



**Gesundheitsdatenraum
Schweiz**

Data To The People – Health Data in the Age of AI and Analogous Health Systems

We Are Days, Nov 25, 2025, Antwerp

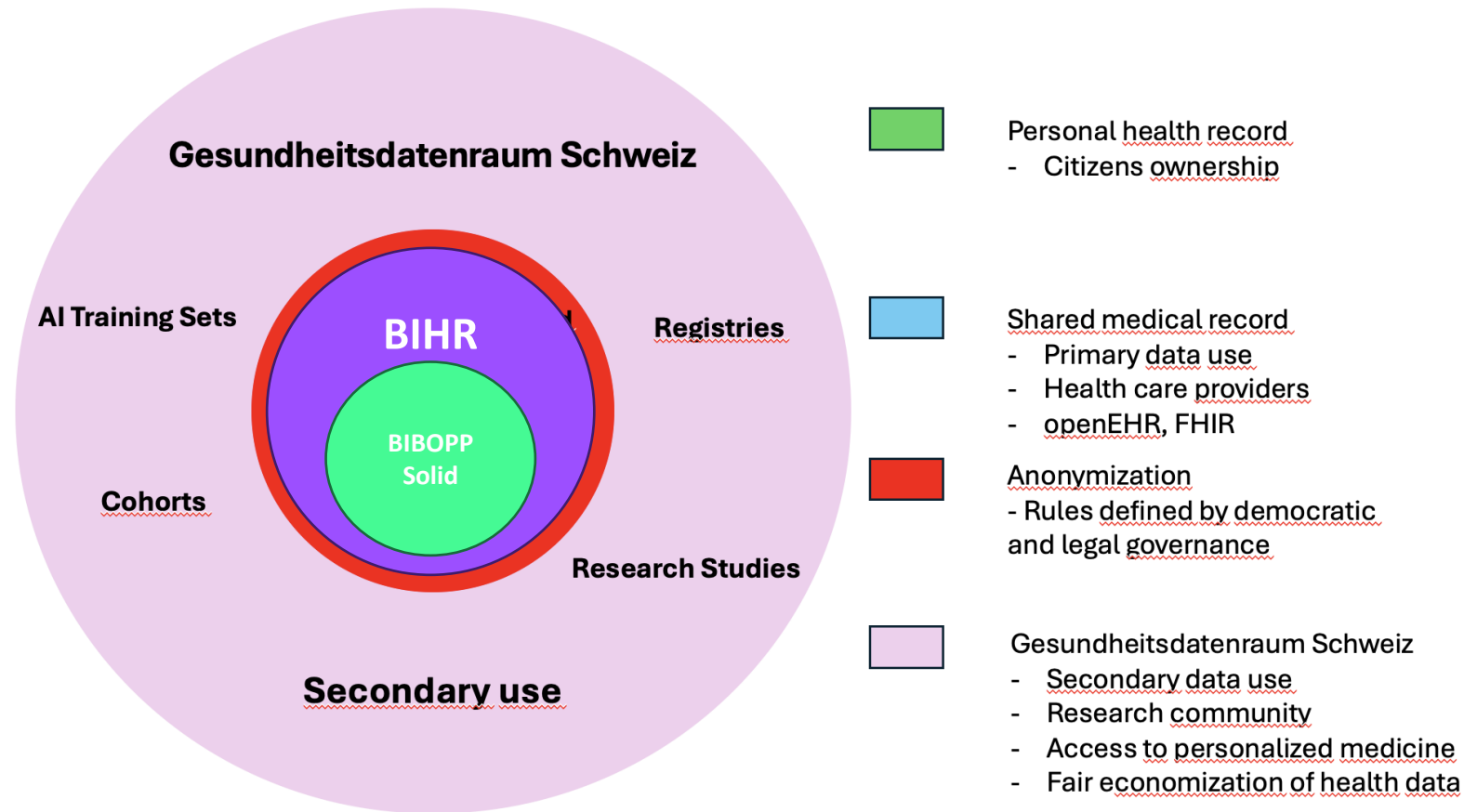
Prof. em. Ernst Hafen

President of the Association Swiss Health Data Space

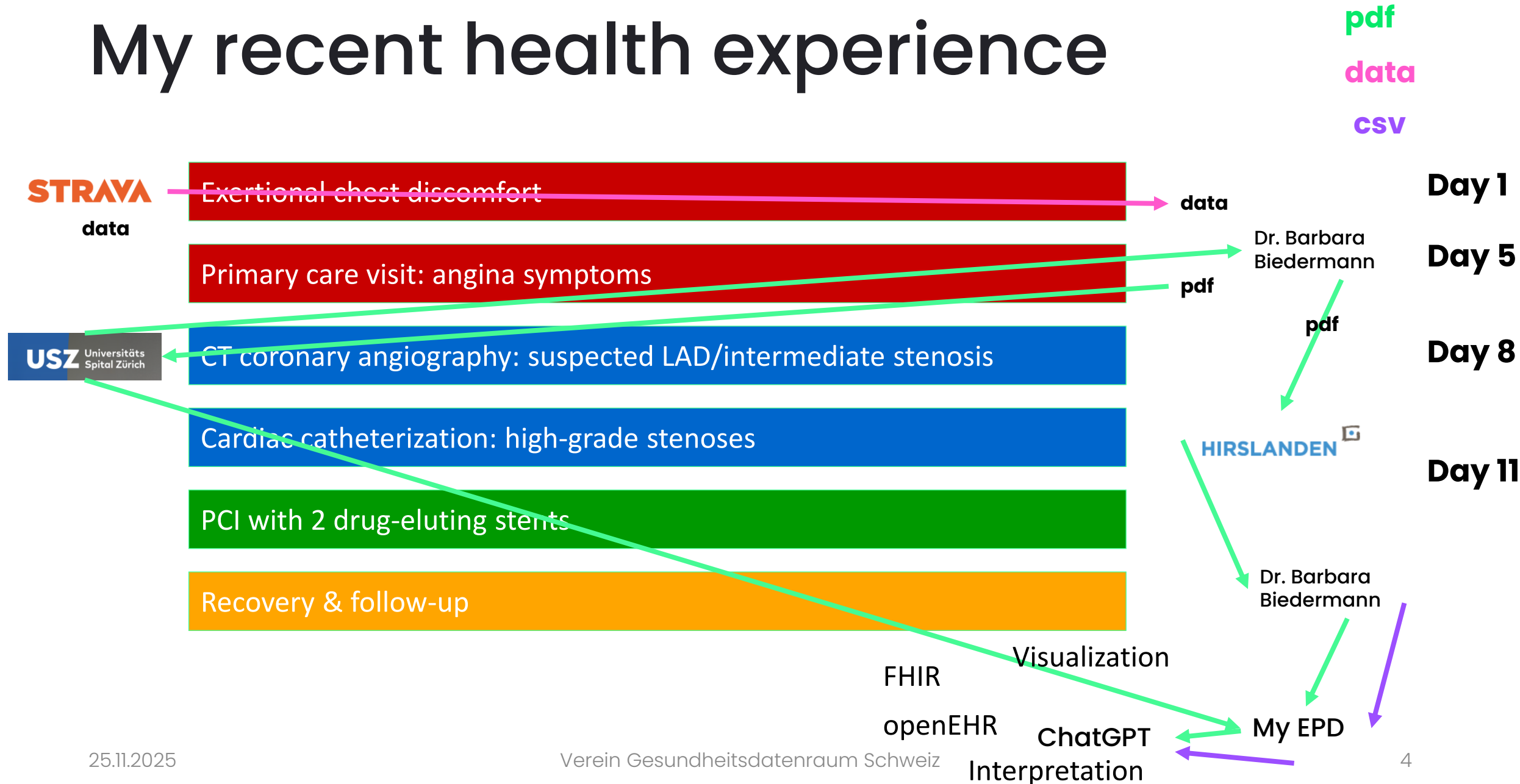
Content

- Our vision: Citizens and healthcare professionals in the center of the health data ecosystem
- My personal story: Excellent analogous healthcare and AI
- Reality Check I: Our healthcare system and our digital dependencies
- Is it ethical, not to use our health data?
- Reality Check II: Results from our expedition into the Swiss health data space
- AI must be part of the personal health data accounts

Swiss Health Data Space – Citizens and Healthcare Profession in the Center



My recent health experience



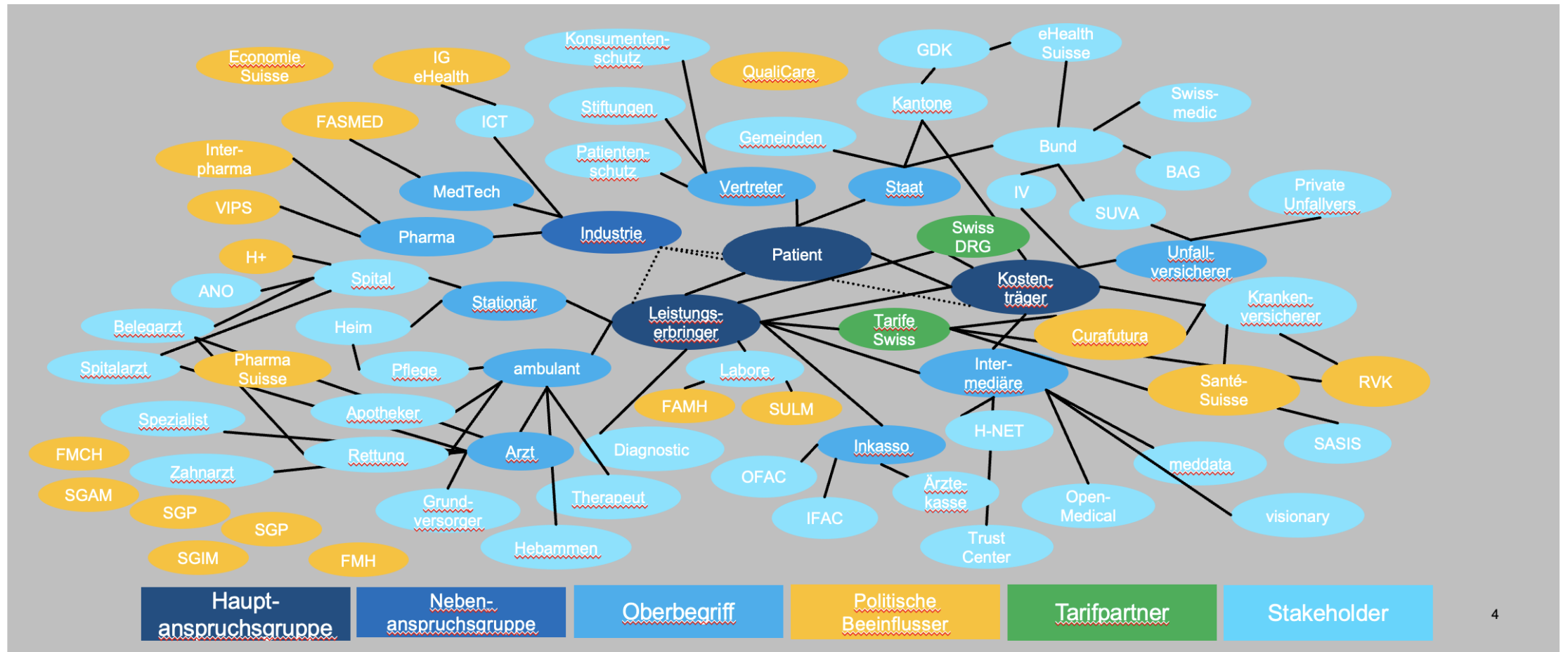


**Gesundheitsdatenraum
Schweiz**

Reality Check (I)

The Swiss Healthcare System and our dependencies on international companies

Which Way Leads Out of the Healthcare Jungle (after Urs Stromer, IG eHealth)



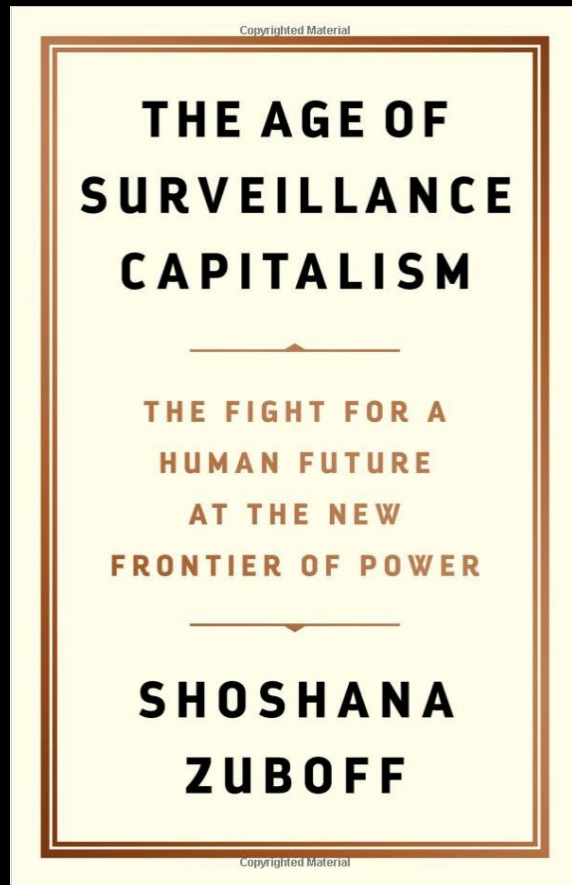
The Biggest Data Breach

ICCL report on scale of Real-Time Bidding data broadcasts in the U.S. and Europe

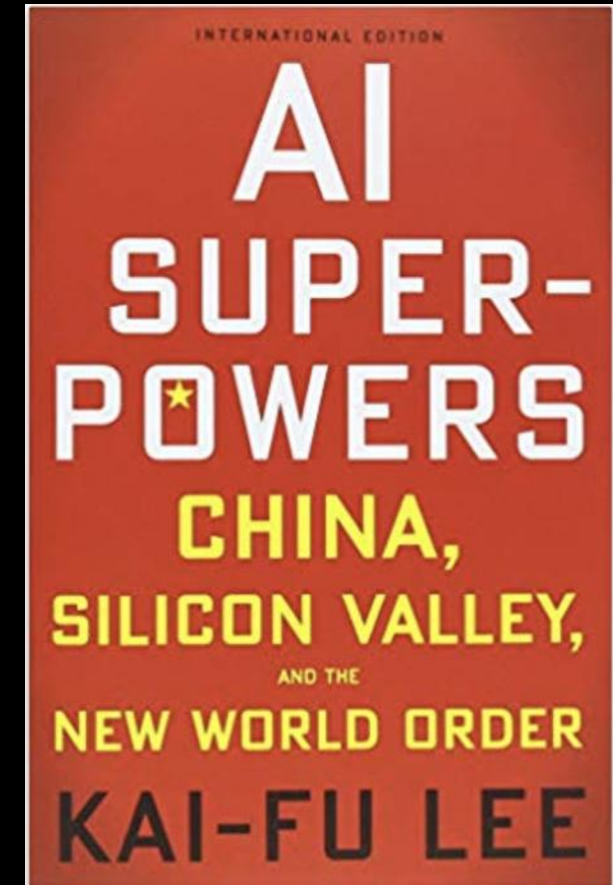
Your personal internet user data are auctioned 300x per day!

<https://www.iccl.ie/wp-content/uploads/2022/05/Mass-data-breach-of-Europe-and-US-data-1.pdf>

Is There a Third Way for Switzerland and Europe?



?





Gesundheitsdatenraum
Schweiz

Is it ethical not to use helath data?

LLMs must be trained in data of Europeans!

AI Systems Trained on US Data Do Not Work Reliably in Switzerland

Diagnoses supported by a computerised diagnostic decision support system versus conventional diagnoses in emergency patients (DDX-BRO): a multicentre, multiple-period, double-blind, cluster-randomised, crossover superiority trial



Wolf E Hautz, Thimo Marcin*, Stefanie C Hautz, Stefan K Schaubert, Gert Krummrey, Martin Müller, Thomas C Sauter, Cornelia Lambrigger, David Schwappach, Mathieu Nendaz, Gregor Lindner, Simon Bosbach, Ines Griesshammer, Philipp Schönberg, Emanuel Plüss, Valerie Romann, Svenja Ravioli, Nadine Werthmüller, Fabian Kölbener, Aristomenis K Exadaktylos, Hardeep Singh†, Laura Zwaan†*



Summary

Background Diagnostic error is a frequent and clinically relevant health-care problem. Whether computerised diagnostic decision support systems (CDDSSs) improve diagnoses is controversial, and prospective randomised trials

*Lancet Digit Health 2025;
7: e136-44*

1204 Patienten

4 Schweizer Notaufnahmen

14 Tage Nachverfolgung

bestes verfügbares System

PatientInnen mit hohem Fehldiagnoserisiko

16% Diagnosefehler

0 Unterschiede

© Wolf E Hautz, Insel Spital



**Gesundheitsdatenraum
Schweiz**

Reality Check (II)

Wie funktioniert das Gesundheitssystem aus Bürgersicht



Gesundheitsdatenraum
Schweiz

Accepted for publication in

smw

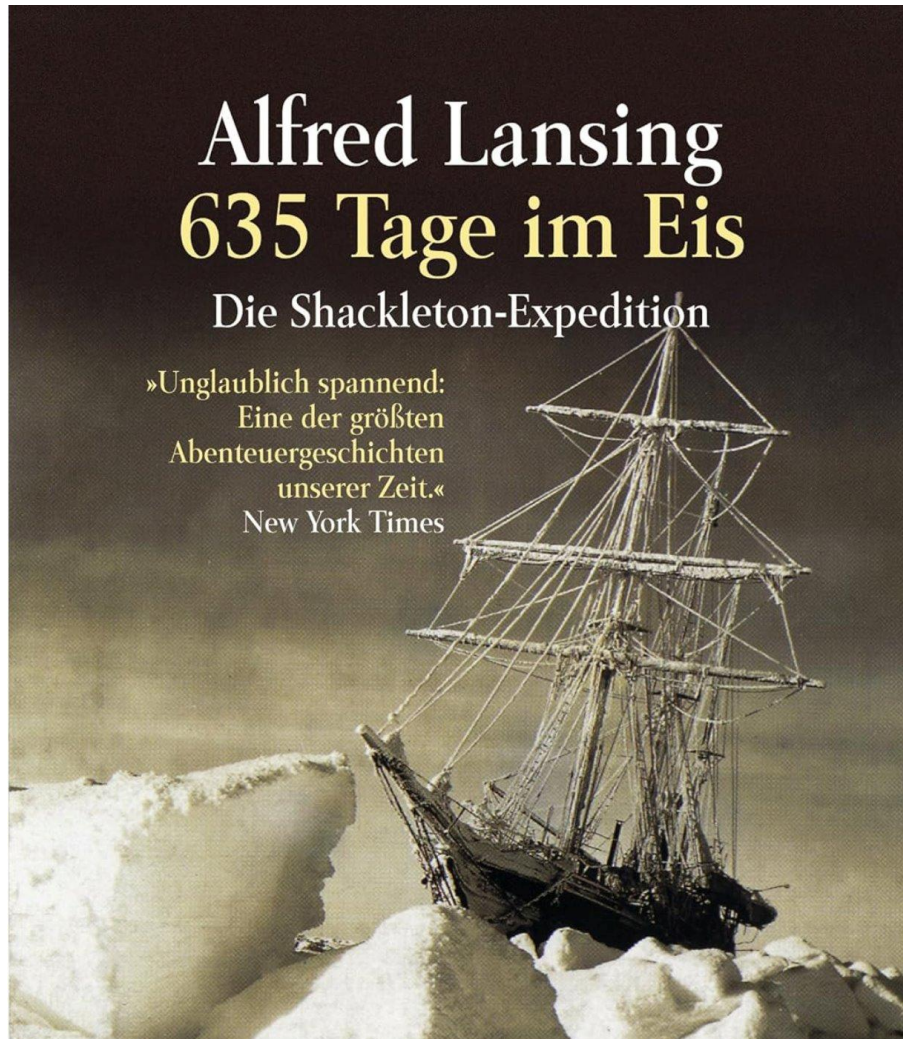
swiss
medical
weekly

A diamond open access journal published by the SMW supporting association

The Digital Stethoscope: Why Switzerland's Electronic Health Record Needs Citizen Testing

Let's walk the talk!

Let's Walk the Talk – The Expedition into the Swiss Health Data Space



Expedition tasks

Agreement
Signed

120



EPD (onboarding, uploading data, sharing data)

Private Health Data Store (Well, Compassana, heyPatient; onboarding)

Claims Data (requesting, receiving)

Medical Checkup (experience)

Future tasks

Logbook enrolled

Frozen in the Ice – It takes too long



- 1 hour to open an EPD
- 8 min to upload a document into the EPD
- 13 hours to obtain insurance data
- No personal benefit

Automating data collection!

Joint development of GdS and 44ai.ch

Your medical history
belongs to you

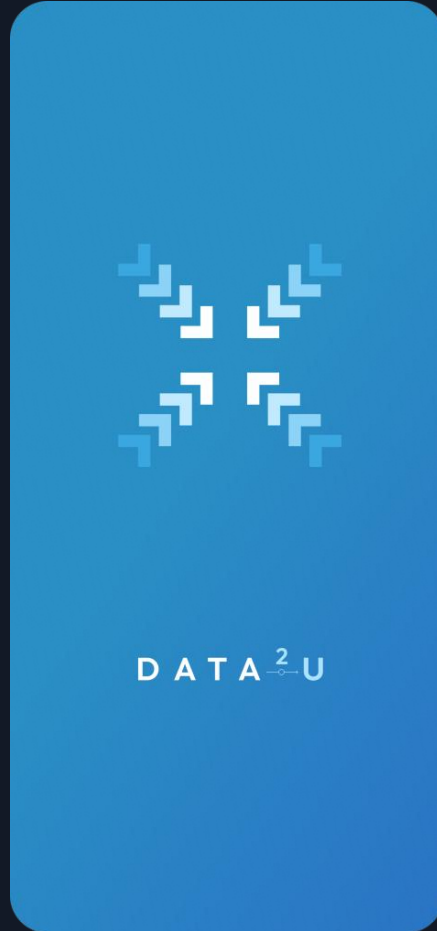


Download app



DATA²U

Minutes instead of hours



Download & Install 1x **3 min**

Verify 1x **10 min**

Request **1 min**

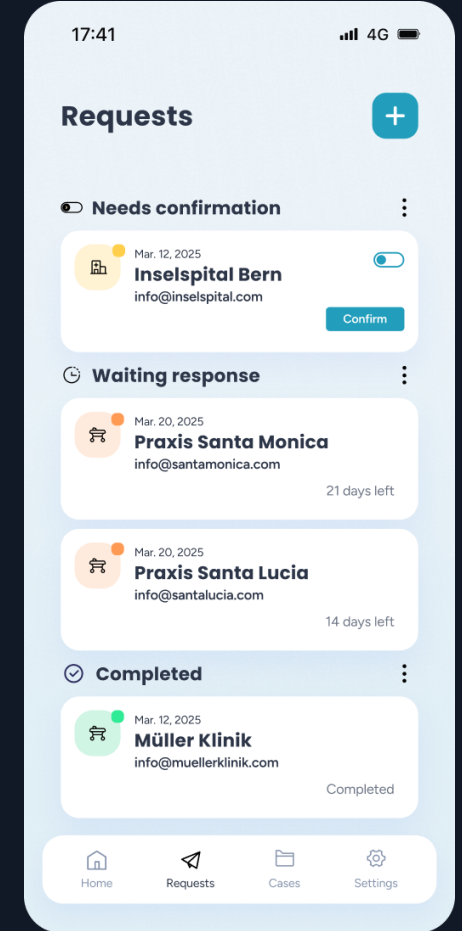
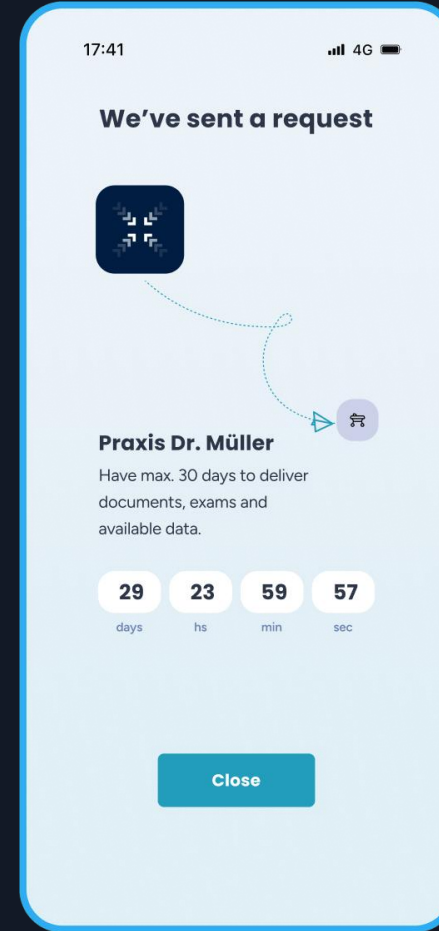
Upload into data2u **5 min**

Metadata (EPR) **0 min**

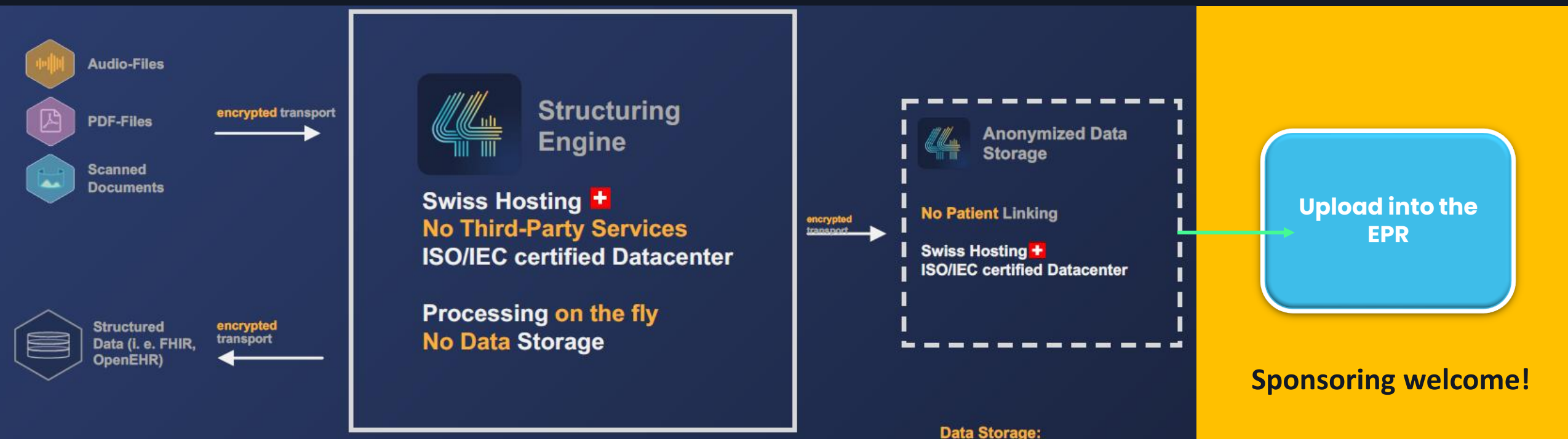
Overlook **0 min**

Extr. structured data **0 min**

Upload into EPR **5 min**



How it works





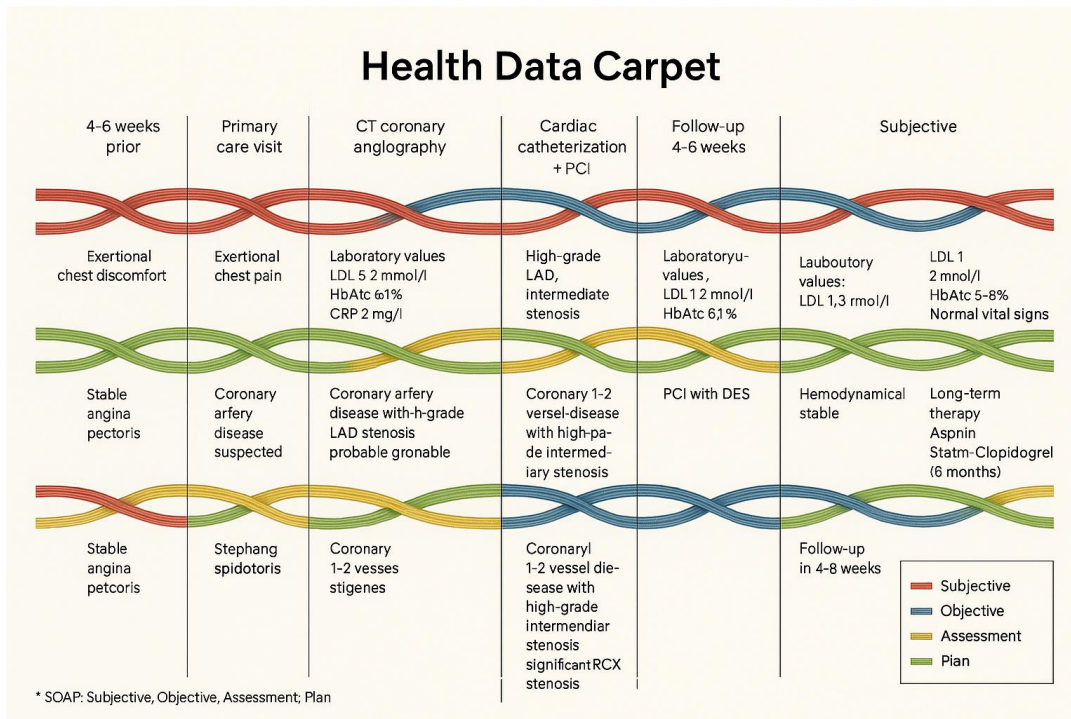
Gesundheitsdatenraum
Schweiz

AI must be an integral part of the personal healthcare account

The Four-Component MCP Model for Health Data AI

- MCP = Multicomponent Prompt:

1. Reason – Purpose, Why
2. Who – Actor needing information
3. Which data – Required data elements
4. How – Output form:



Challenges

- **European personal data are an asset** and should be used as such für the benefit of the citizen, the healthcare professional and society at large
- Data security > How do we ensure that data to not go to OpenAI
- Certification of AI solutions
- Healthcare professionals (data authors) and citizens (data subjects) need to work together
- State oversight



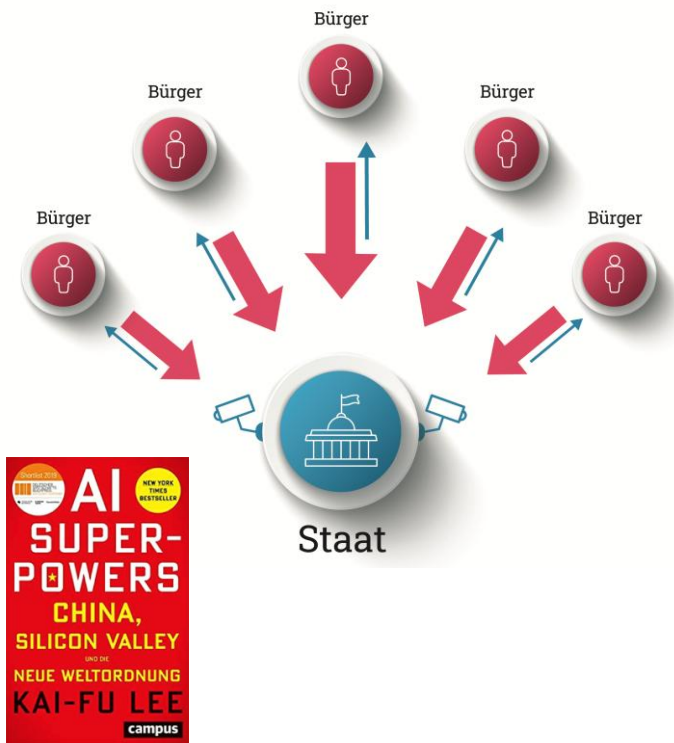
Gesundheitsdatenraum
Schweiz

Let's Walk the Talk, Again!

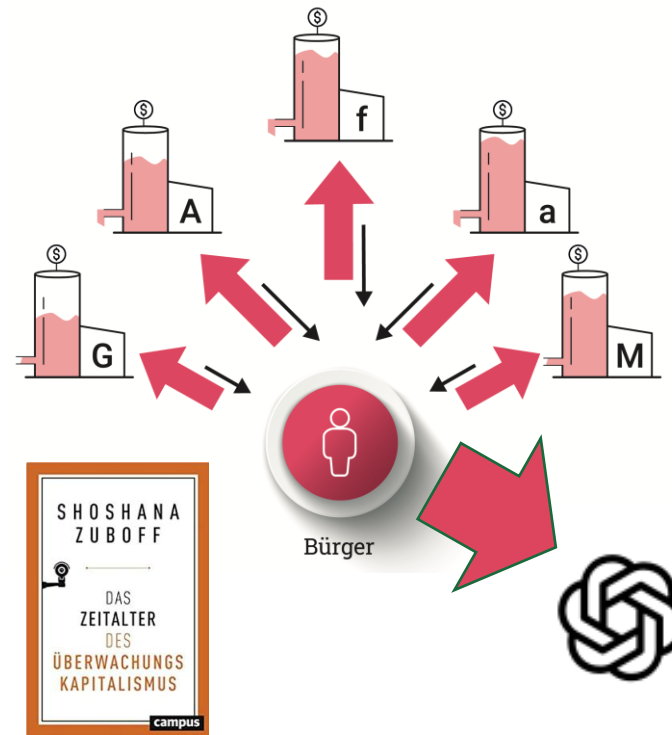
We cannot wait until 2030 for another empty E-GD!

Digital Societies

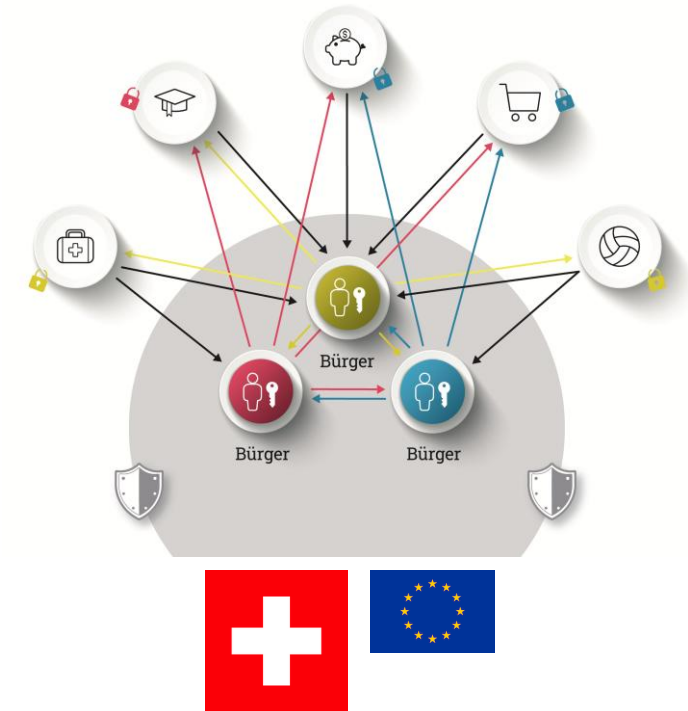
State-centered



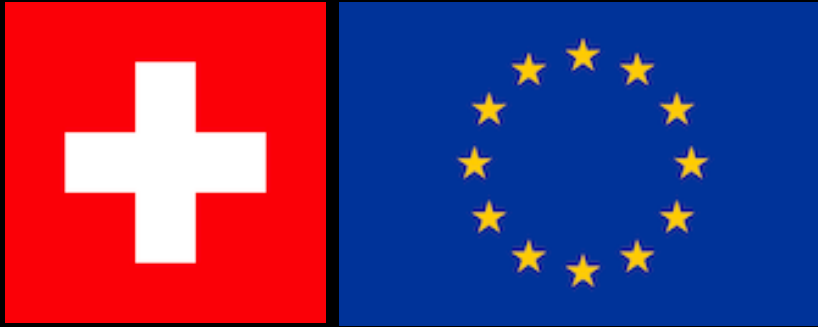
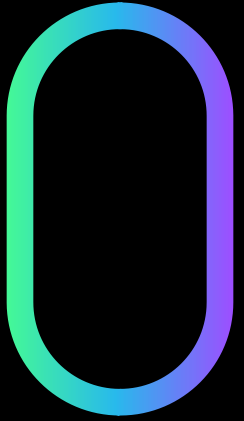
Business-centered



Citizen-centered



Data to the People! – Data Democracy



Let's walk the talk, again!