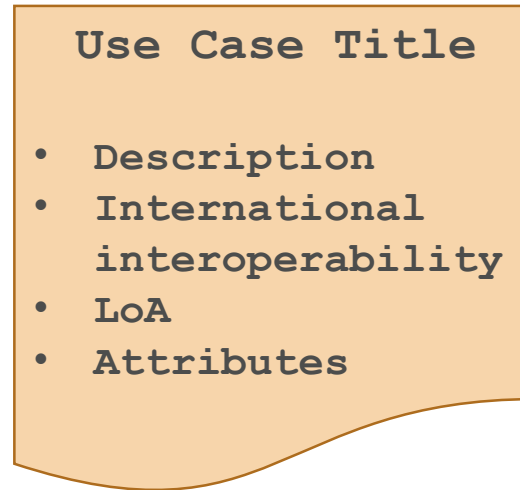
## The story so far

- ▶ Concept of SWITCH edu-ID also interesting for the German R&E community
- ▶ Since March 2019: open working group (research communities, universities, libraries, commercial service providers, DFN-CERT, SWITCH)
- ▶ Use case-driven development of DFN edu-ID concept
- ▶ Gathering use cases → requirements regarding:
  - ▶ Core attributes
  - ▶ Levels of Assurance
  - ▶ Technical Architecture
- ▶ Three multi-day workshops (pre-CV19), 14 online meetings

## Current status (1)

▶ Use Cases from four areas:

- ▶ Student Lifecycle (6)
- ▶ University Teaching (5)
- ▶ Research (10)
- ▶ University Administration (4)



▶ Basic features & requirements:

- ▶ Lifelong, user-centric identity, identity vetting based on eIDAS-compliant eGov IDs
- ▶ Support for onboarding scenarios (reliable identities!)
- ▶ Uninterrupted access to services/credentials/resources
- ▶ Portability of user data, account linking (attributes, identifiers like ORCID)
- ▶ IdP for Homeless Users, facilitation of VO management

## Current status (2)

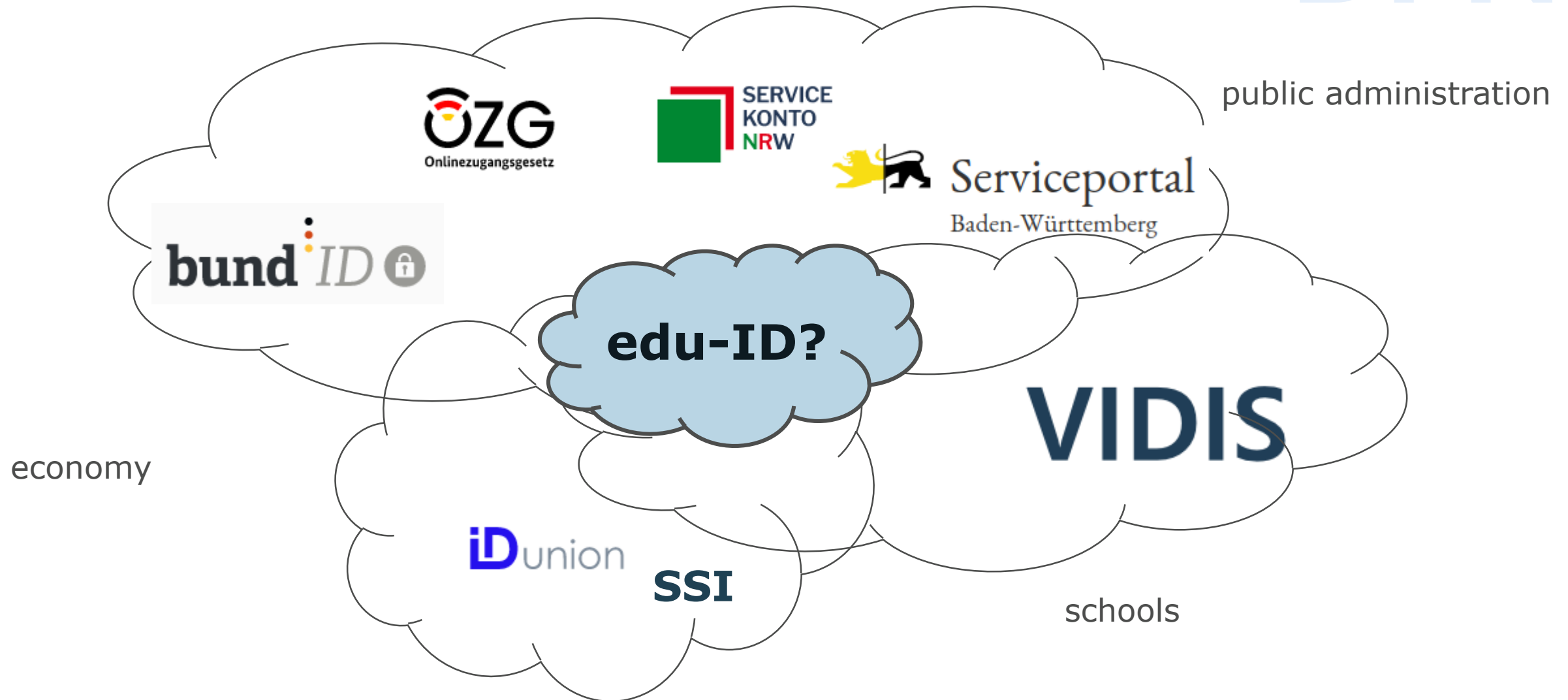
### ▶ Done:

- ▶ Core attributes
- ▶ Technical architecture (proxy-based)
- ▶ Levels of assurance (almost...)
- ▶ Decision: let's start with research-related use cases

### ▶ TODO:

- ▶ POC implementation (IdM system, SP/IdP proxy, portal, eID/eIDAS server)
- ▶ Operational concept (security, costs, support, ...)
- ▶ Policies, contracts
- ▶ Data protection legal opinion, DPIA(?)
- ▶ . . . .

# Digital identities in Germany



# Thanks! Questions? Comments?

DFN

## ► Contact

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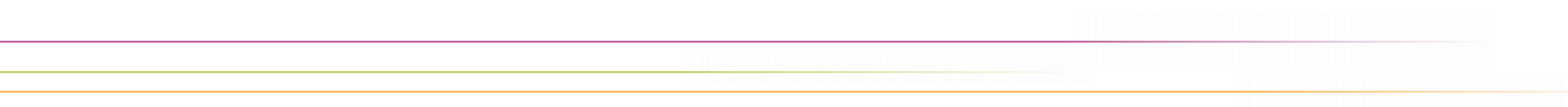
Alexanderplatz 1

D-10178 Berlin



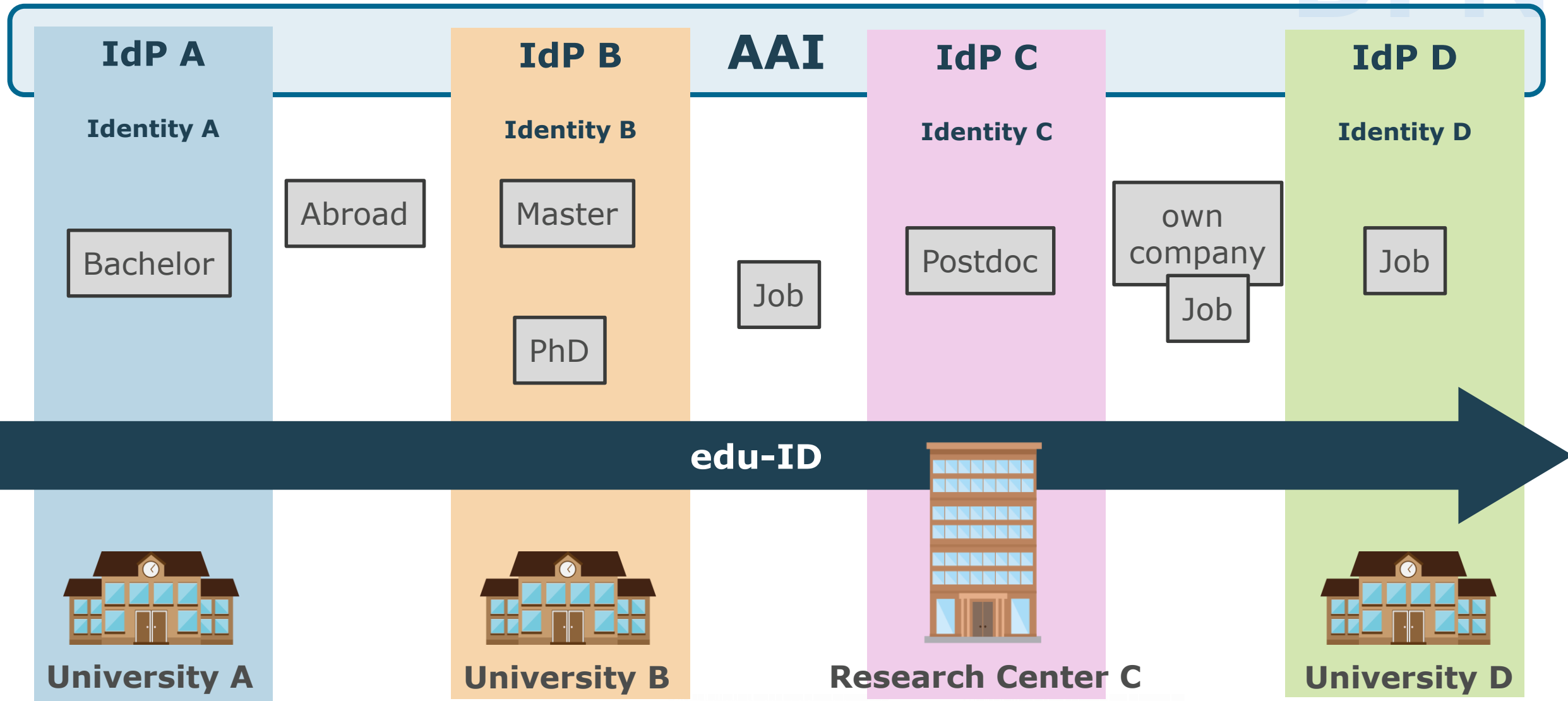
# DFN

## Backup Slides



# One lifelong digital Identity...

DFN

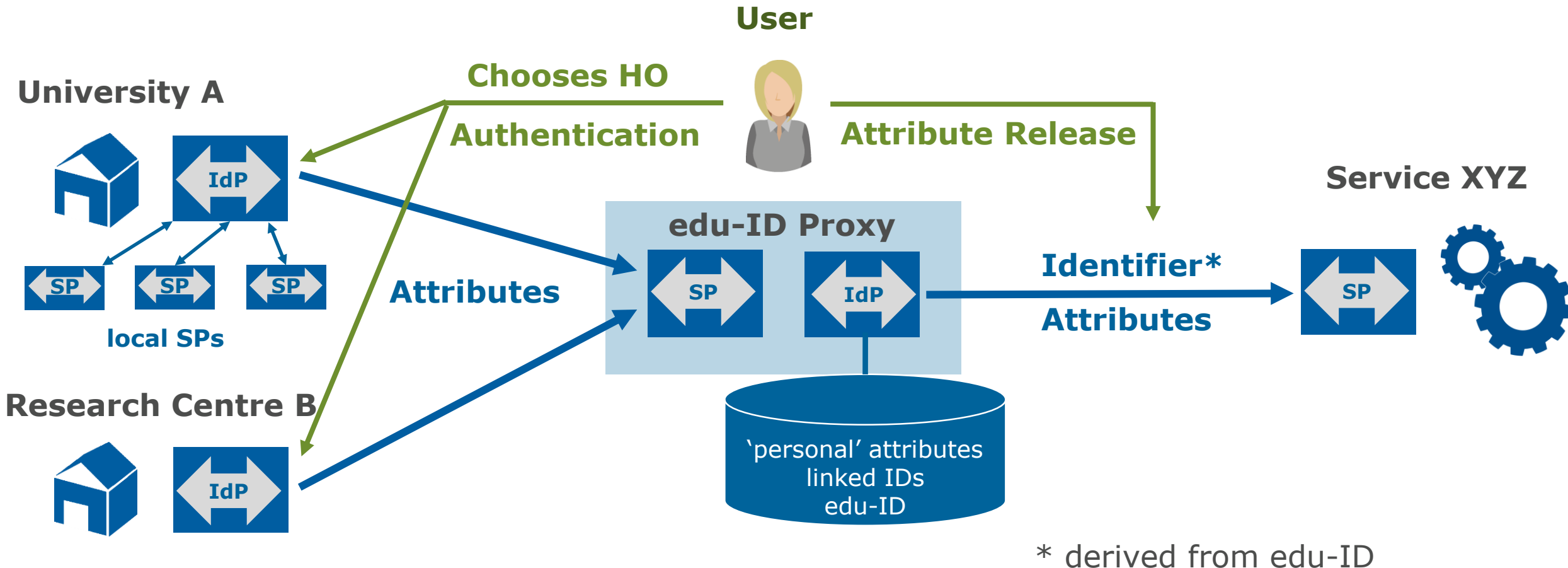


# Considerations and Requirements

- ▶ Support the identified use cases
- ▶ Account linking, aggregation of attributes and identifiers (other identities)
- ▶ edu-ID must be stored in the IdM/User Directories of the Home Organizations
- ▶ Home IdP still required for so-called “local SPs” (DFN-AAI metadata registry enables management of campus-level federations), sometimes very specific configurations → no Hub-and-Spoke model (like SWITCH eduID)
- ▶ Seamless SSO User Experience for institutional users → ideally one authentication source

# edu-ID System as Proxy

For homeless users, the edu-ID IdP is the only authentication source



## Registration and Onboarding

