e-ID

Electronic identity and trust infrastructure

ISOC-CH, 27.02.2025

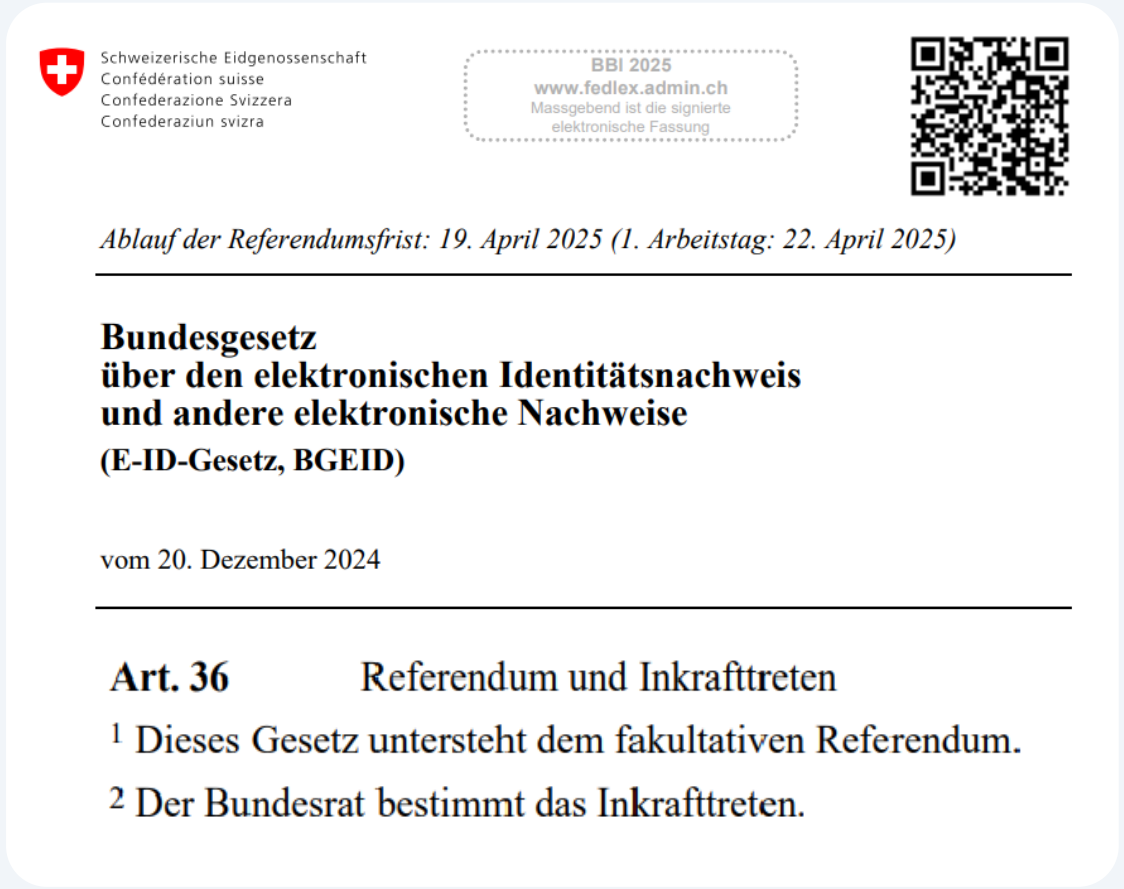
swiyu | A service of the Swiss Confederation

Die deutsche Version ist auf GitHub verfügbar.

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?
- What else can **swiyu** do?
- What happens next?

During the collection period, the federal government informs only



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

BBl 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.

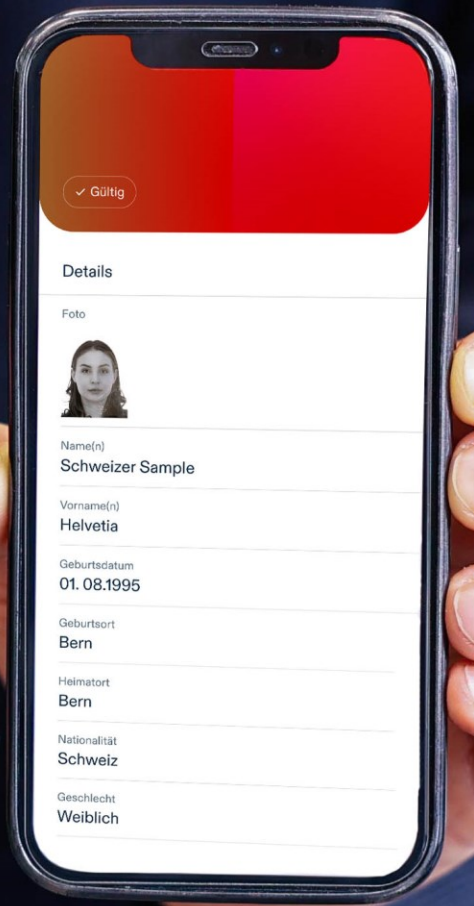
2 Der Bundesrat bestimmt das Inkrafttreten.

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



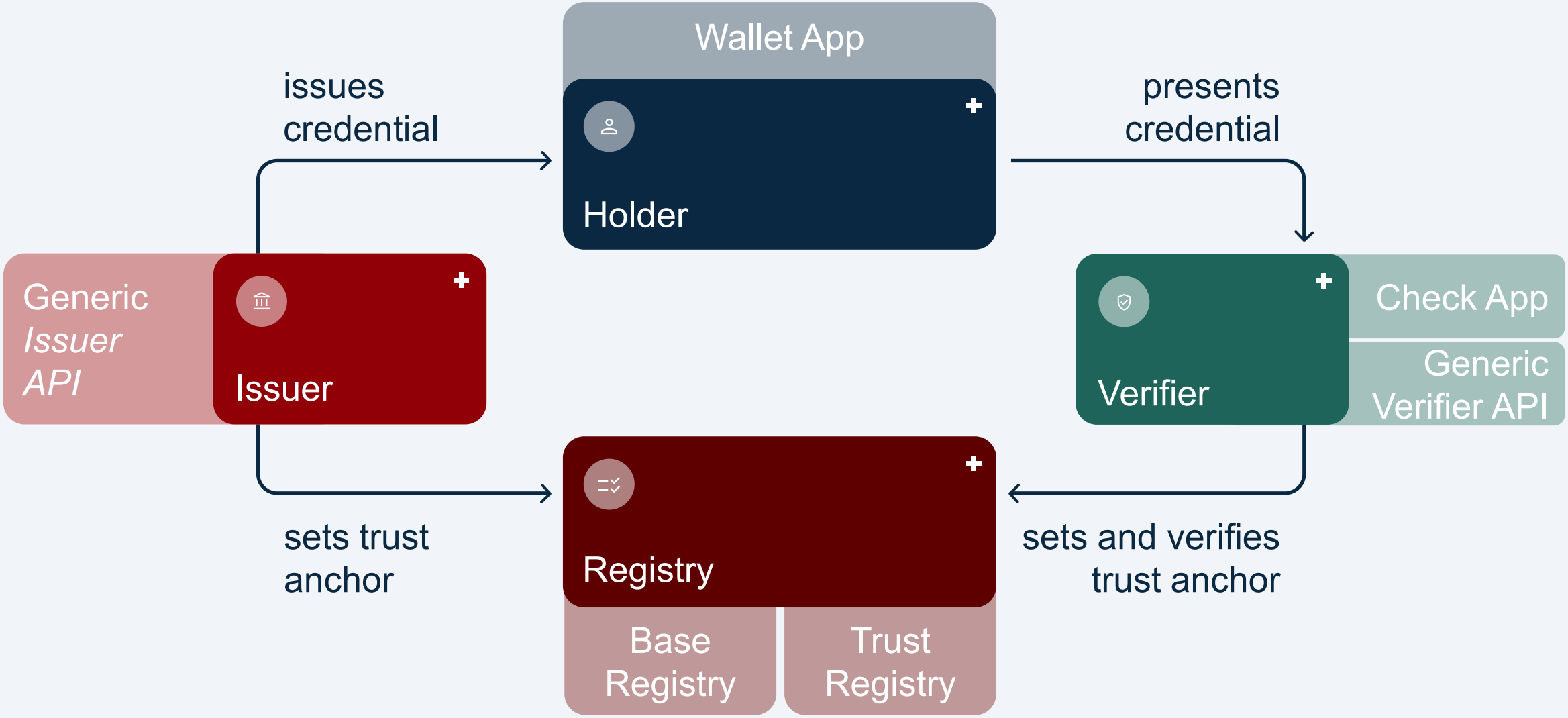
The e-ID is voluntary

No more interruption in data flows

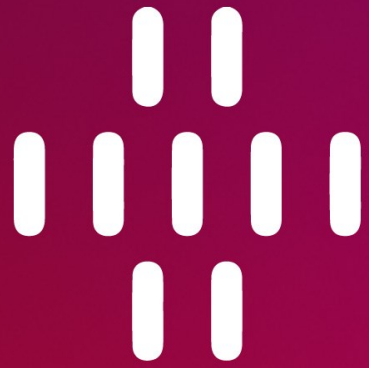
With the e-ID, I control
who I share my data with

How does the e-ID work?

swiyu, the state's trust infrastructure



Team of 80+ people, budget CHF 180 million



swiyu

What does **swiyu** mean?

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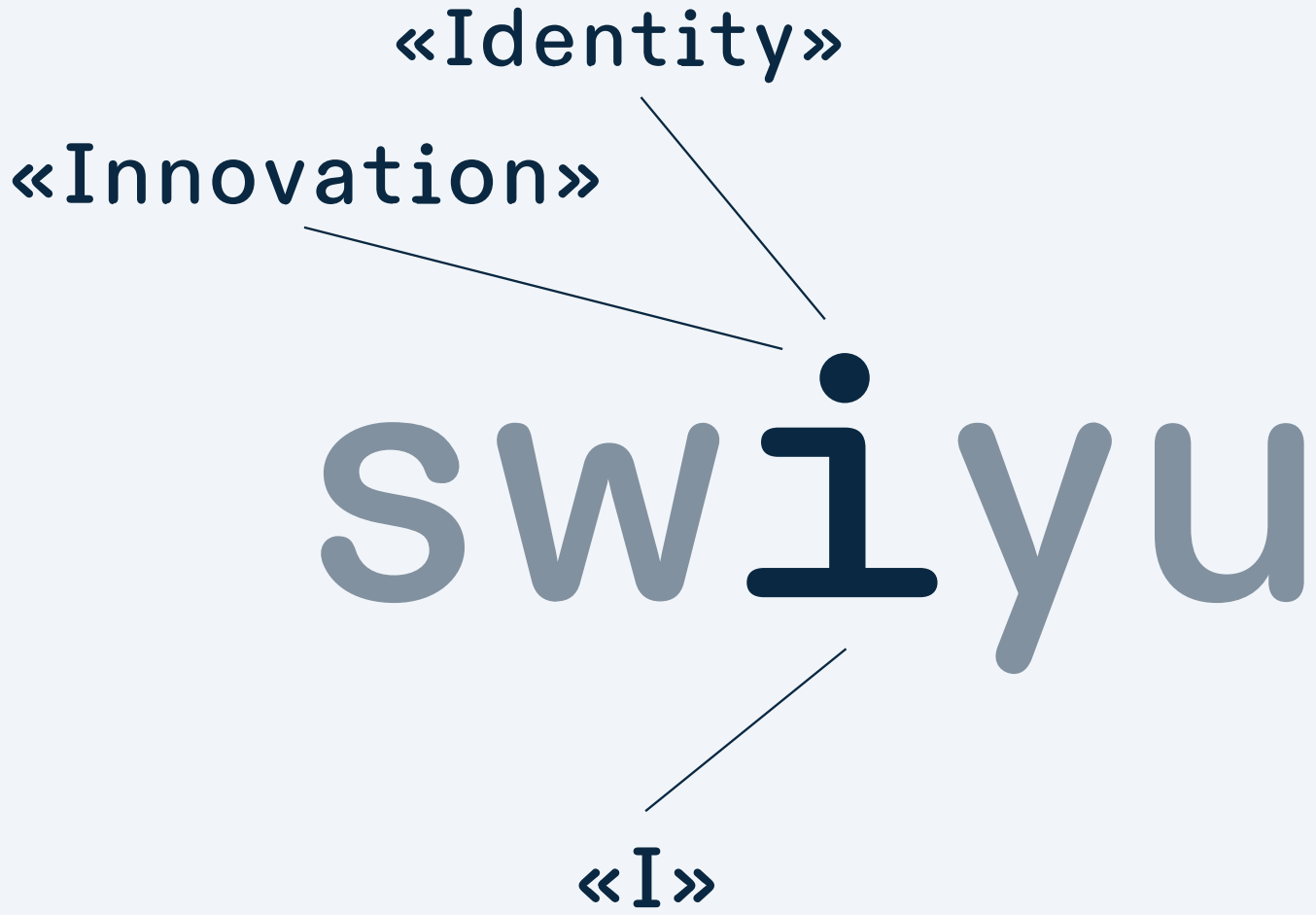
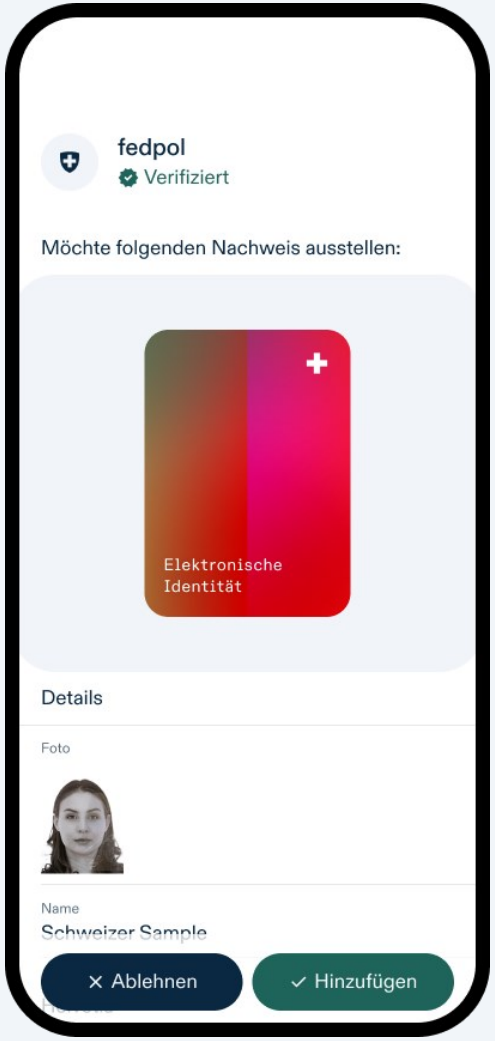


What does **swiyu** mean?

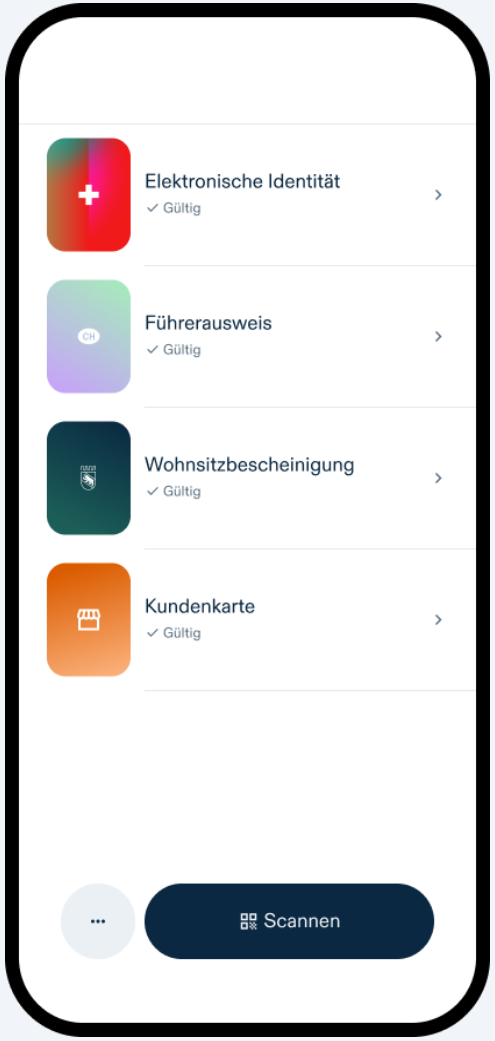
I can use **swiyu** to request…

… the e-ID and other verifiable credentials



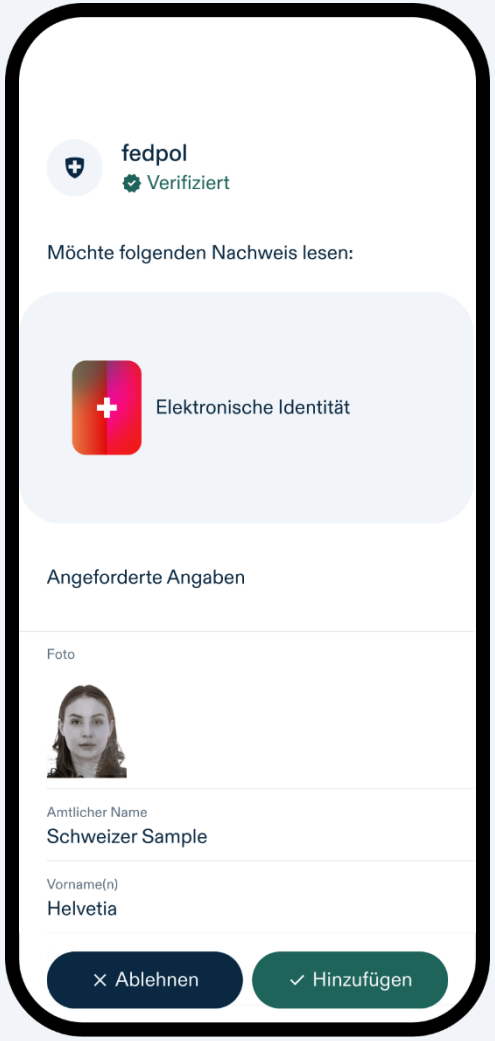
I can use **swiyu** to store…

… for the e-ID and other verifiable credentials



I can use **swiyu** to present…

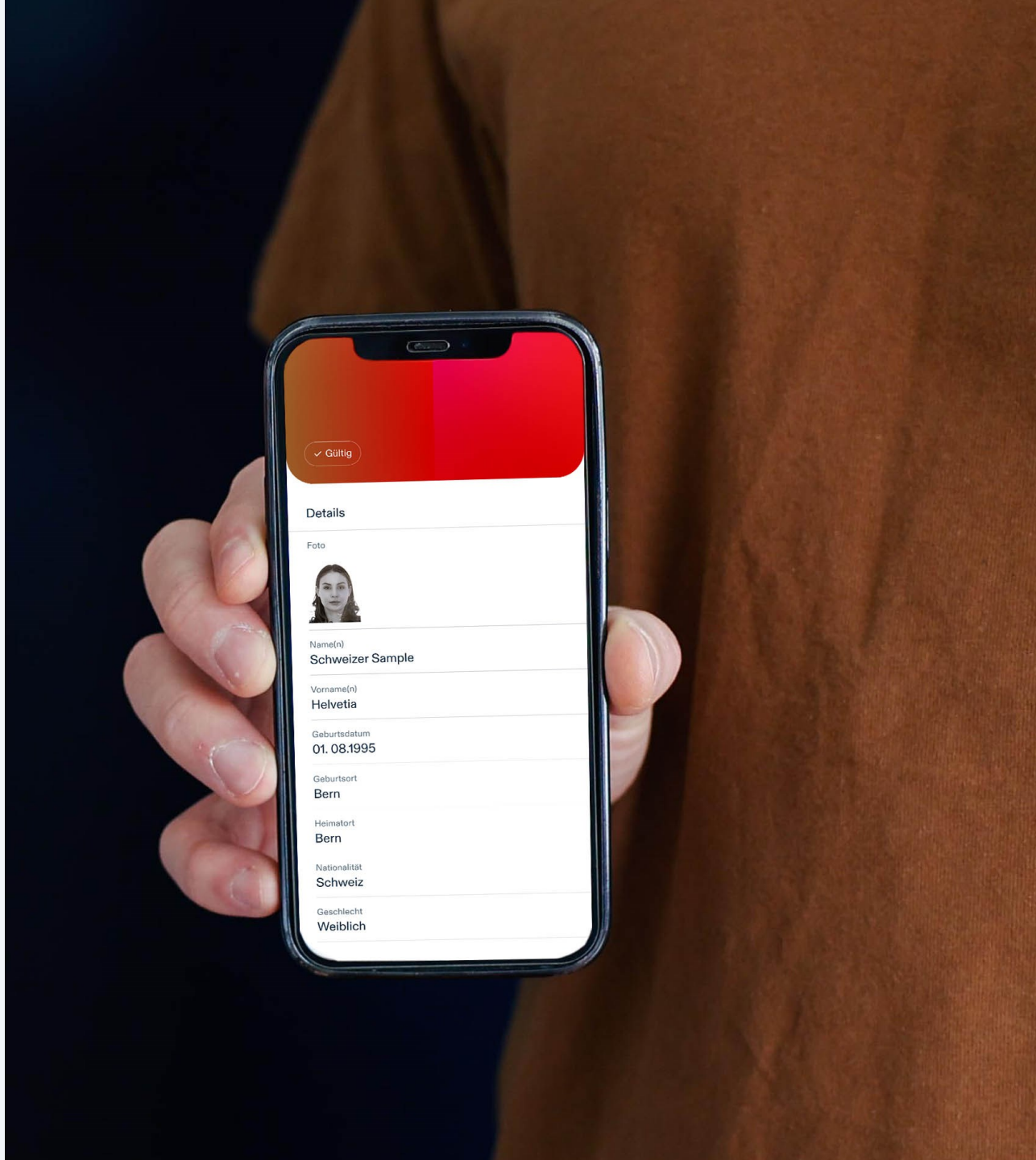
… for the e-ID and other verifiable credentials



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

This is how my e-ID is issued

- fedpol verifies the applicant's identity using existing registry data
- The e-ID will only be issued if it can be bound to the owner – or rather, to the owner's device (use of a cryptoprocessor)
- There are no different trust levels of the e-ID. Online and on-site issuance are equivalent



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)
- Continuous further development

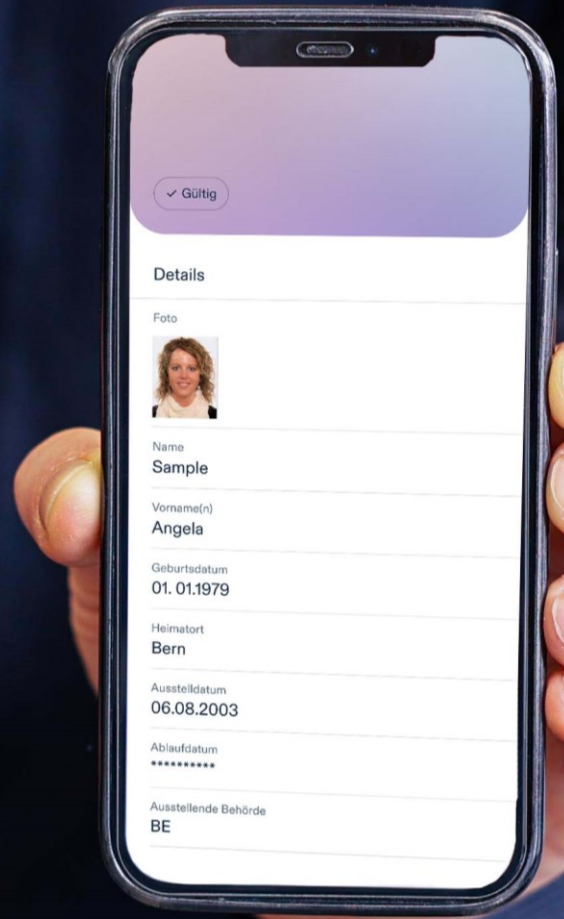
This is how my privacy is protected

- 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)
- Securing of issuing data in federal government data centres in Switzerland

What else can **swiyu** do?

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

The mobile driver’s licence in **swiyu**



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With the e-ID directly to the electronic signature

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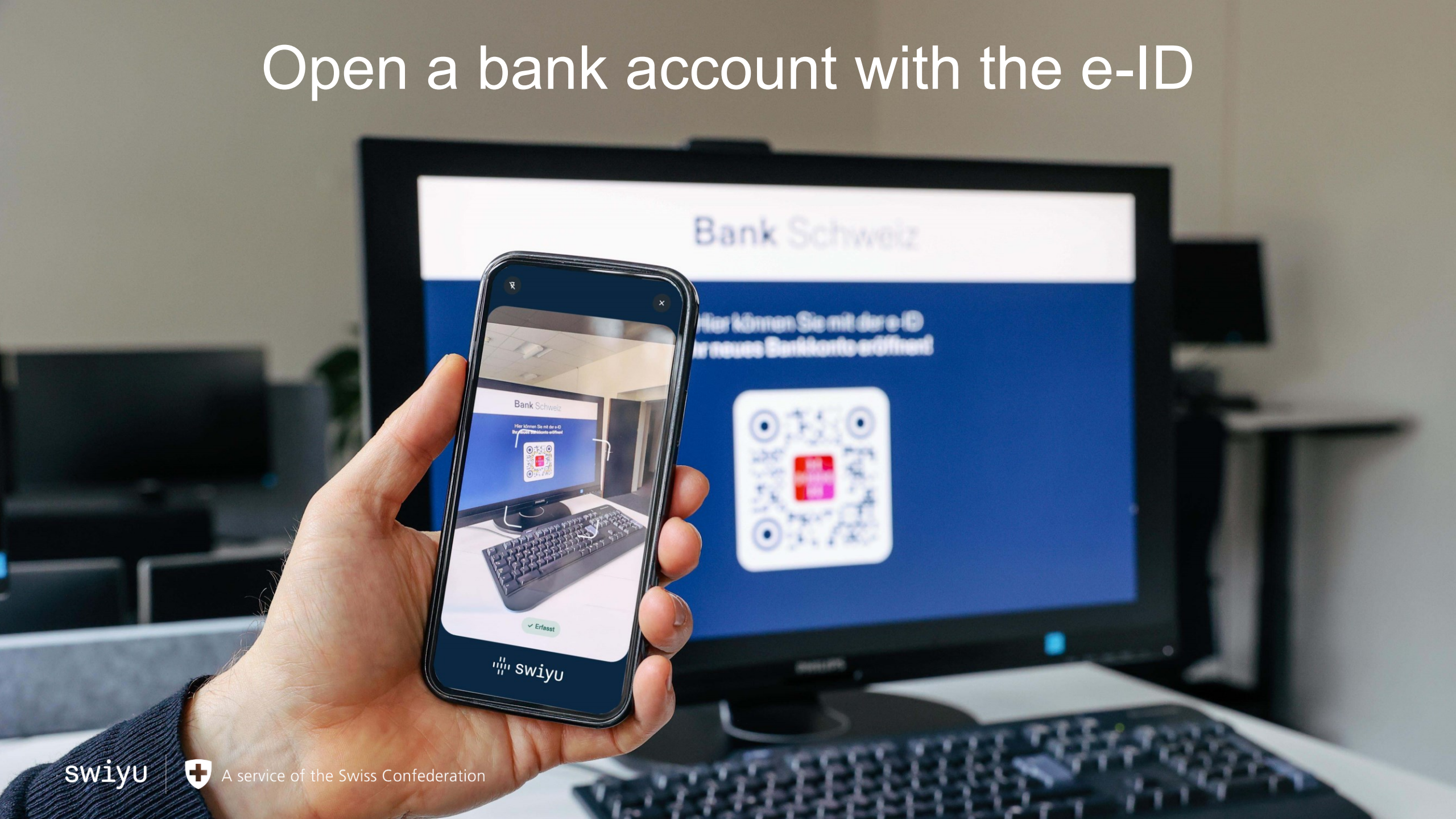
Open a bank account with the e-ID



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Apply for a mobile phone contract with the e-ID

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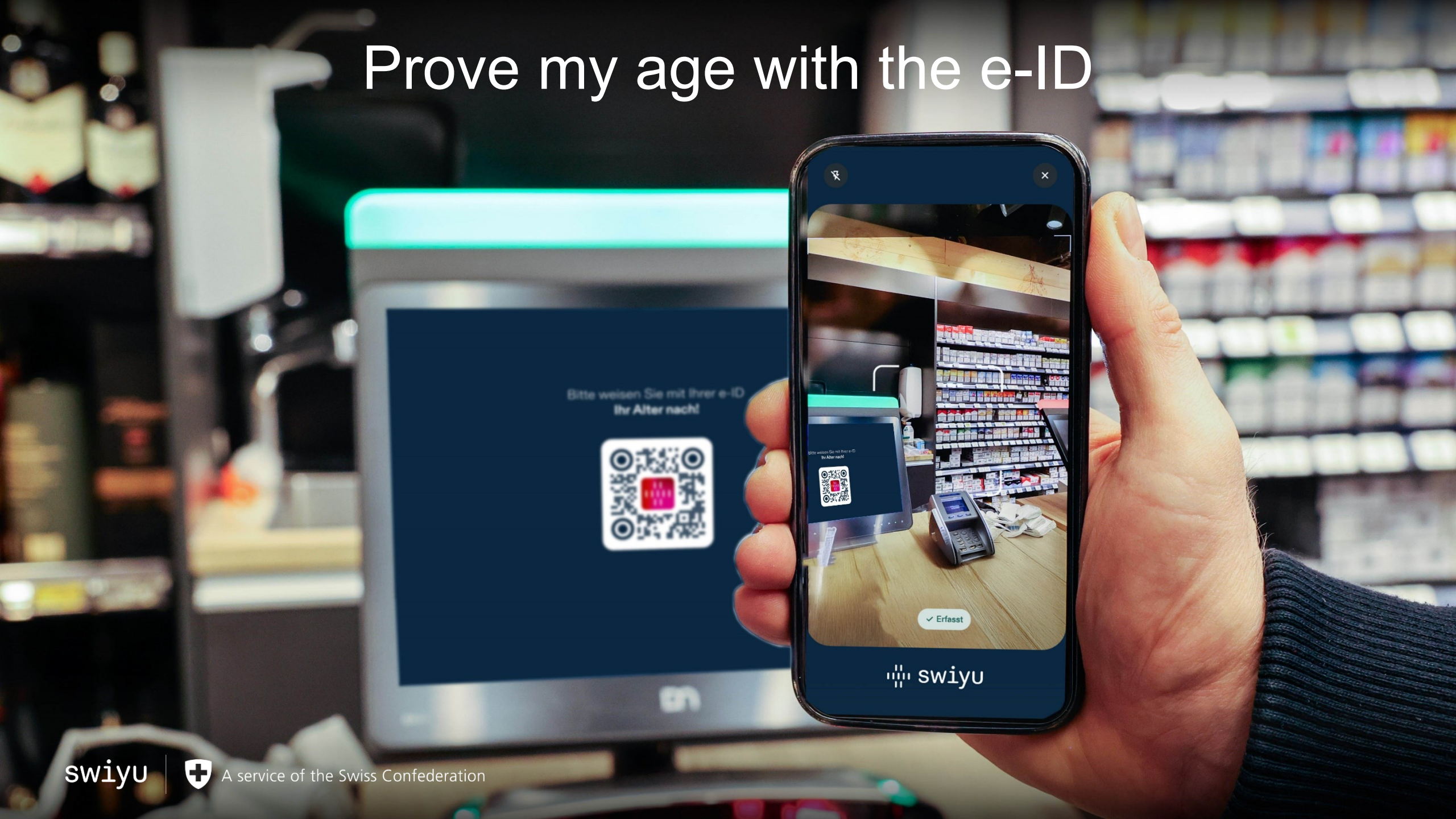
Prove my age with the e-ID



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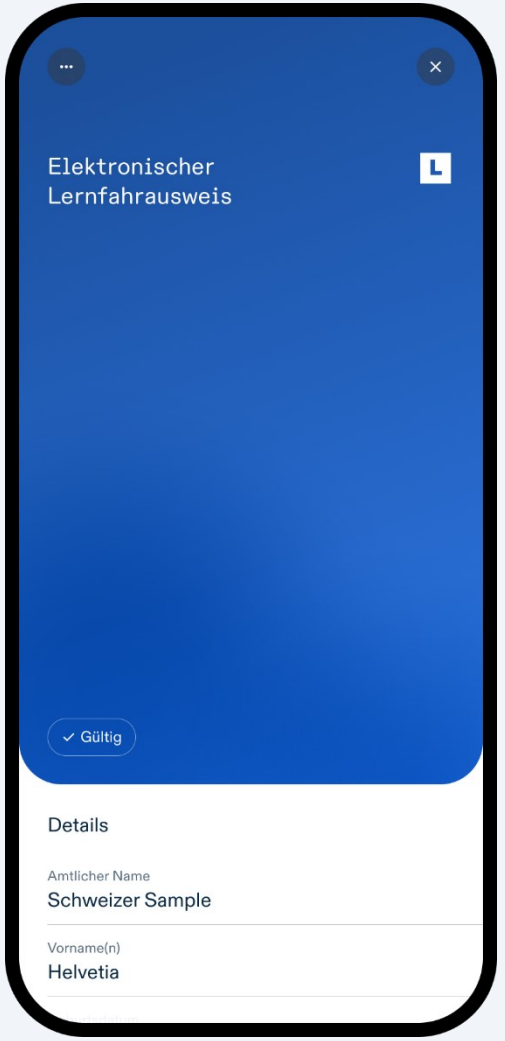
ePDL is already a reality

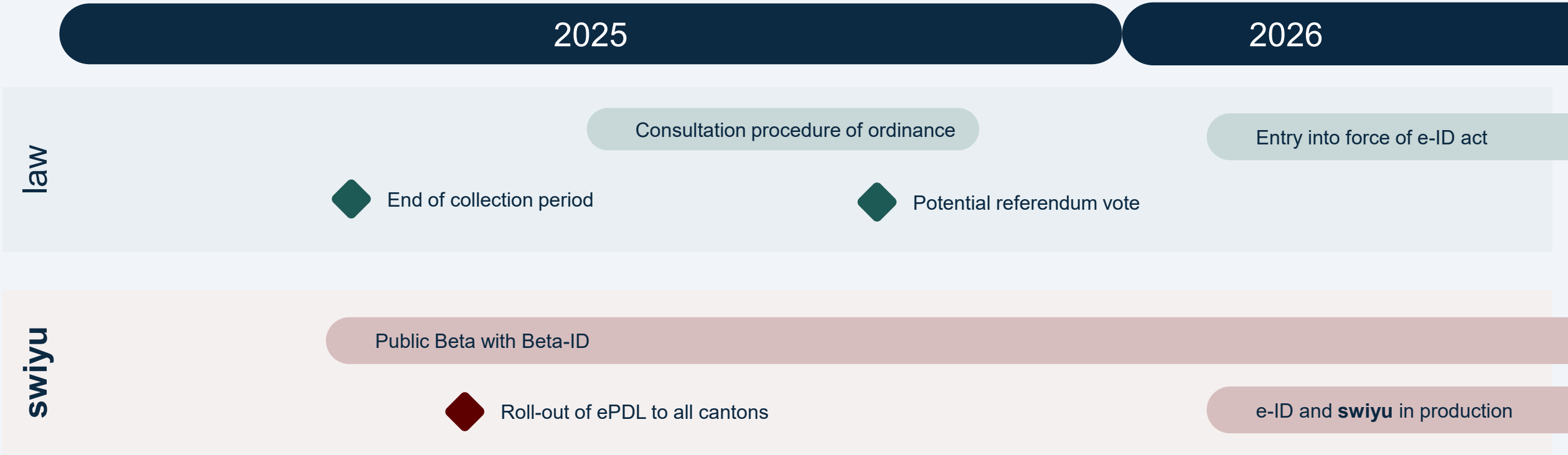
- The pilot phase of the electronic learning licence has been running in the canton of Appenzell-Ausserrhoden since spring 2024.
- Approximately 1200 people already use the electronic learning license.
- The pilot phase will be rolled out throughout Switzerland from early summer 2025.



How would you like to use **swiyu**?

What happens next?

Our next milestones



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

Digitally transform Switzerland with **swiyu!**

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Your questions?

Vielen Dank für Ihre Aufmerksamkeit!

Rolf Rauschenbach, Ph.D.

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General information
https://www.eid.admin.ch

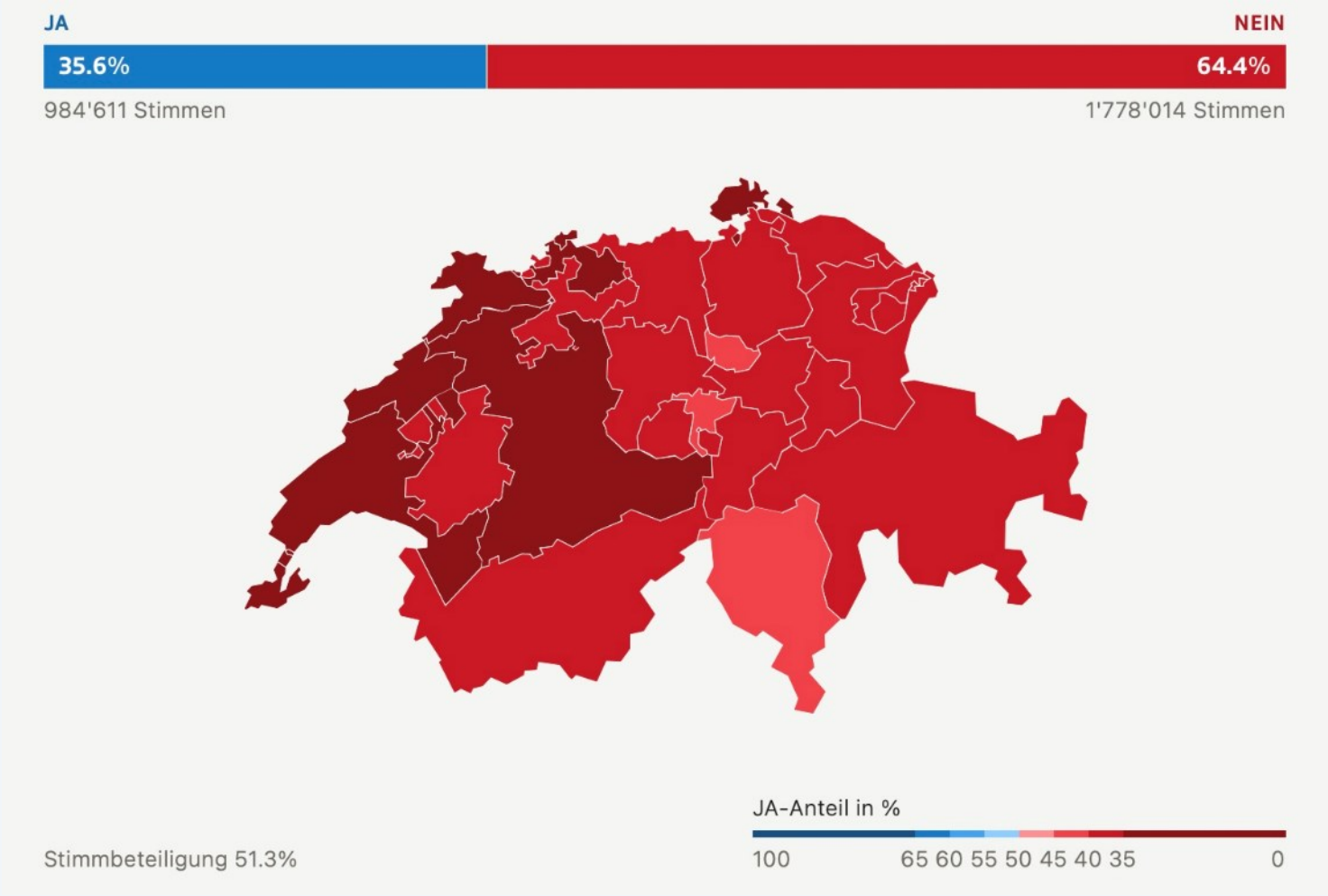
Legislation
www.bj.admin.ch
https://www.parlament.ch

Discussions-platform
www.github.com

Subscription to the newsletter
https://www.eid.admin.ch

Backup

Referendum on the first e-ID law (7 March 2021)



Six motions for a trustworthy, state-issued e-ID (10 March 2021)

GRÜNE LES VERT·E·S
GRÜNE.CH/VERTS.CH

SCHWEIZER QUALITÄT
SVP
Die Partei des Mittelstandes

SP

Grünliberale.

Die Mitte

FDP
Die Liberalen

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.