



Identity proofing with photoID and smartphone SisulD pilot in ELIXIR



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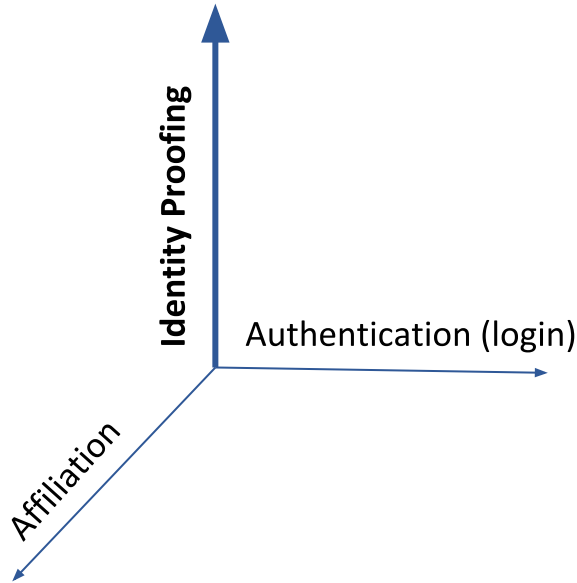
www.elixir-europe.org

ELIXIR

- European ESFRI research infrastructure for biological data
 - data generation, archival, processing...
- 22 member nodes
 - Finnish and Czech node have AAI focus -- ELIXIR AAI
- ELIXIR caters different ELIXIR communities
 - Human data community's data is sensitive
 - => strong needs on AAI



The 3 dimensions of Identity Assurance



Identity Proofing (at registration)

- Traditionally, present government-issued photoID at a registration desk

Authentication (at login)

- Multi-factor, e.g. smartphone app

Affiliation

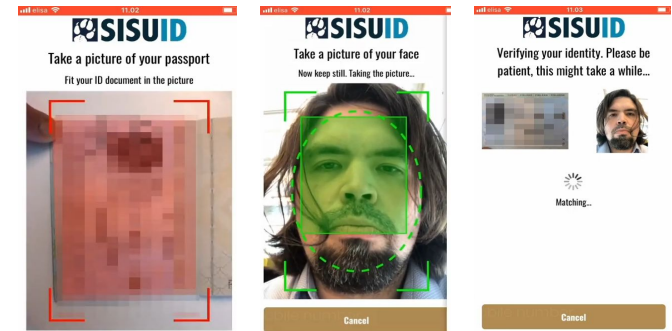
- A person works for a university or research institution

Self-service ID proofing emerging



Secure and free digital identity for the global citizens

1. A researcher installs a smartphone app
2. S/he takes a photo of his/her national passport with the camera
 - a. or reads biometric passport by NFC
3. S/he takes a photo of his/her face with the camera
4. The app sends the two photos to back-end server for verification
5. An identity is enrolled to him/her
 - a. eIDAS low or substantial



Screencast videos:

Registering SisUID:

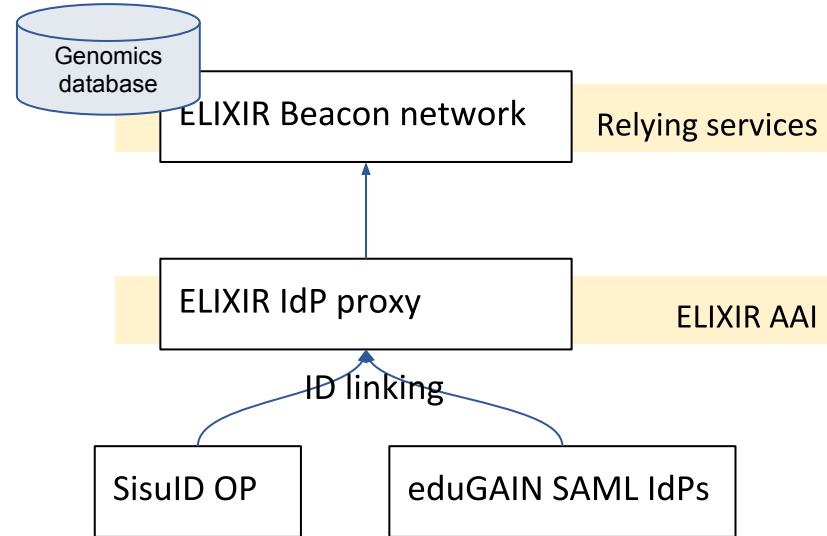
<https://youtu.be/gAxYgh4GR8g>

Using SisUID in ELIXIR Beacon Network:

<https://youtu.be/OMawkudVMpo>

ELIXIR pilot with SisuID spring 2019

- SisuID appeared to ELIXIR AAI as an OIDC OP
- SisuID delivers a UUID and passport data
- ELIXIR AAI uses the UUID as another linked ID



Observations by ELIXIR AAI (pilot spring 2019)

Benefits

- fully automated
(anytime, anywhere)
- accessible to all?
(passport, smartphone)
- reasonable cost

Downsides

- passport scan invasive?
- no proven track record
yet



Is there room for collaboration in R&E sector?

- The need is the same in several scientific domains
- There is some track record in providing common services
 - TCS, RCAuth, ...
- Who would be the actors, who the stakeholders?
 - GEANT T&I?

