

pro-civis

AN ORELL FÜSSLI COMPANY

Self-Sovereign Identities

The future of your digital identity



The internet is broken

POLITICS • HEALTH CARE

Obamacare Website Was Hacked in July

Citi Says Many More Customers Had Data Stolen by Hackers

800'000 Betroffene im Herbst 2017

**Swisscom-Datenklau:
Tunesische Firma soll
verantwortlich sein**

Do 08.04.2021 - 12:40 Uhr
von Maximilian Schenner und kfi

**Florida shuts down three
fraudulent phishing COVID-19
websites**

The internet is broken

Feb 16, 2012, 11:02am EST

**How Target Figured Out A
Teen Girl Was Pregnant
Before Her Father Did**

EDITORS' PICK | Aug 19, 2020, 09:00am EDT | 92,629 views

**235 Million Instagram,
TikTok And YouTube User
Profiles Exposed In Massive
Data Leak**

**Revealed: 50 million Facebook profiles
harvested for Cambridge Analytica in
major data breach**

DIGITALER AUSWEIS

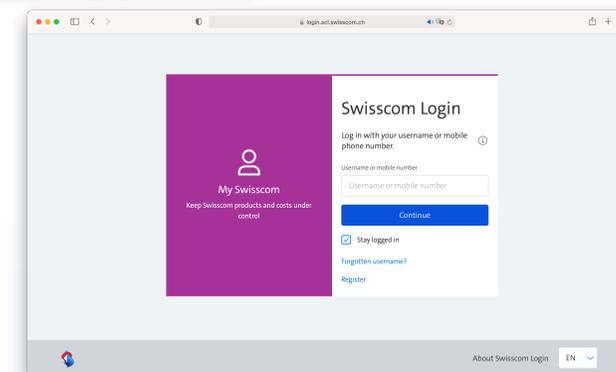
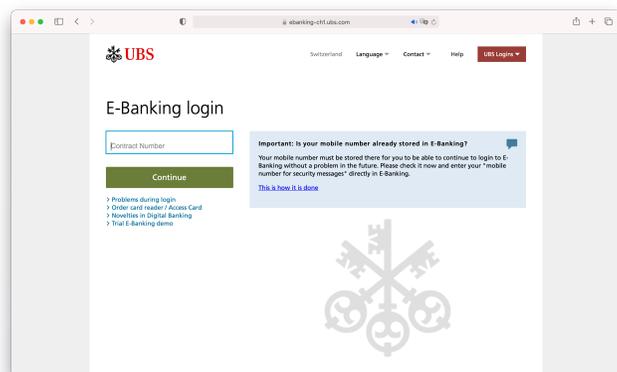
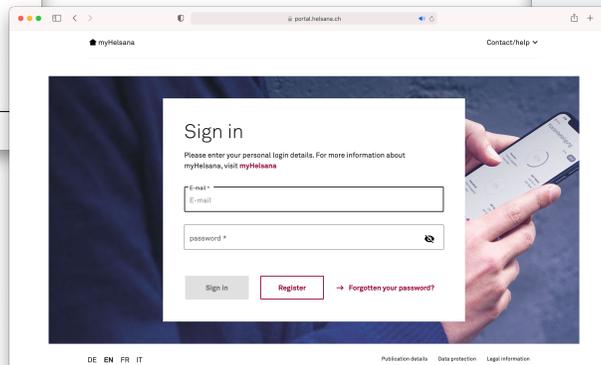
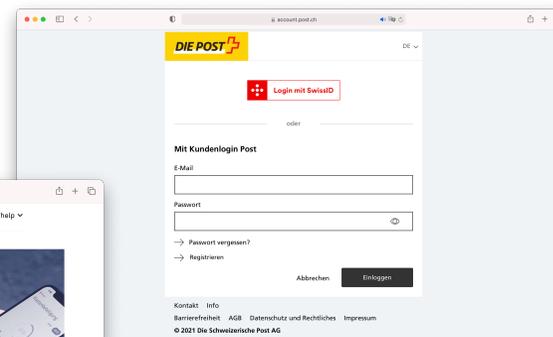
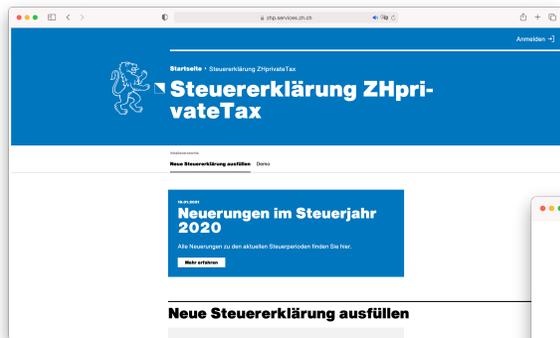
**Impfplattform geht Pleite: 400'000 Kunden
verlieren ihre Daten**

Featured Article

**Indian state government leaks
thousands of Aadhaar numbers**

Another security lapse involving India's national identity system

...and I am suppose to live my life on it.



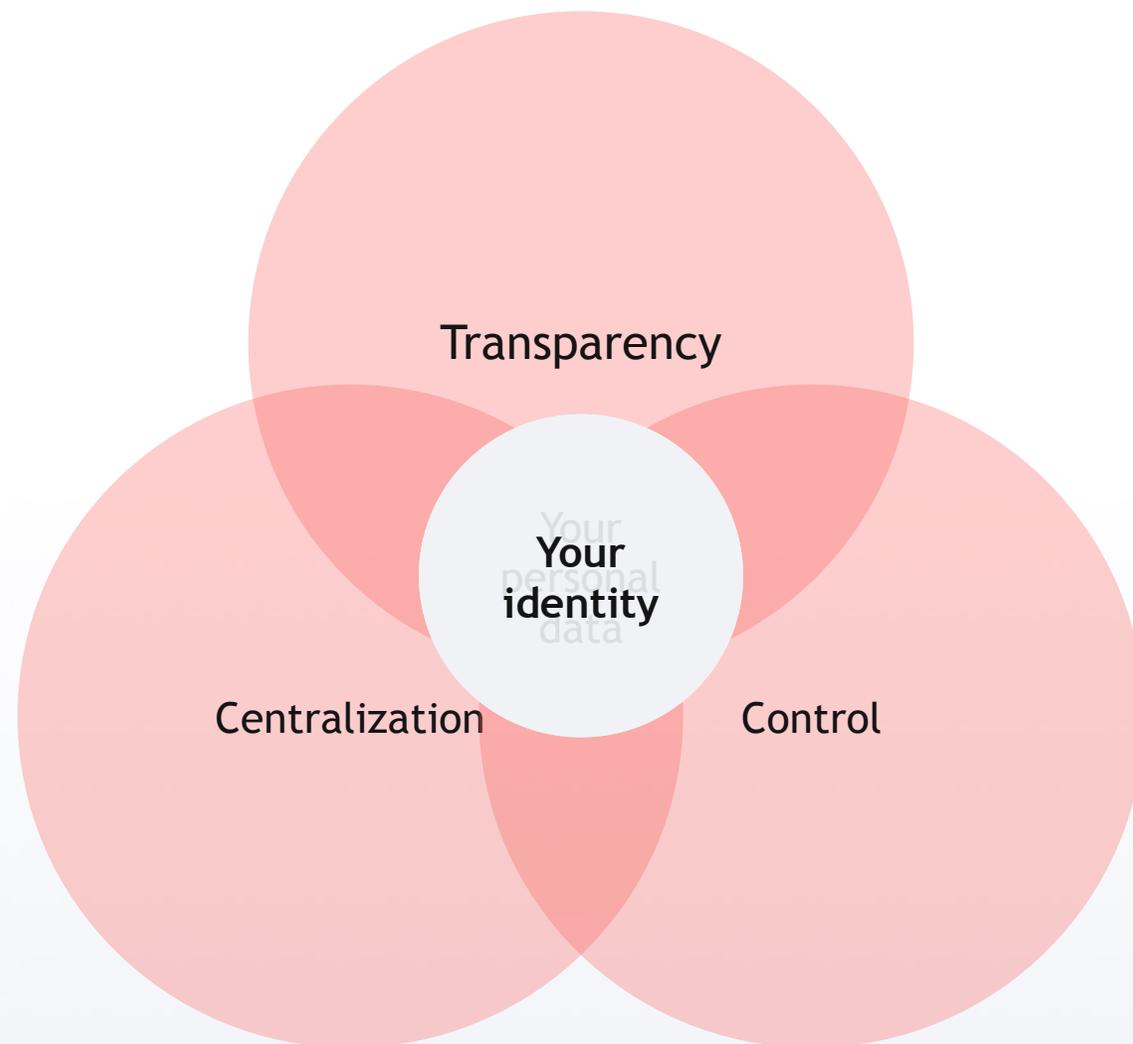
...and I am suppose to live my life on it.

 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Eidgenössisches Justiz- und Polizeidepartement EJPD
Bundesamt für Justiz BJ

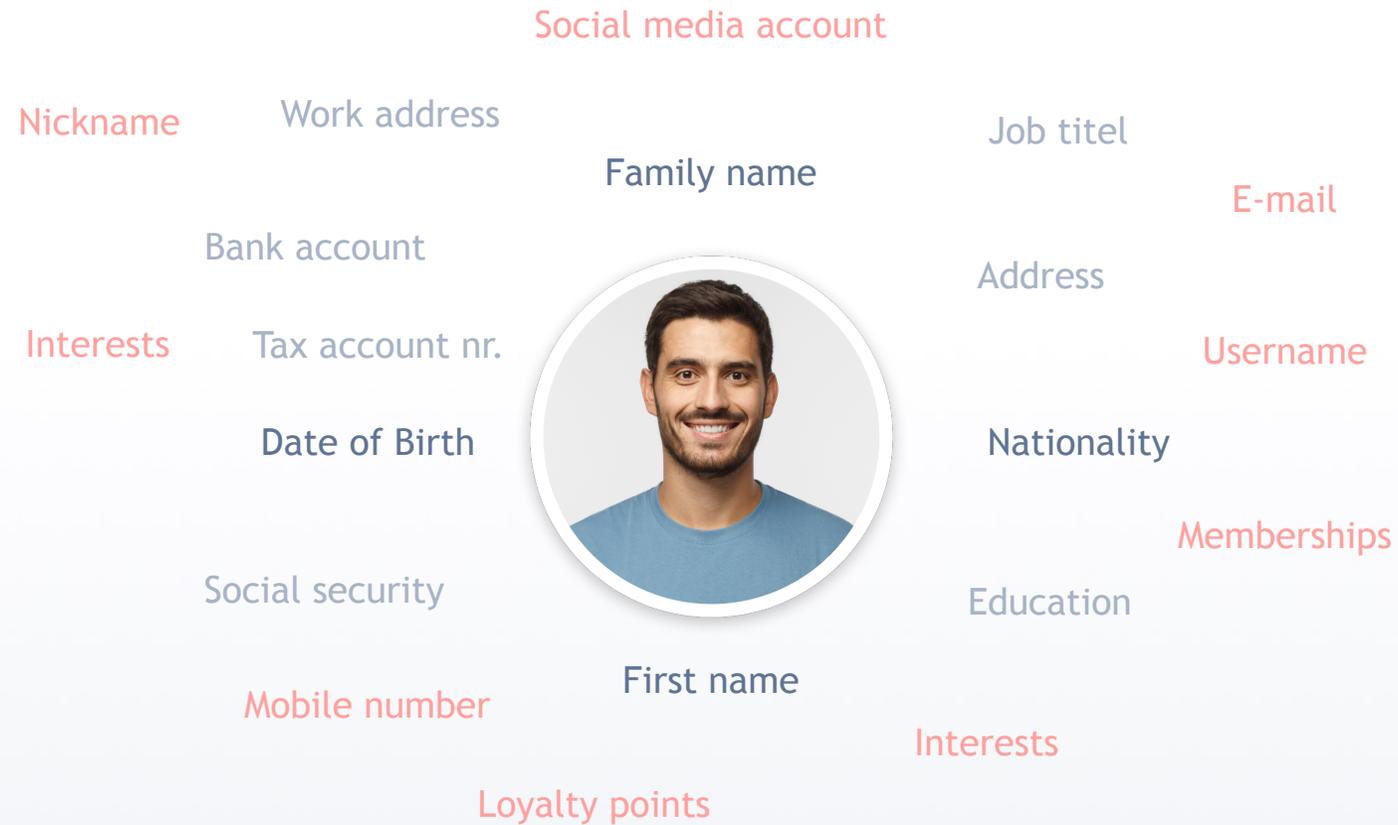
Diskussionspapier zum «Zielbild E-ID»

Diskussionsgrundlage für eine gemeinsame Vision einer staatlichen elektronischen Identität im Hinblick auf den vom Bundesrat zu fällenden Richtungsentscheid



Self-Sovereign Identity

Self-Sovereign Identity



A collection of attributes



Holder



Issuer

TRUST TRIANGLE



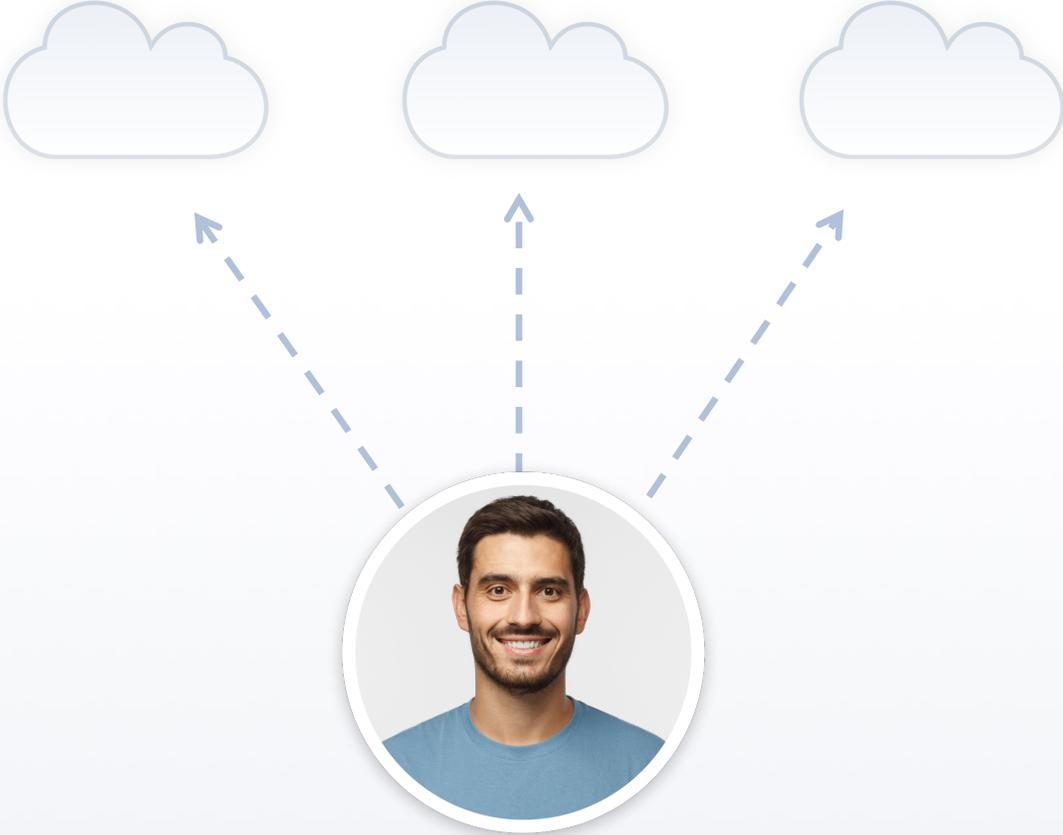
Verifier

Digital Self-Sovereign Identity



"On the Internet, nobody knows you're a dog."

Online services



User

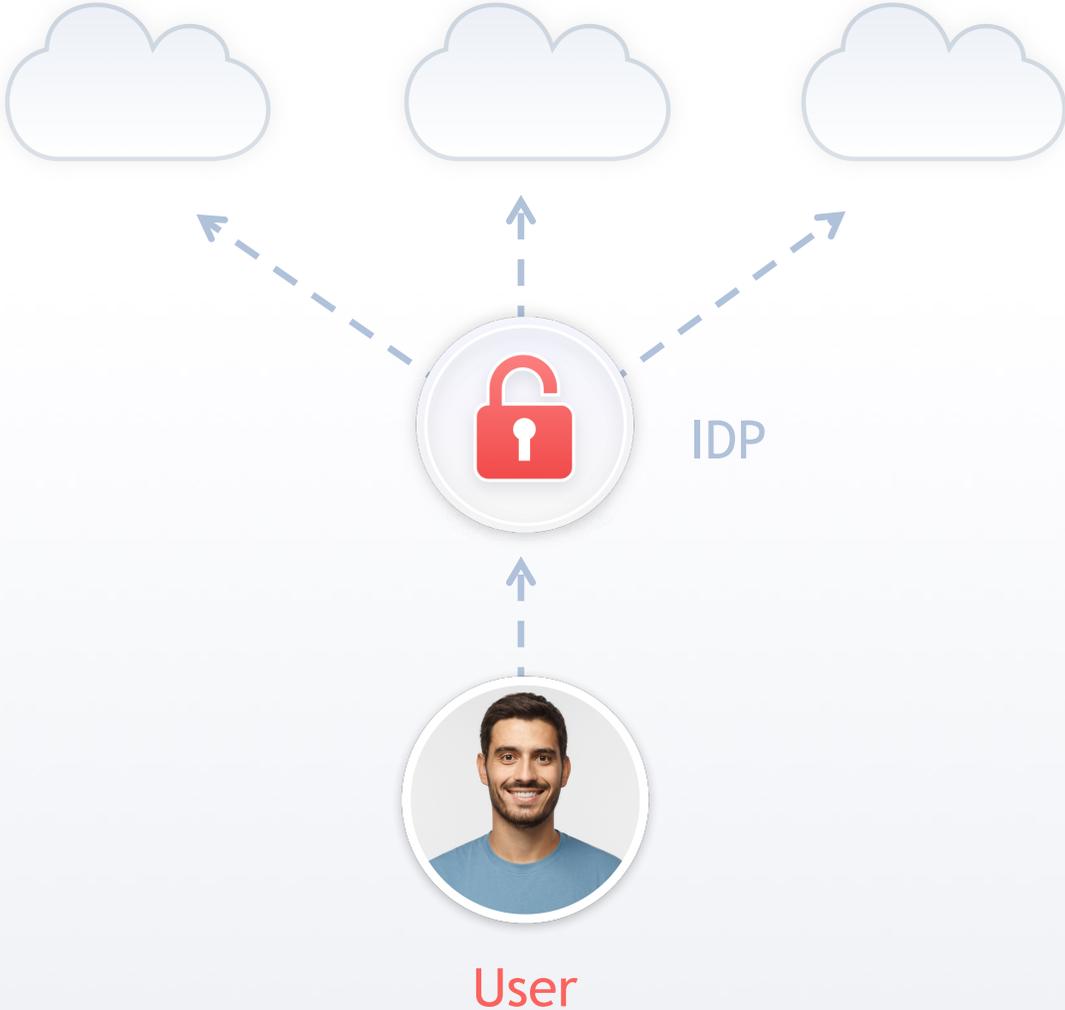
Online services



User

Self-Sovereign Identity

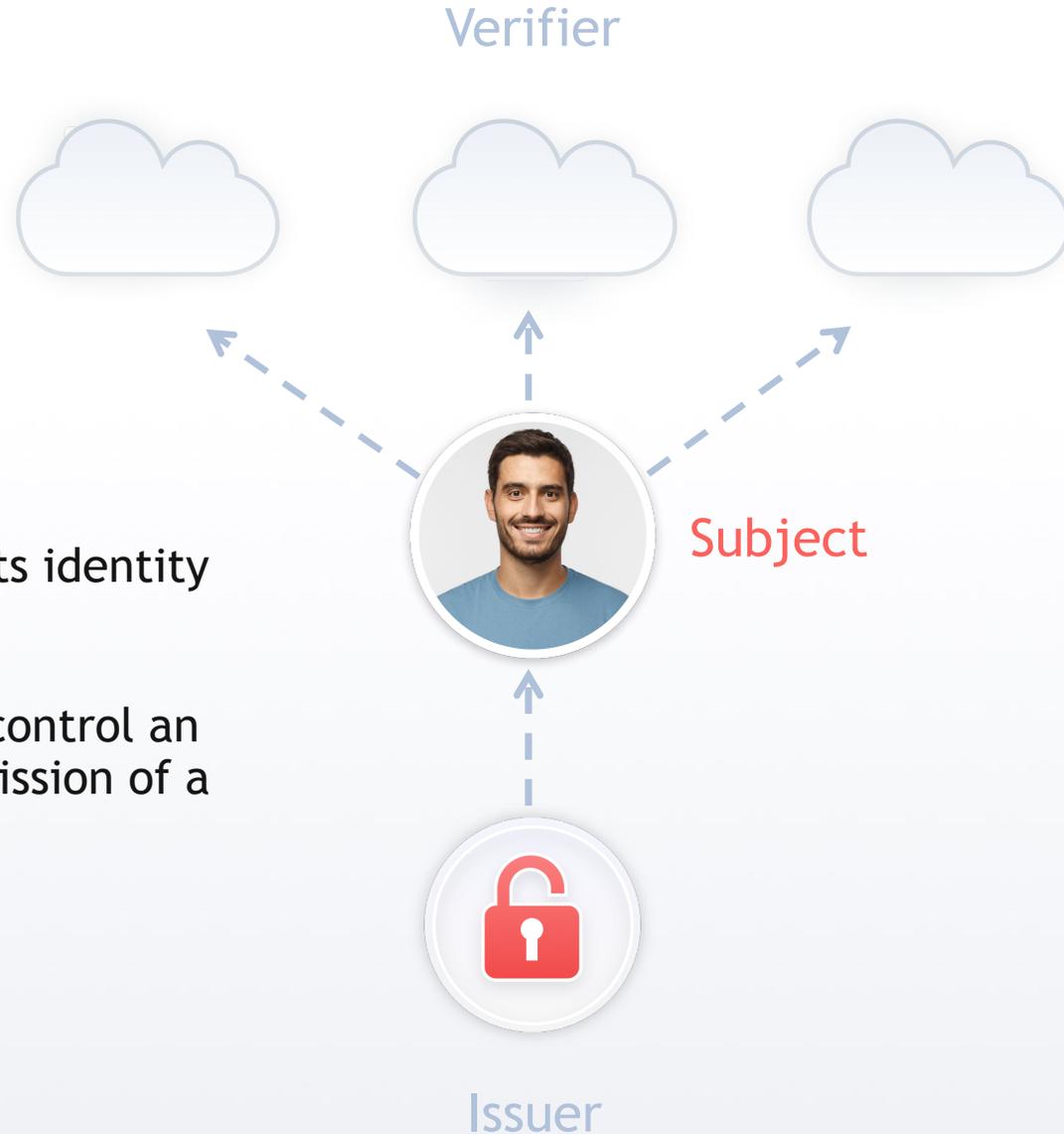
Online services



Self-Sovereign

= subject is in control of its identity

it can generate and fully control an identity without the permission of a central entity



Self-Sovereign Identity

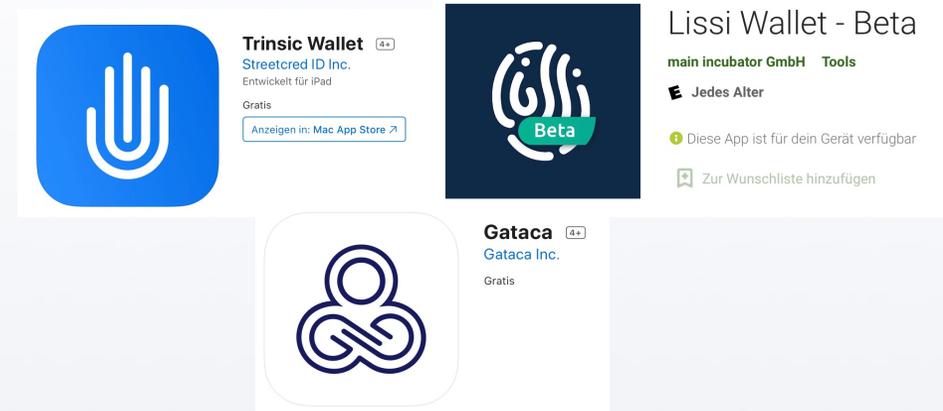
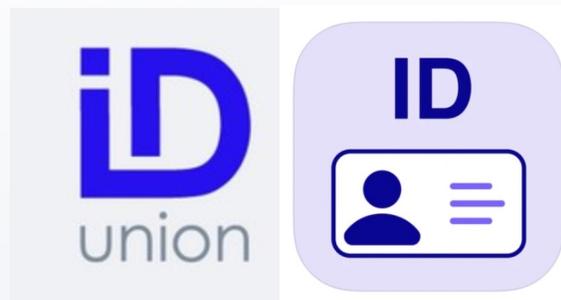
“Lifetime portable identity for any person, organization, or thing that does not depend on any centralized authority and can never be taken away.”

- *Drummond Reed, Founding Trustee of the Sovrin Foundation*

10 Principles of Self-Sovereign Identity

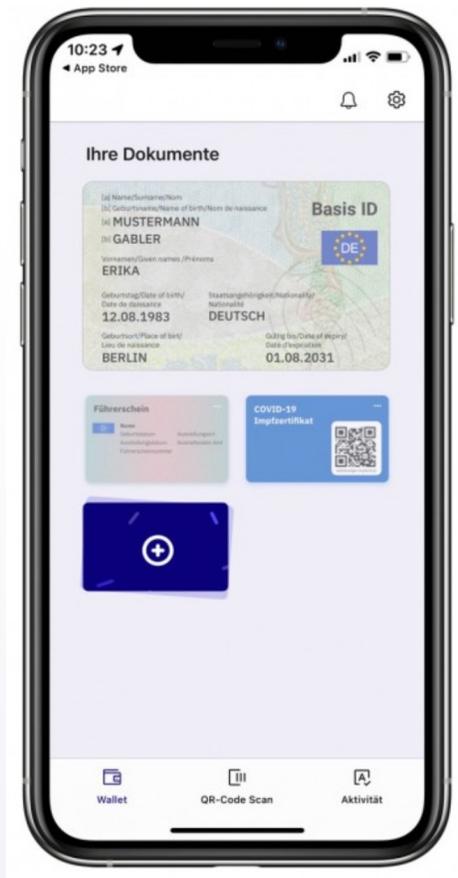
- > Minimization
- > Access
- > Control
- > Interoperability
- > Portability
- > Transparency
- > Persistence
- > Consent
- > Existence
- > Protection

SSI Today

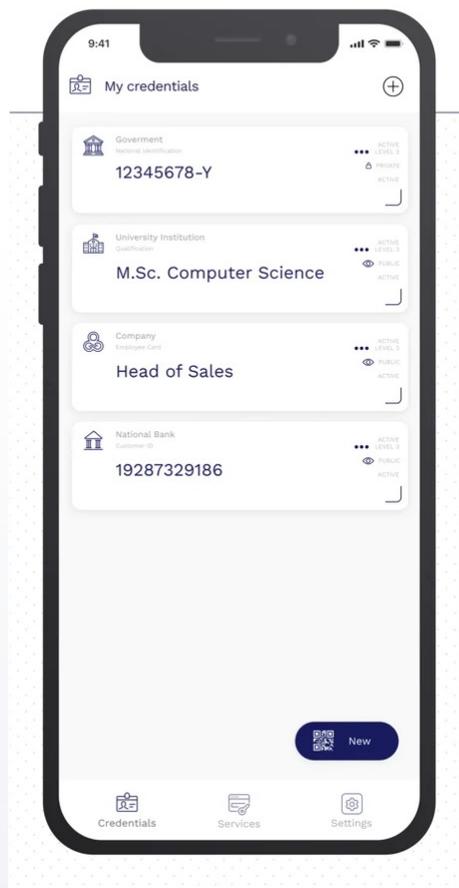


SSI Today

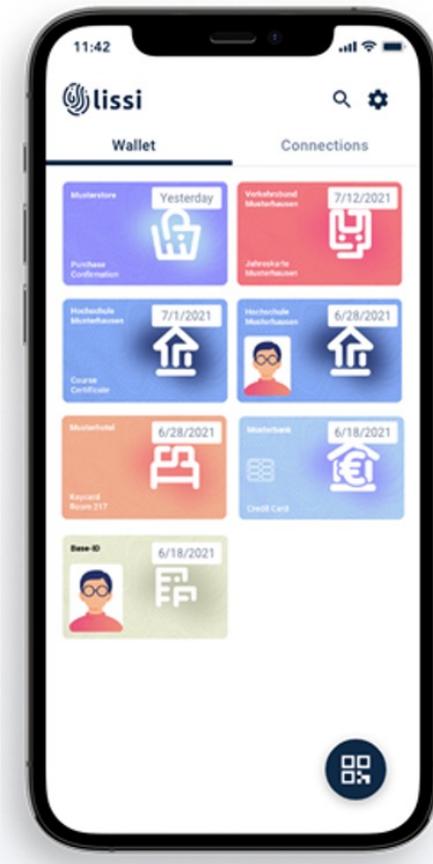
ID Wallet (DE)



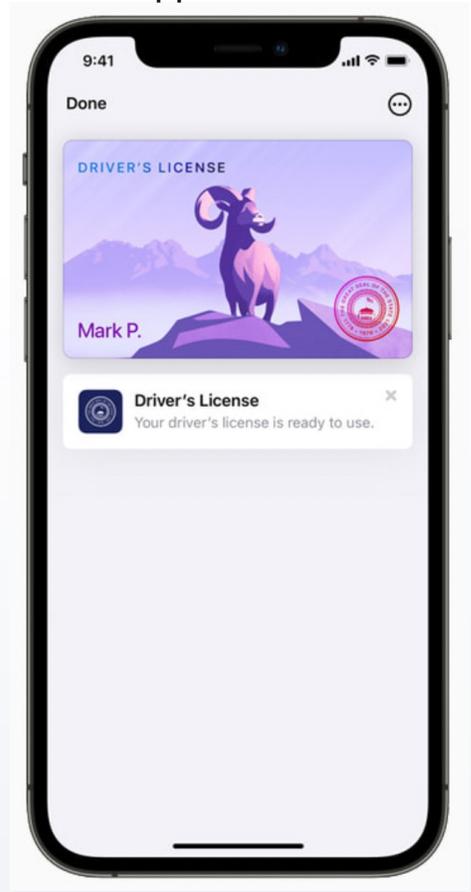
Gataca



lissi



Apple Wallet



Procivis

What we are working on.

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Daniel Gasteiger
Co-Founder & Chief Executive Officer



Patrick Graber
Chief of Staff



Jonas Loetscher
Chief Product Officer



Rolf Rauschenbach
Chief Sales Officer



Giorgio Zinetti
Co-Founder & Chief Technology Officer



Marco Lüthi
Product Design Lead



Adithya Pradeep
Product Manager



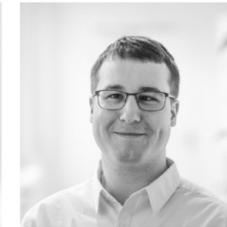
Sandro Scalco
Key Account Manager



Petra Balmer
Office Manager



Christoph Schwizer
Software Engineer



Sven Stucki
Chief Software Architect



Christian Tschanz
Senior Software Engineer



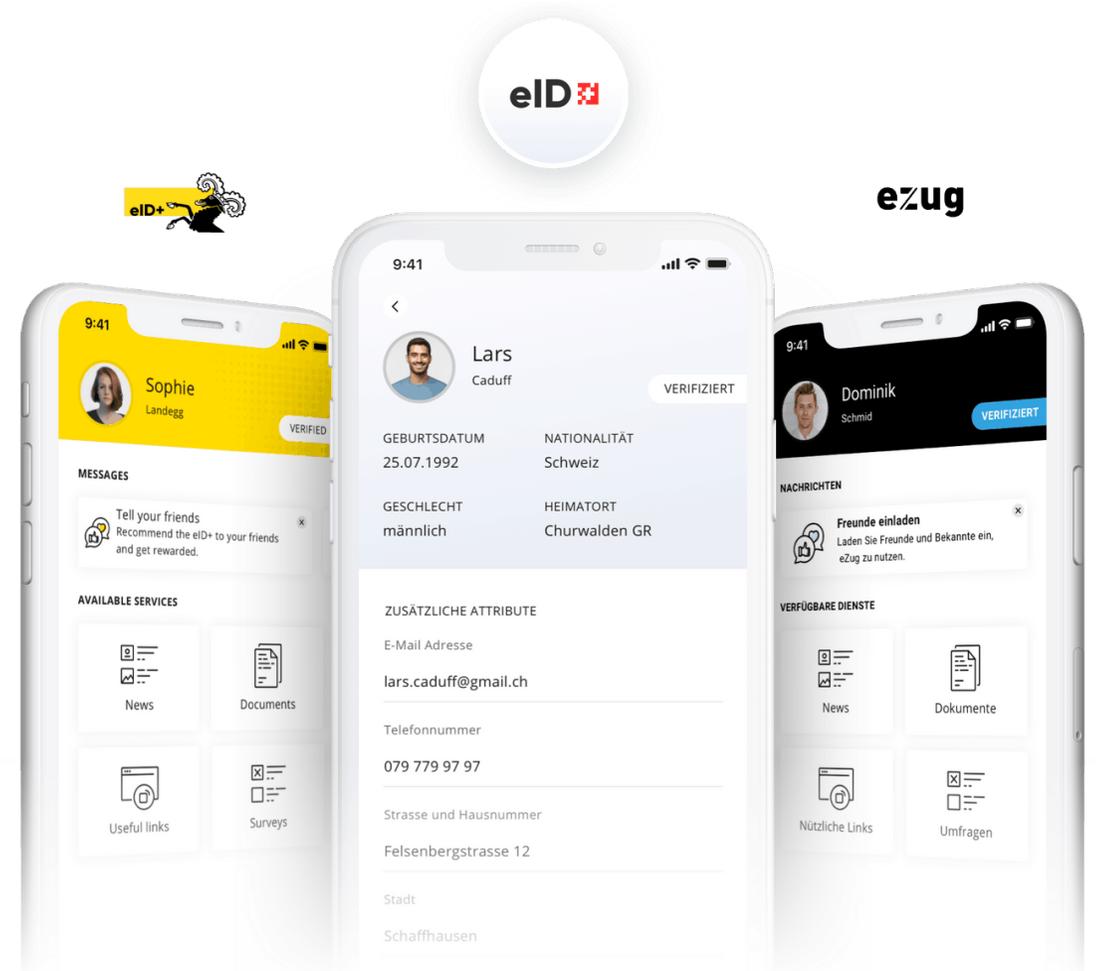
Costa Vayenas
Director of the Procivis Think Tank

procivis

founded 2016



orell füssli



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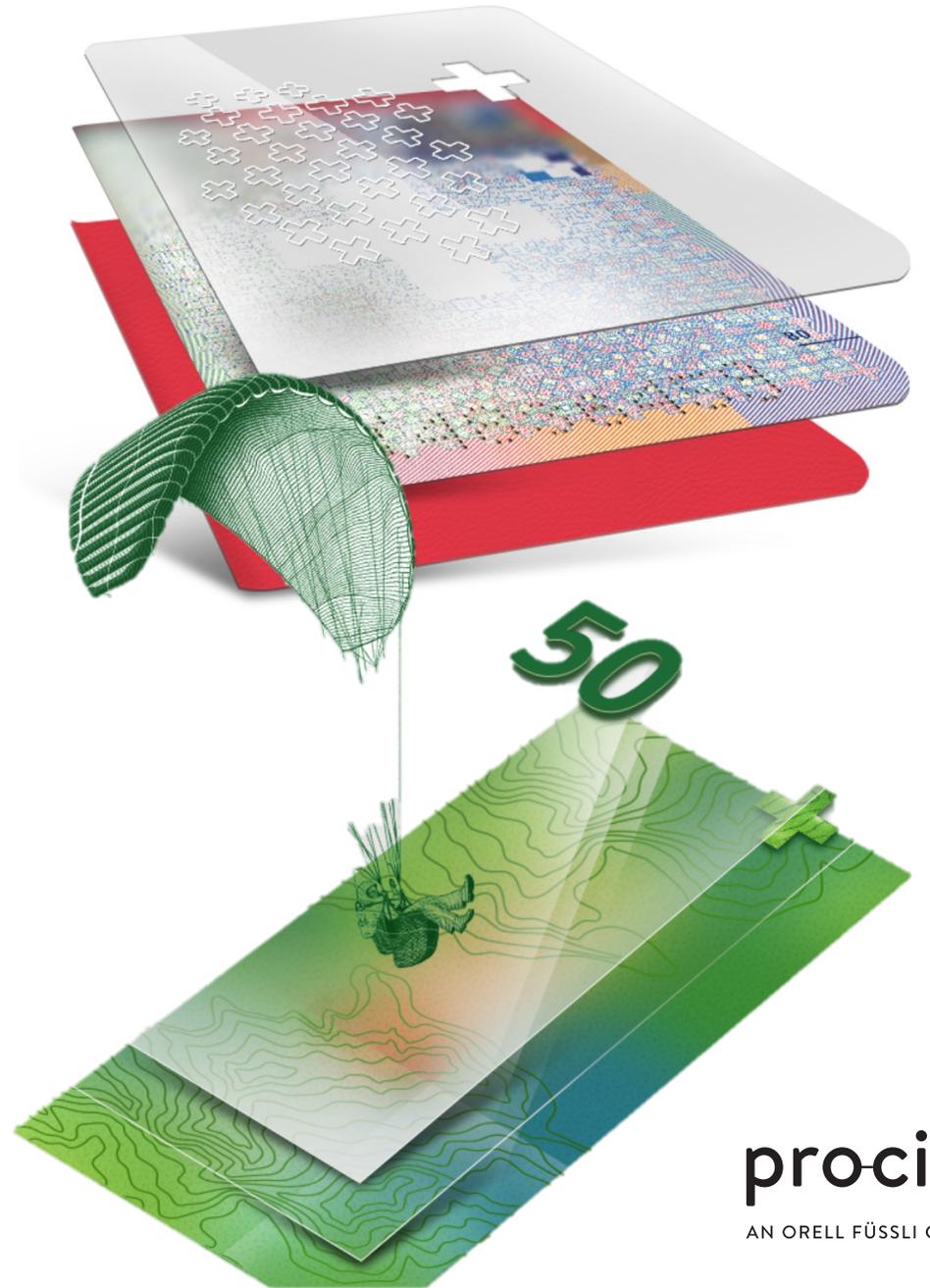
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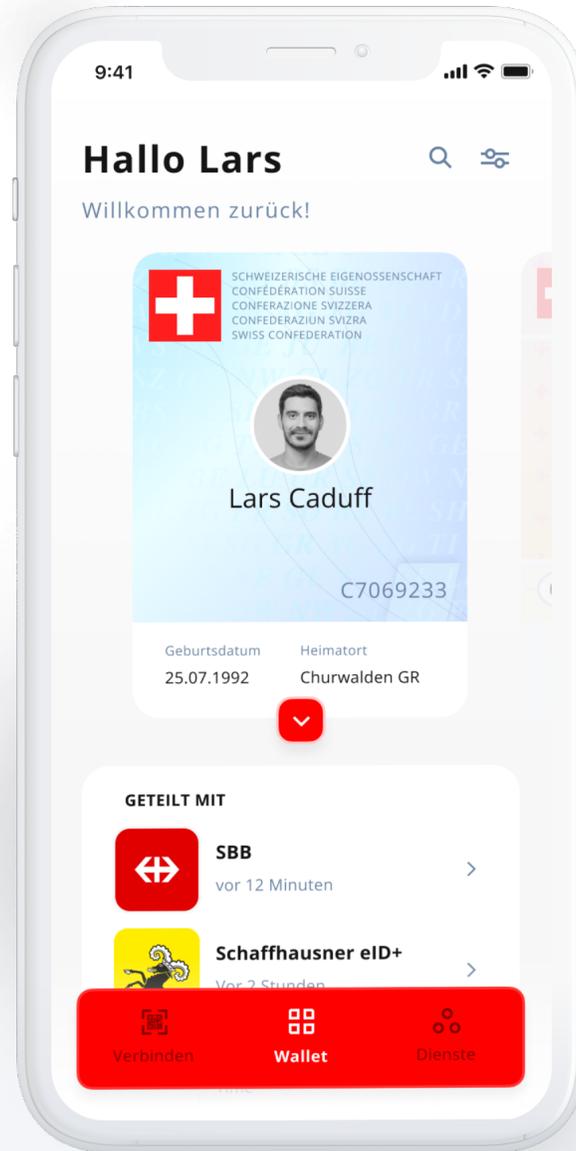
orell füssli

founded 1519

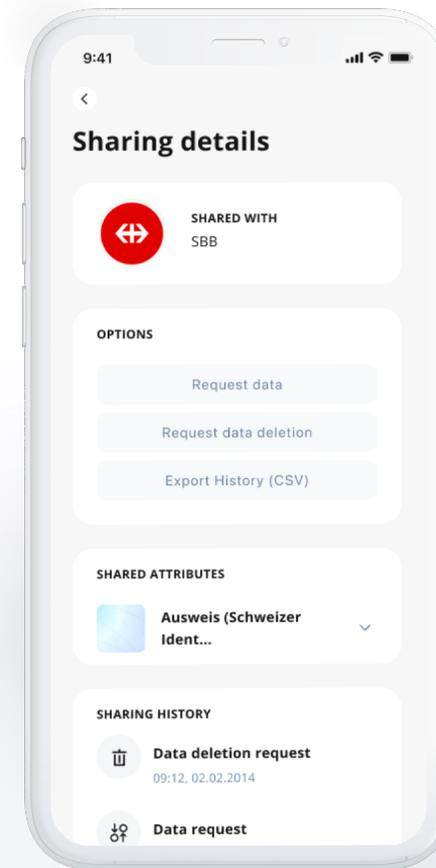
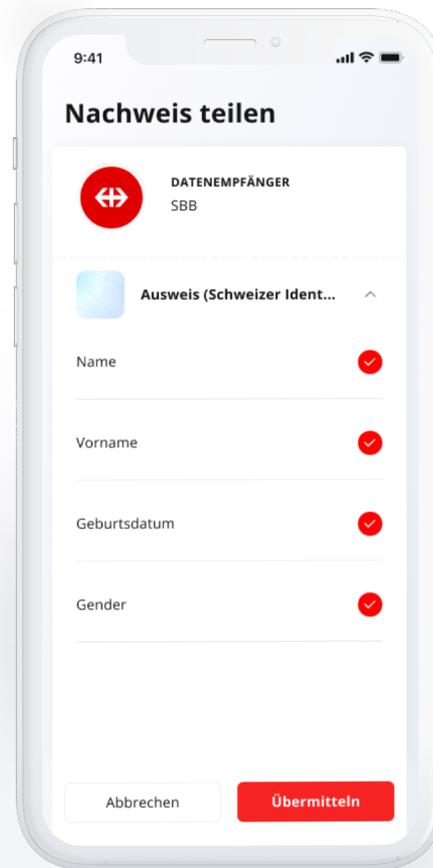
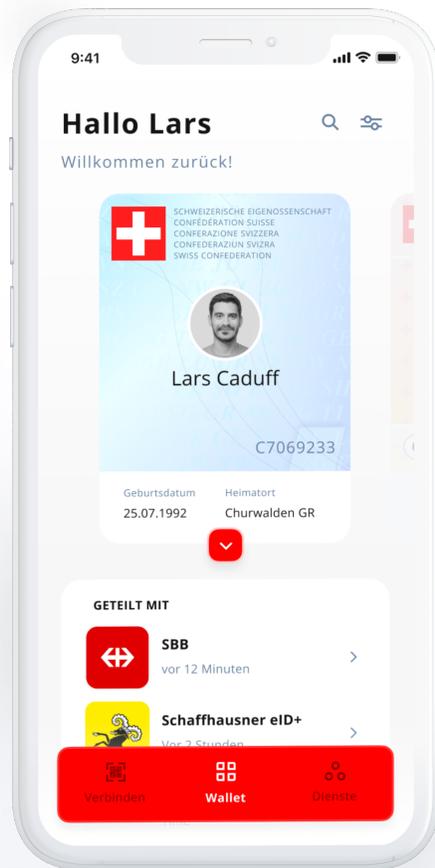


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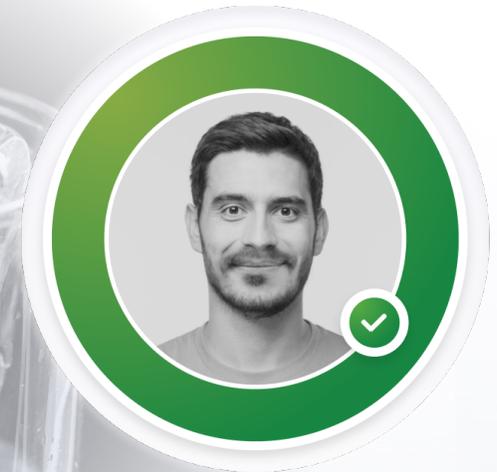
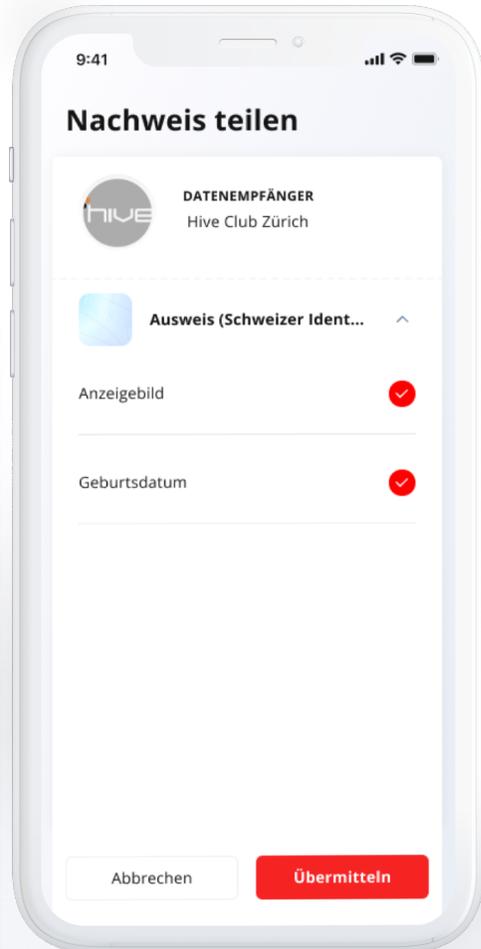
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Procivis SSI+

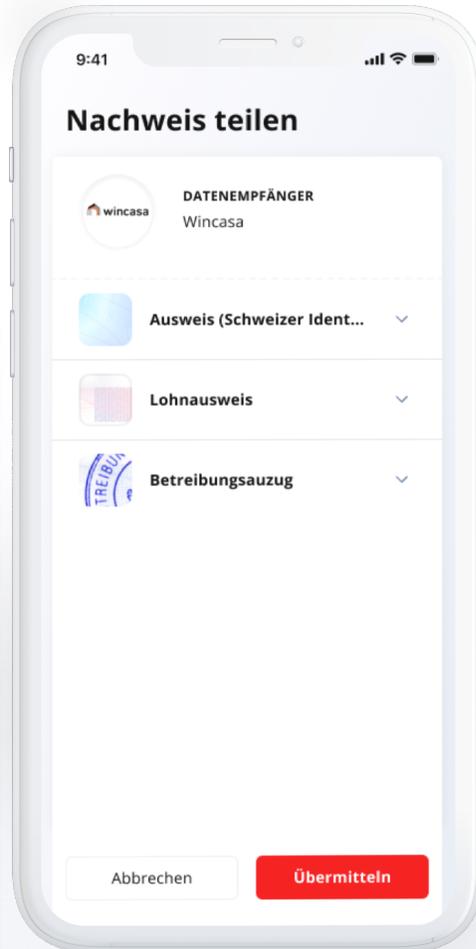


Procivis SSI+ - Age Check



Diese Person ist über 18 Jahre alt

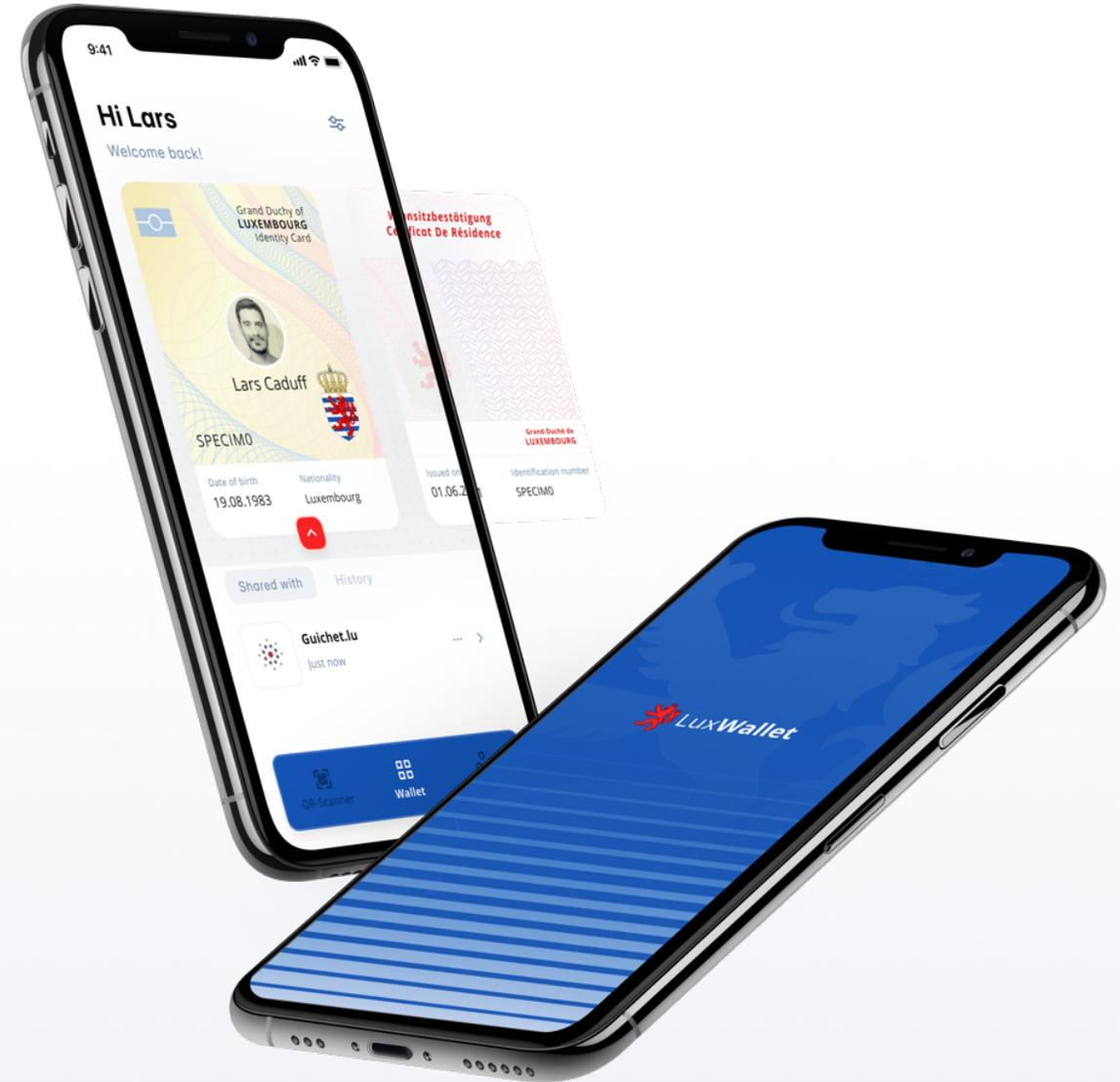
Procivis SSI+ - Rental Application



- ✓ Erfüllt 30er Mietregel
- ✓ Hat keine Betreibungen
- ✓ Hat eine Festanstellung

Procivis SSI+

- > Creating a new product family by next year
 - App (Holder)
 - Desk (Issuer)
 - Ecosystem and more...
- > Participating “Trust my Data” for Luxembourg - Resident Certificate as PoC
- > Evaluating use cases with multiple stakeholders (Universities, retailers, governments, etc)



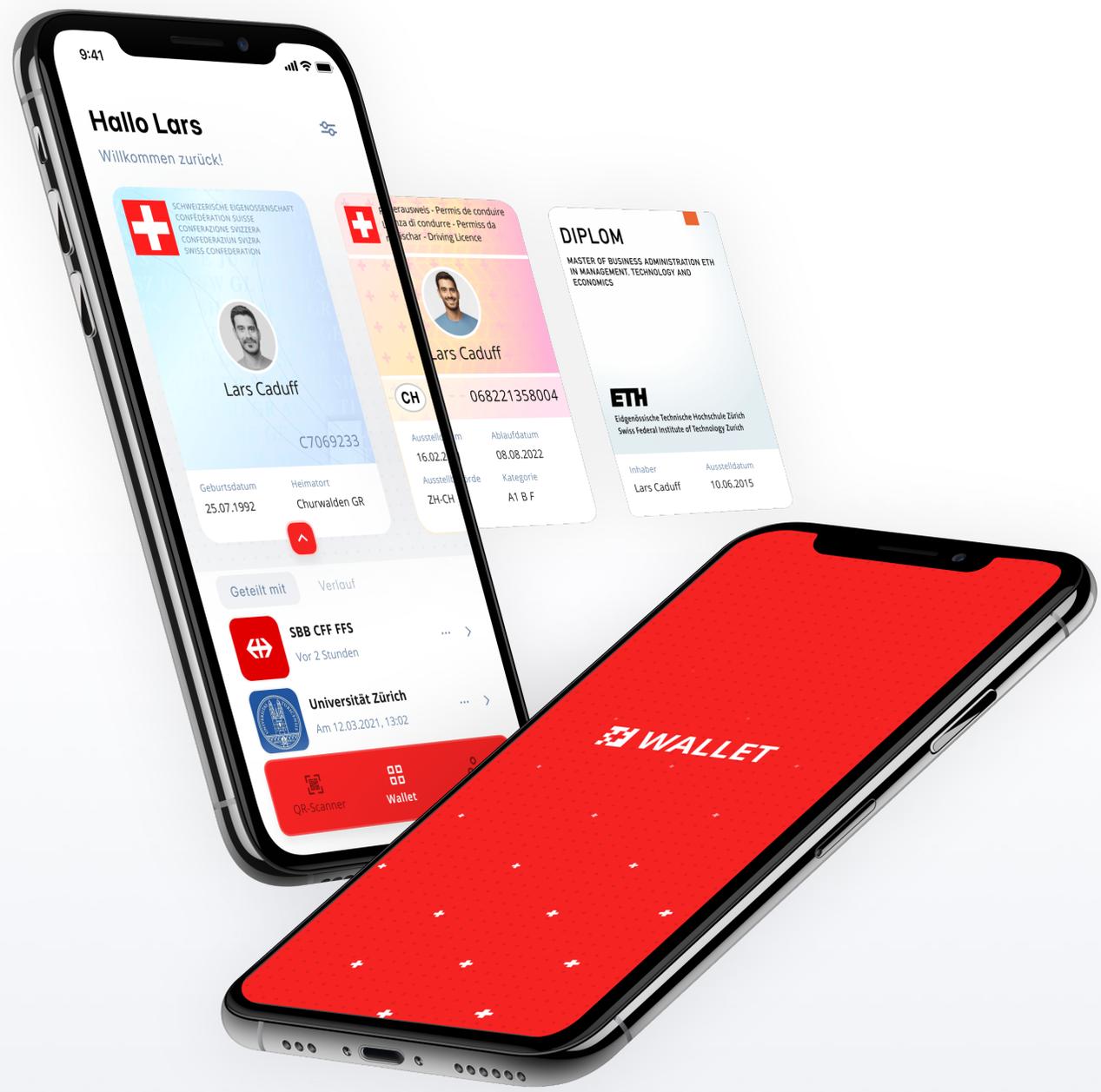
How you can help?

Example Topics

- > Accessibility & Approachability (UI / UX)
 - Communicating and building trust with verified credentials
 - Enable self onboarding of verified credentials

- > Use & Impact (UX)
 - What effects will these credentials have on society?
 - What use cases might be empowering to society?

- > Identity Ecosystems (Service Design / Design Thinking)
 - How can a ecosystem flourish? What is required from each stakeholder?



Contact

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CH-8002 Zürich

Annex



Further reading

- > [Self-Sovereign Identity \(Book\) - Decentralized digital identity and verifiable credentials by Alex Preukschat and Drummond Reed](#)
- > [*The Path to Self-Sovereign Identity* - by Christopher Allen](#)
- > [Verifiable Credentials Working Group - W3C](#) - by W3C
- > [ESSIF - European Self Sovereign Identity Framework](#)
- > [eIDAS Supported Self-Sovereign Identity](#)