

e-ID

Electronic identity and trust infrastructure

05.06.2025



Recording

This session is recorded and published on YouTube.



swiyu

@swiyu-admin-ch · 131 Abonnenten · 37 Videos

Elektronische Identität und Vertrauensinfrastruktur ...[mehr](#)

eid.admin.ch/de und 2 weitere Links

Abonnieren

Übersicht Videos Playlists



Erstellte Playlists

Sortieren nach

Introduction à l'e-ID et
l'infrastructure de confiance

20.03.2025

swiyu | [www.eid.admin.ch](#)

⇒ 2 Videos



Participation meeting
executive summary in English

04.07.2024
⇒ 5 Videos

Questions and answers

- Please consult our ressources!
 - www.eid.admin.ch
 - <https://www.youtube.com/@swiyu-admin-ch>
 - <https://github.com/swiyu-admin-ch>
- Please ask specific questions via chat - they will be answered via chat.
- Please ask questions that are of interest to everyone in the end via microphone.

Referendum vote on 28 September



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

BBI 2025
www.fedlex.admin.ch
Massgebend ist die signierte
elektronische Fassung



Ablauf der Referendumsfrist: 19. April 2025 (1. Arbeitstag: 22. April 2025)

**Bundesgesetz
über den elektronischen Identitätsnachweis
und andere elektronische Nachweise
(E-ID-Gesetz, BGEID)**

vom 20. Dezember 2024

Art. 36 Referendum und Inkrafttreten

- 1** Dieses Gesetz untersteht dem fakultativen Referendum.
- 2** Der Bundesrat bestimmt das Inkrafttreten.

Inhalt

- Why do we need the e-ID?
- What is the e-ID?
- How does the e-ID work?
- How is my e-ID secured, and my privacy protected?
- Where can I use my e-ID?
- What else can **swiyu** do?
- What happens next?

Why do we need the e-ID?

On the internet, nobody knows who I really am



What is the e-ID?

The e-ID is the digital form of my ID card



Contents of the e-ID

Attributes relating to the person

- a. Official name
- b. first names
- c. date of birth
- d. sex
- e. place of origin
- f. place of birth
- g. nationality
- h. facial image
- i. AHV number

Additional data

- a. e-ID number
- b. date of issue
- c. expiration date
- d. details of the ID used in the issuing process, in particular the type and expiration date of the ID
- e. details of the issuing process

The e-ID is voluntary



No more interruption in data flows

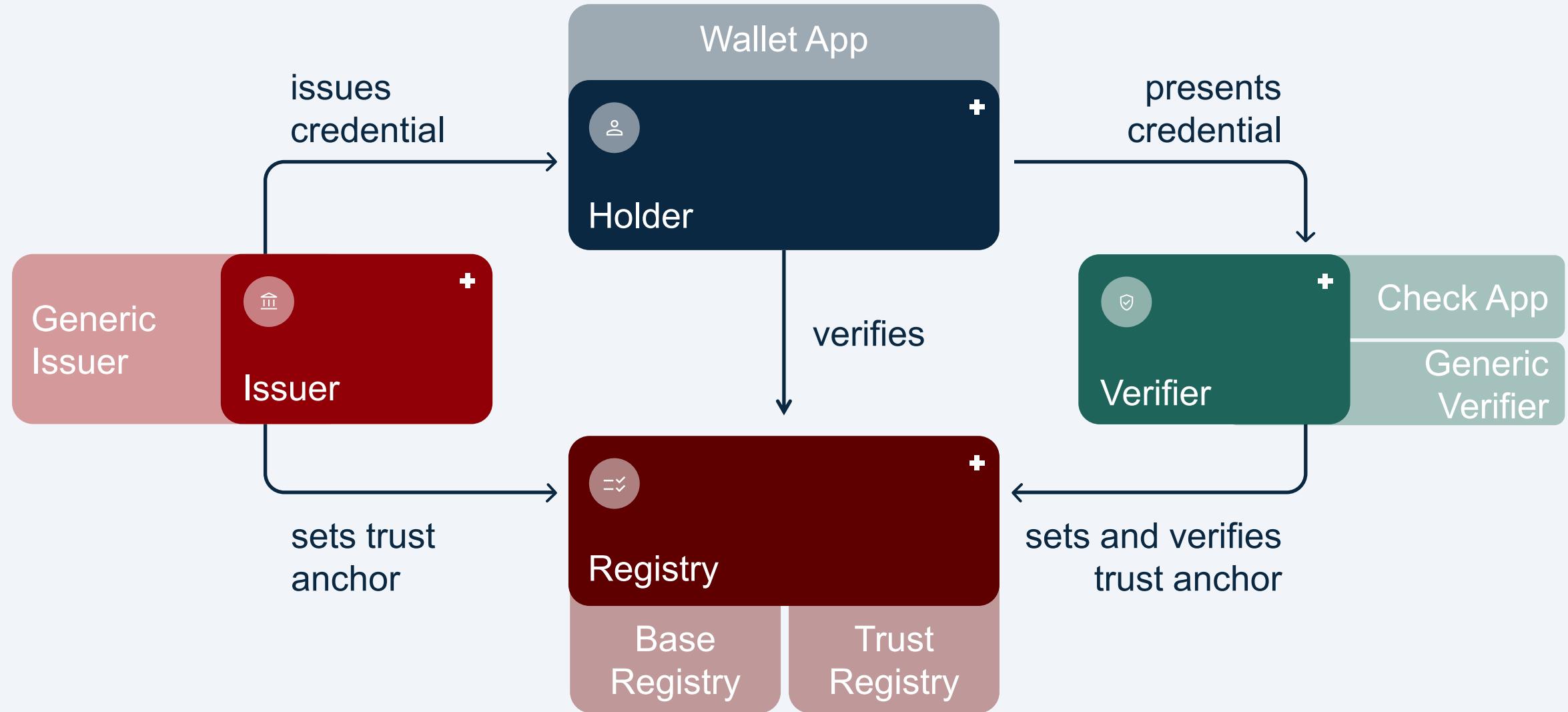


With the e-ID, I control
who I share my data with



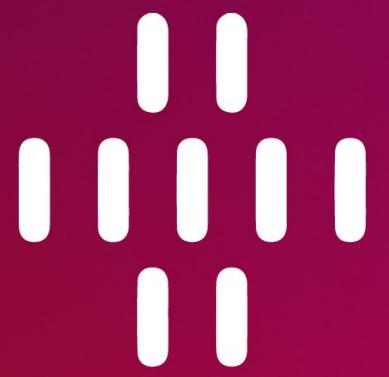
How does the e-ID work?

swiyu, the state's trust infrastructure





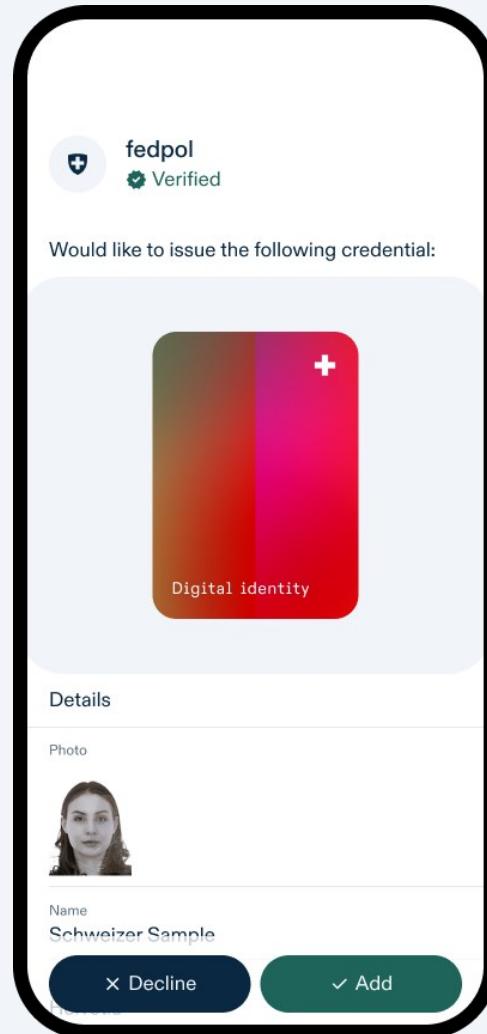
Team of 120 people, budget CHF 180 million



swiyu

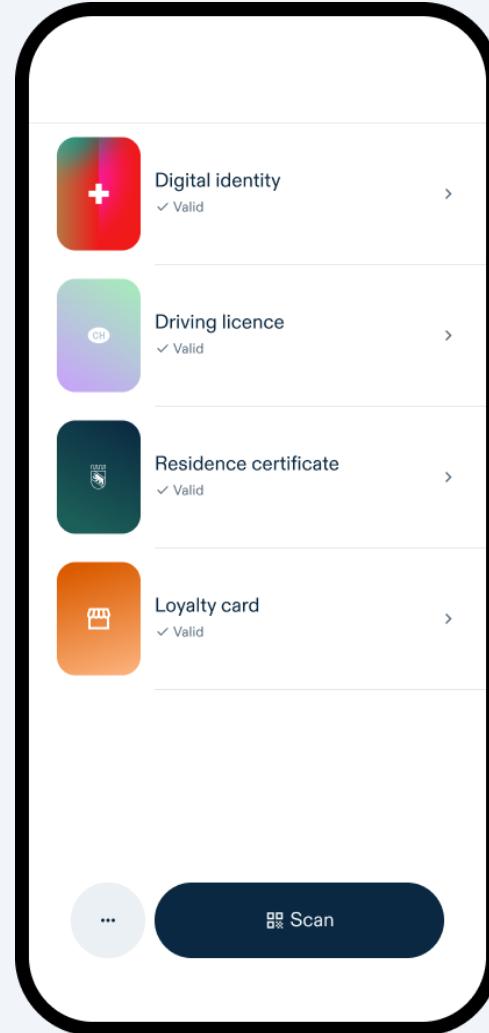
I can use swiyu to request...

... the e-ID and other verifiable credentials



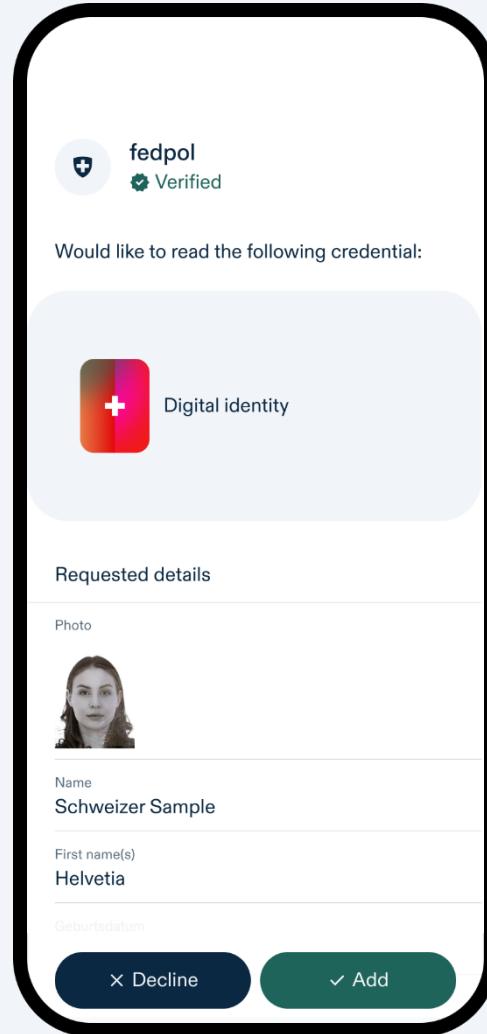
I can use swiyu to store...

... for the e-ID and other verifiable credentials



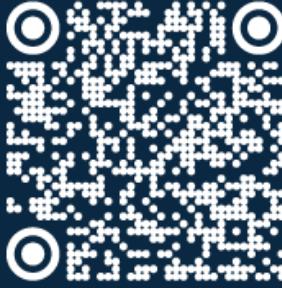
I can use swiyu to present...

... for the e-ID and other verifiable credentials



Try out **swiyu** and Beta-ID yourself

swiyu |  A service of the Swiss Confederation



 App Store & Google Play



How is my e-ID secured, and my privacy protected?

This is how my e-ID is secured

- e-ID is only stored on my smartphone (decentralised data storage)
- e-ID is linked to my smartphone (device binding)
- e-ID is only valid from my smartphone (no replay)
- Transparency (open-source software)
- External controls (pen tests, bug bounties)
- Securing of issuing data in federal government data centres

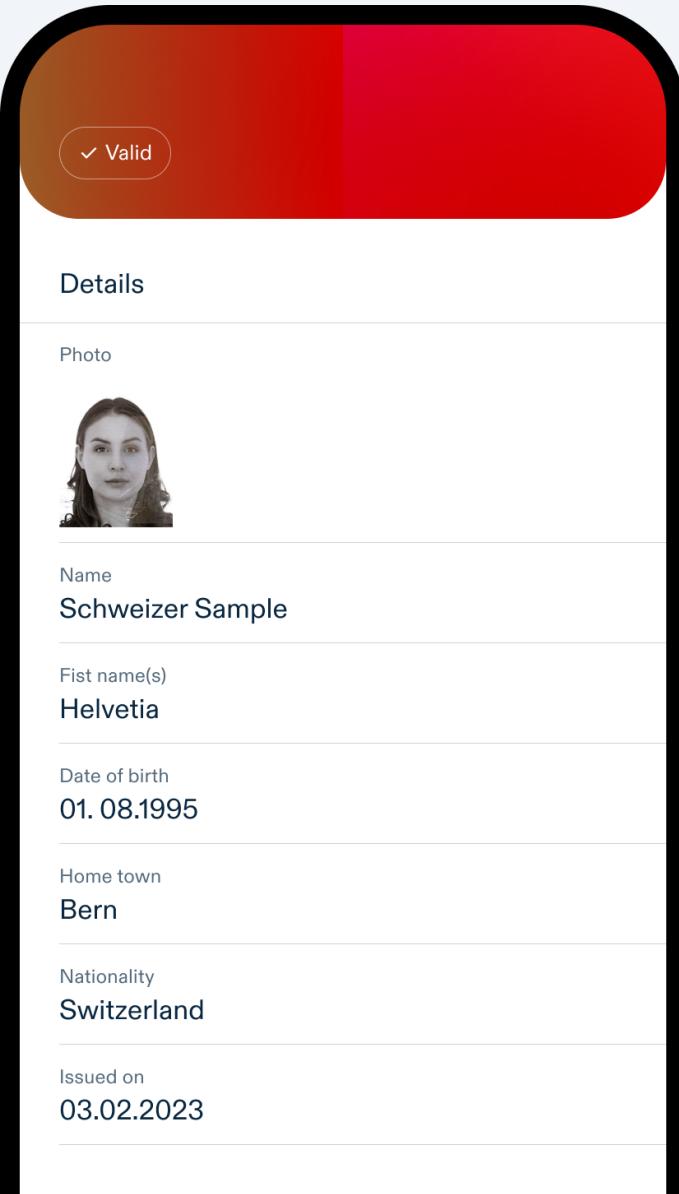


This is how my privacy is protected

- I always know who I am dealing with (basic and trust register)
- I decide whether to show my data
- Less data is more (data minimisation)
- No profiling (unlinkability of the e-ID)



Content-related linkability of the e-ID

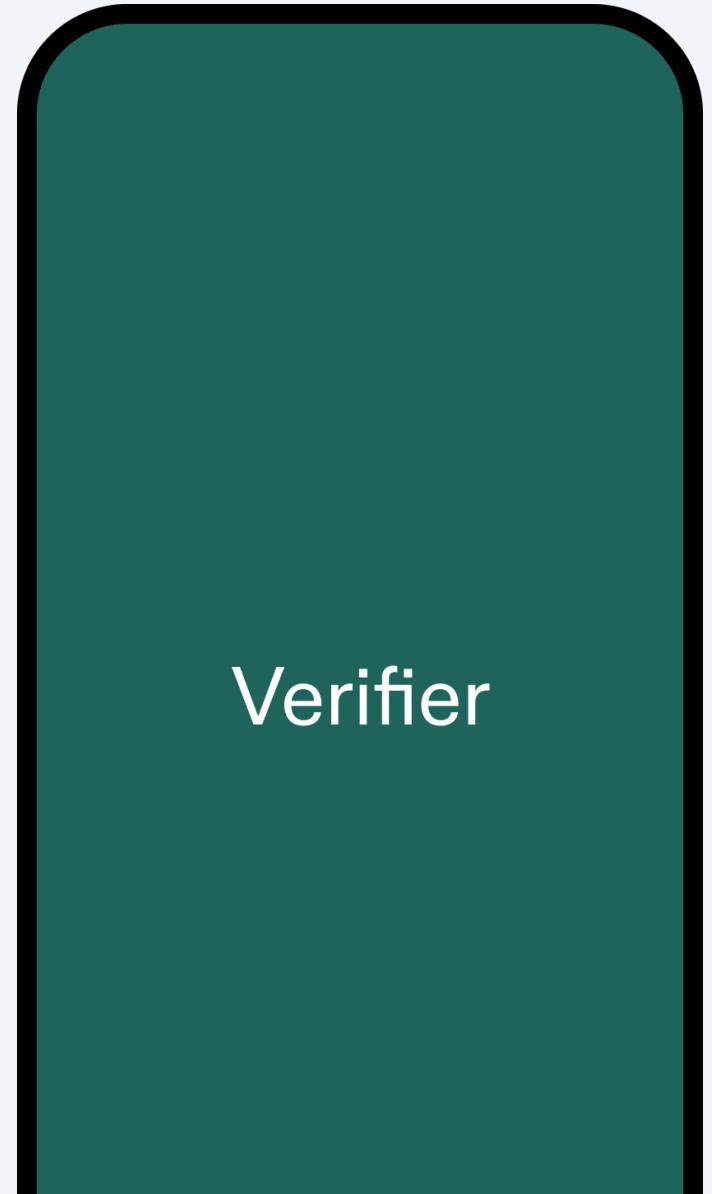


Transmitted content

- Schweizer Sample
- Helvetia
- 01.08.1995

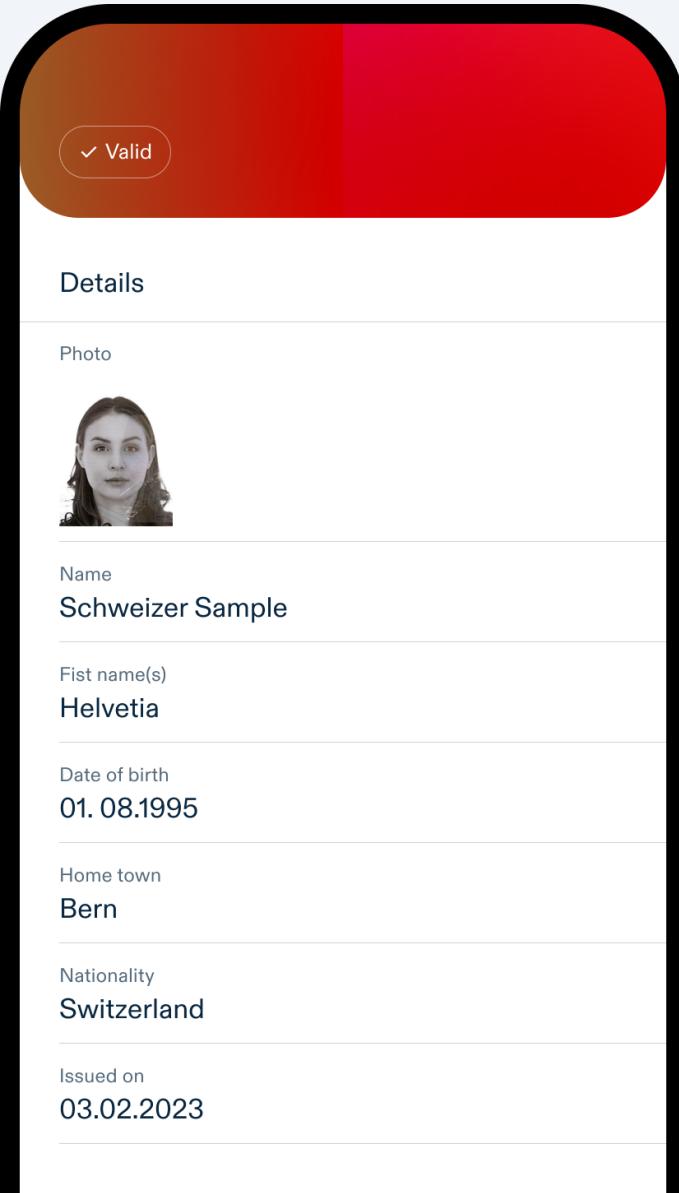
Technical data (relevant for unlinkability)

- Issuer signature of the VC
- Disclosures (Salted/Hashed Claims)
- Public key of the holder
- Revocation information



Verifier

Technical data-related linkability of the e-ID



Transmitted content

- older than 18

Technical data

(relevant for unlinkability)

- Issuer signature of the VC
- Disclosures (Salted/Hashed Claims)
- Public key of the holder
- Revocation information

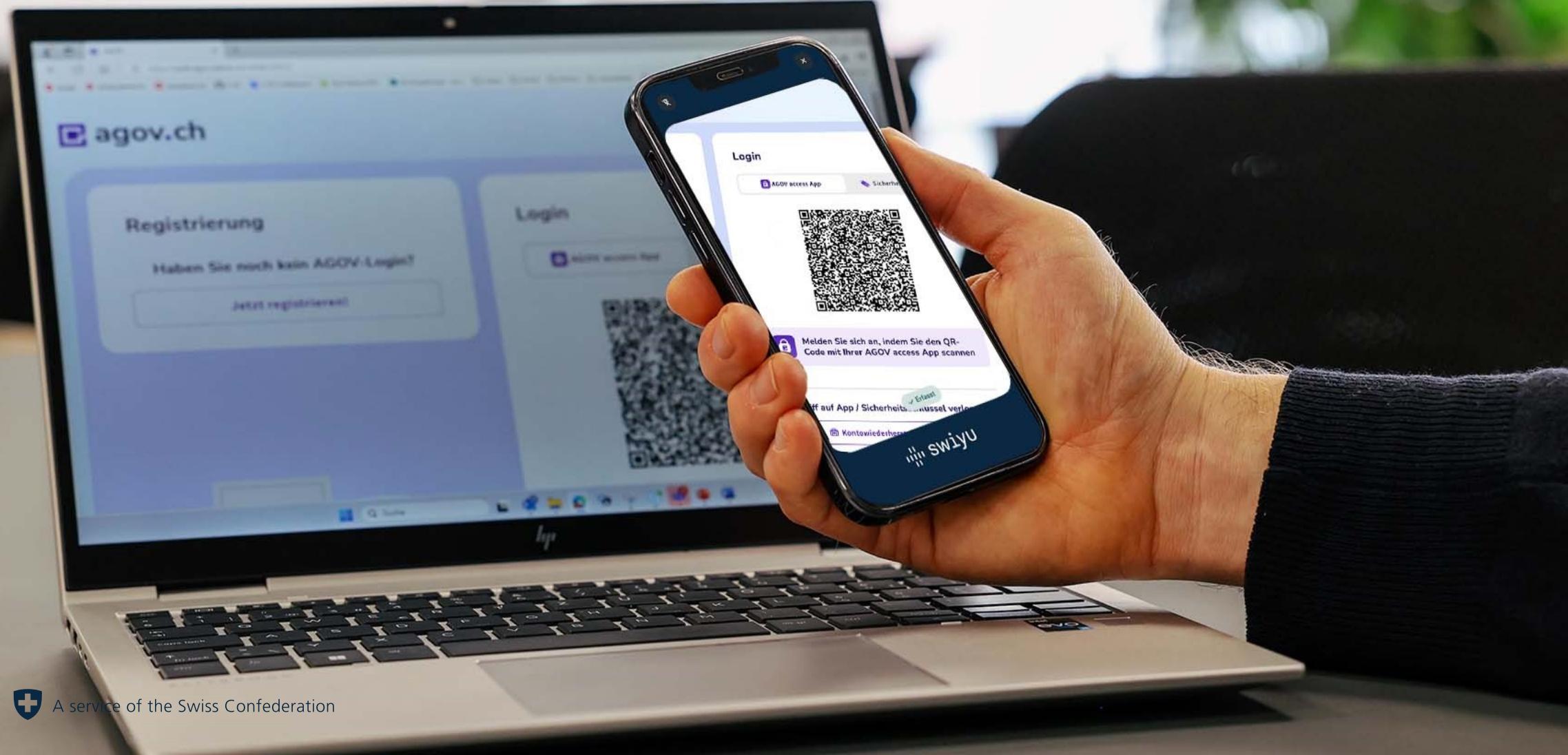
Even if SD-JWTs are not cryptographically linkable, **edge data** could be misused for **linking**.

Wallet users can also actively avoid fingerprinting and IP correlation.

Verifier

Where can I use my e-ID?

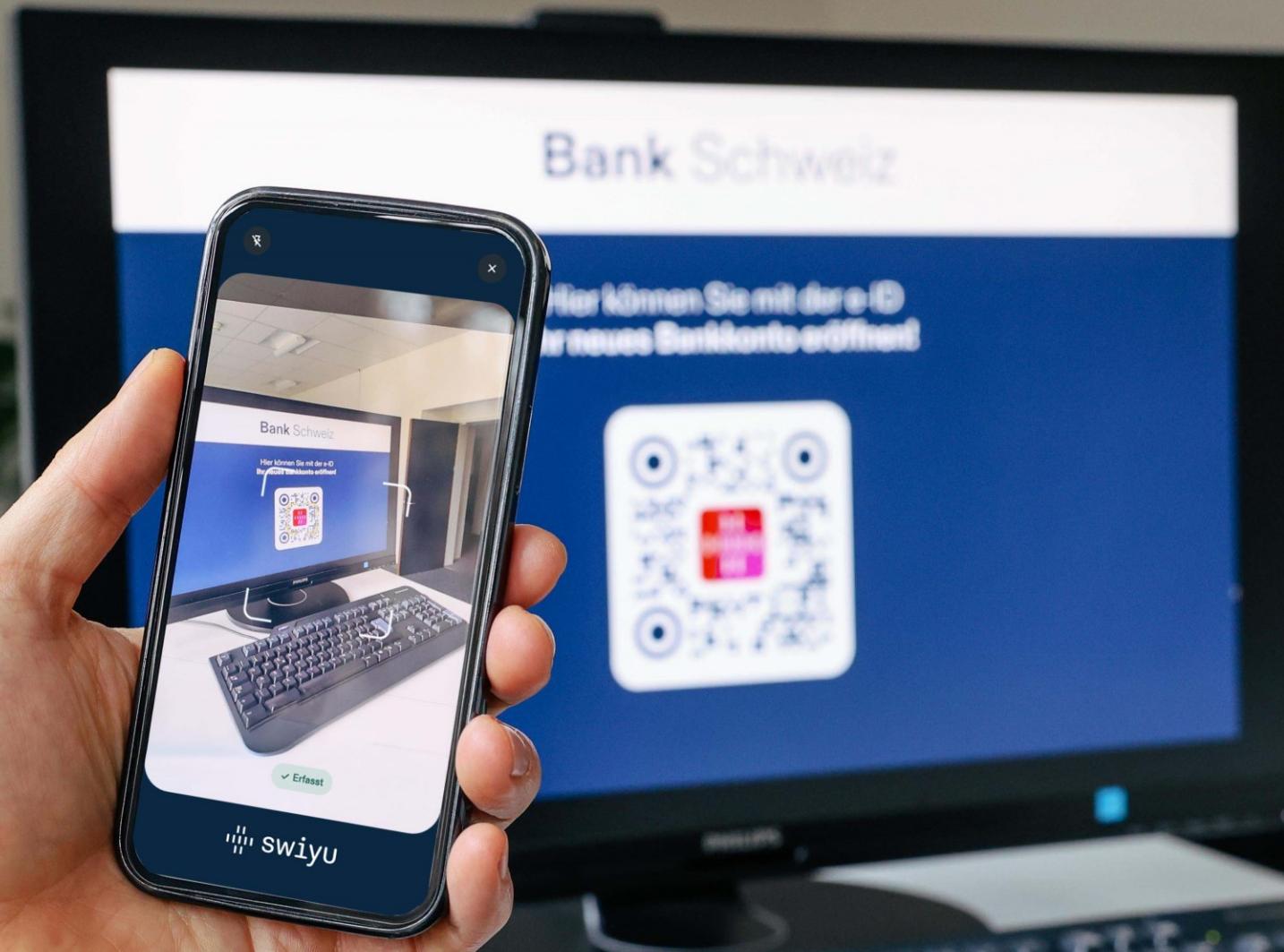
With the e-ID, it is even easier to use the AGOV government login



With the e-ID directly to the electronic signature



Open a bank account with the e-ID



Apply for a mobile phone contract with the e-ID

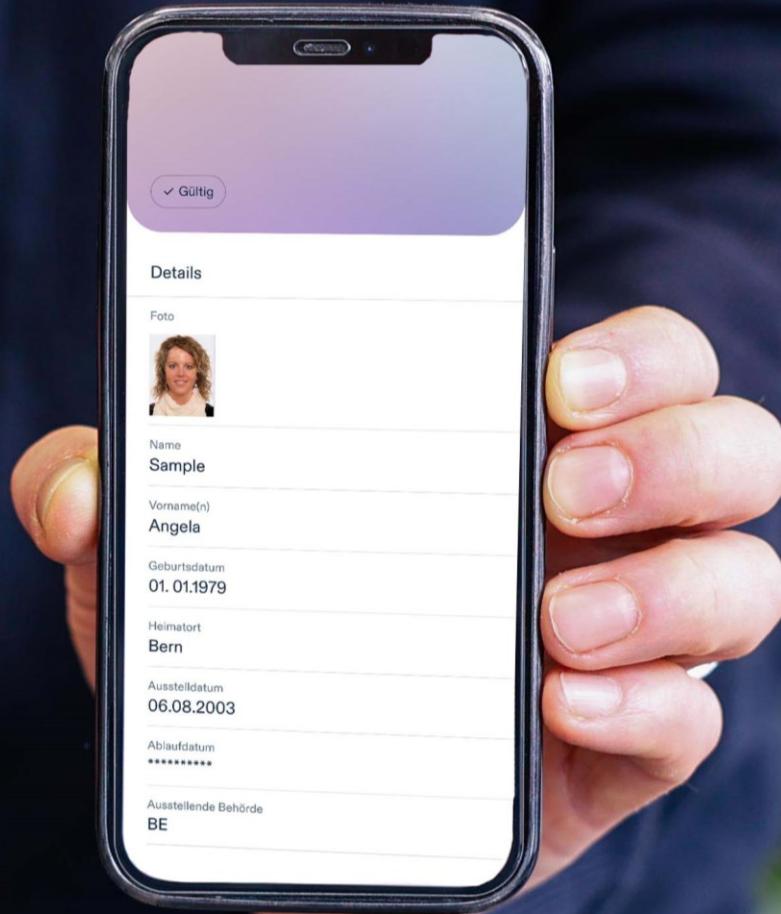


Prove my age with the e-ID



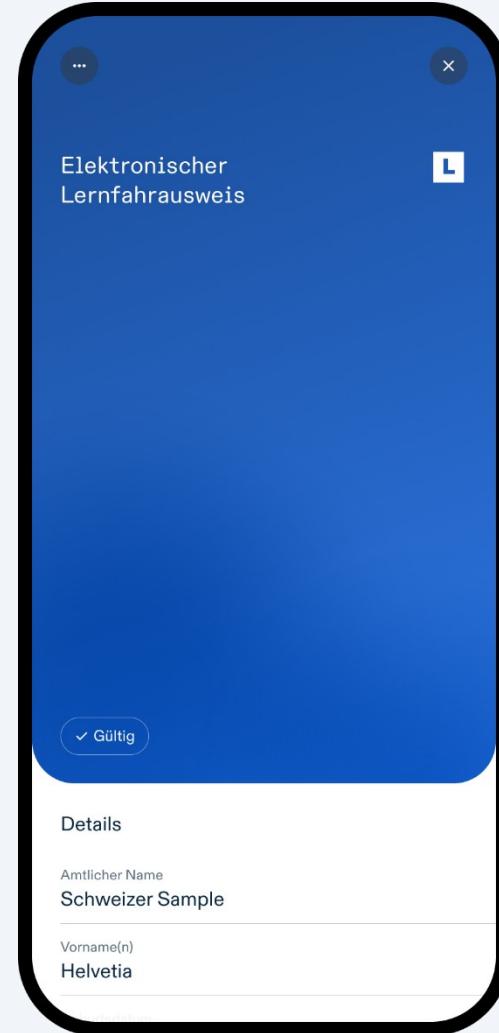
What else can
swiyu do?

The mobile driver's licence in swiyu



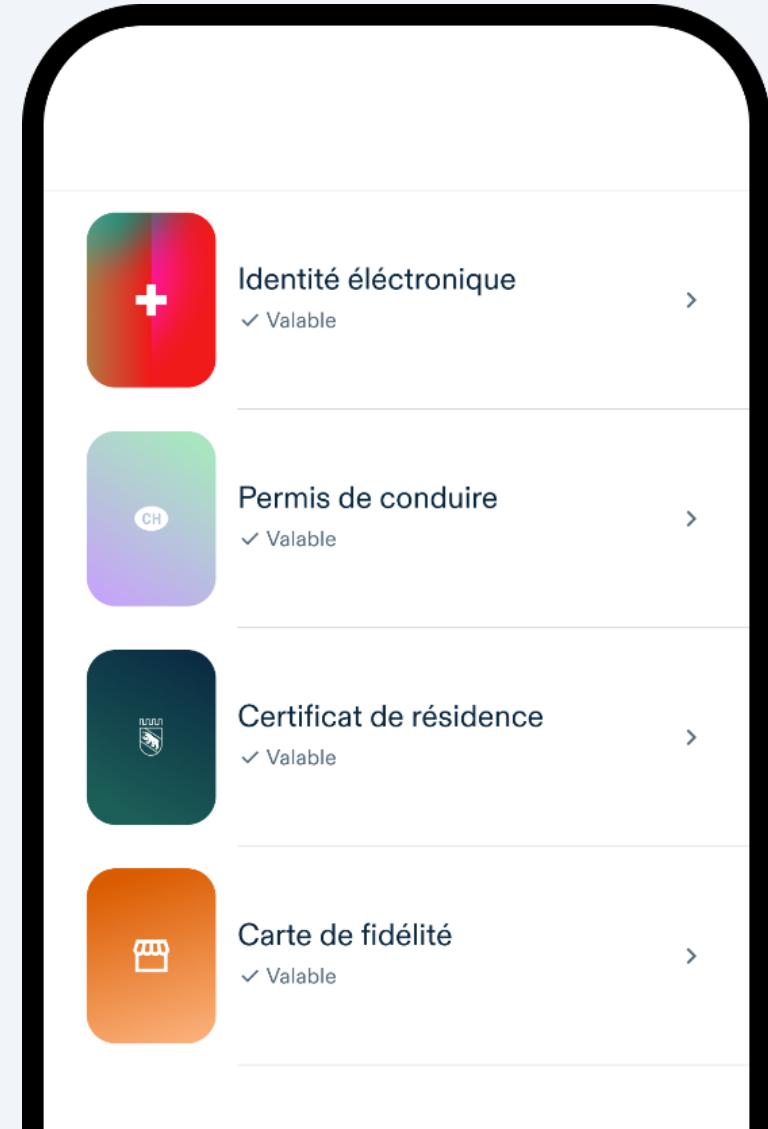
ePDL is already a reality

- The pilot phase of the electronic learning licence has been running in the canton of Appenzell-Ausserrhoden since spring 2024.
- Approximately 1200 people already use the electronic learning license.
- The pilot phase will be rolled out throughout Switzerland from early summer 2025.



Other verifiable credentials

- Mobile driver's license
- Pension certificate
- Vehicle registration
- Proof of residence
- Diplomas and certificates
- Membership cards
- Customer cards
- Concert tickets
- etc.



What happens next?

Our next milestones

2025

2026

law

Consultation procedure of ordinance

Entry into force of e-ID act



End of collection period



Referendum vote

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Public Beta with Beta-ID



Roll-out of ePDL to all cantons

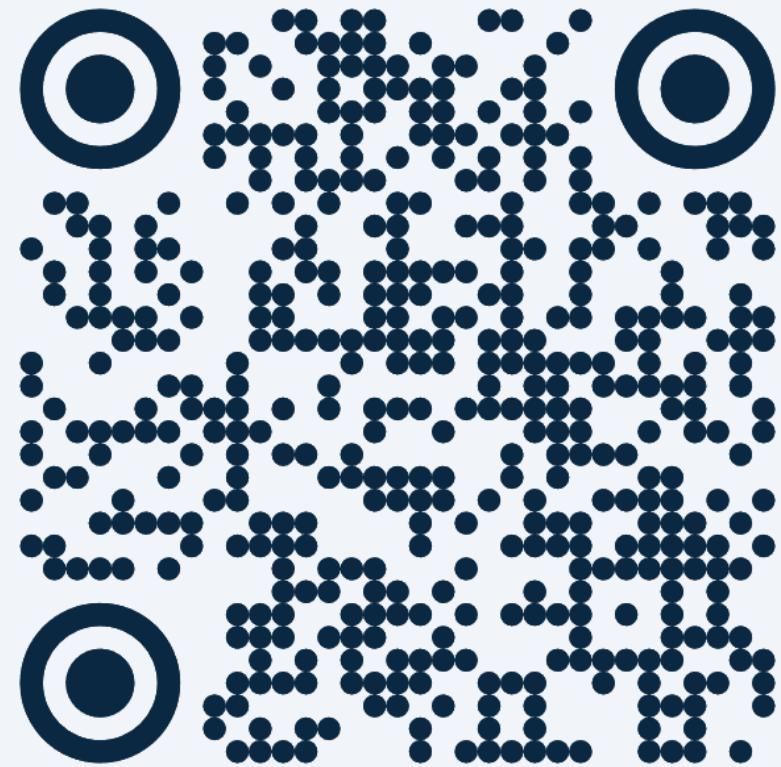
e-ID and **swiyu** in production

Interoperability of the e-ID

- Initially, the e-ID will not yet be recognised abroad. However, recognition is a medium-term goal
- Switzerland is co-chair of the Governmental Consultative Committee of the Open Wallet Forum of the International Telecommunication Union
- An international conference on interoperability will take place in Geneva in July 2025



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Your questions?

Thank you for your attention!

Rolf Rauschenbach, Ph.D.

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General information

<https://www.eid.admin.ch>

Legislation

www.bj.admin.ch

<https://www.parlament.ch>

swiyu on GitHub

<https://github.com/swiyu-admin-ch>

Subscription to the newsletter

<https://www.eid.admin.ch>