



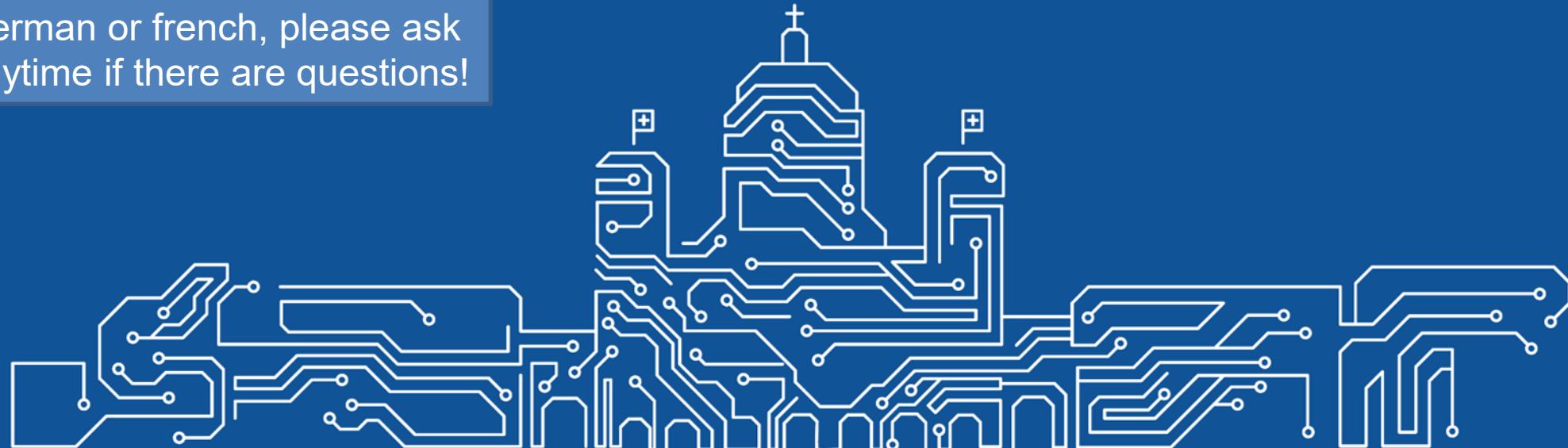
Schweizerische Eidgenossenschaft
Confédération suisse
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Bundeskanzlei BK
Digitale Transformation und IKT-Lenkung (DTI)

Swiss Data Ecosystem

Opendata.ch/2023 - Jürg Wüst

Some of the content will be in
german or french, please ask
anytime if there are questions!





Schweizerische Eidgenossenschaft
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UPDATE
April 14, 2020

Apple stellt Mobilitätsdaten zur Verfügung, um Anstrengungen gegen COVID-19 zu unterstützen



[Quelle: Apple](#)

Bundeskanzlei BK
Digitale Transformation und IKT-Lenkung (DTI)

SRF-Community zu Schulen

Fernunterricht oder Schulbetrieb?

Dienstag, 12.01.2021, 15:38 Uhr



Dieser Artikel wurde 6-mal geteilt.

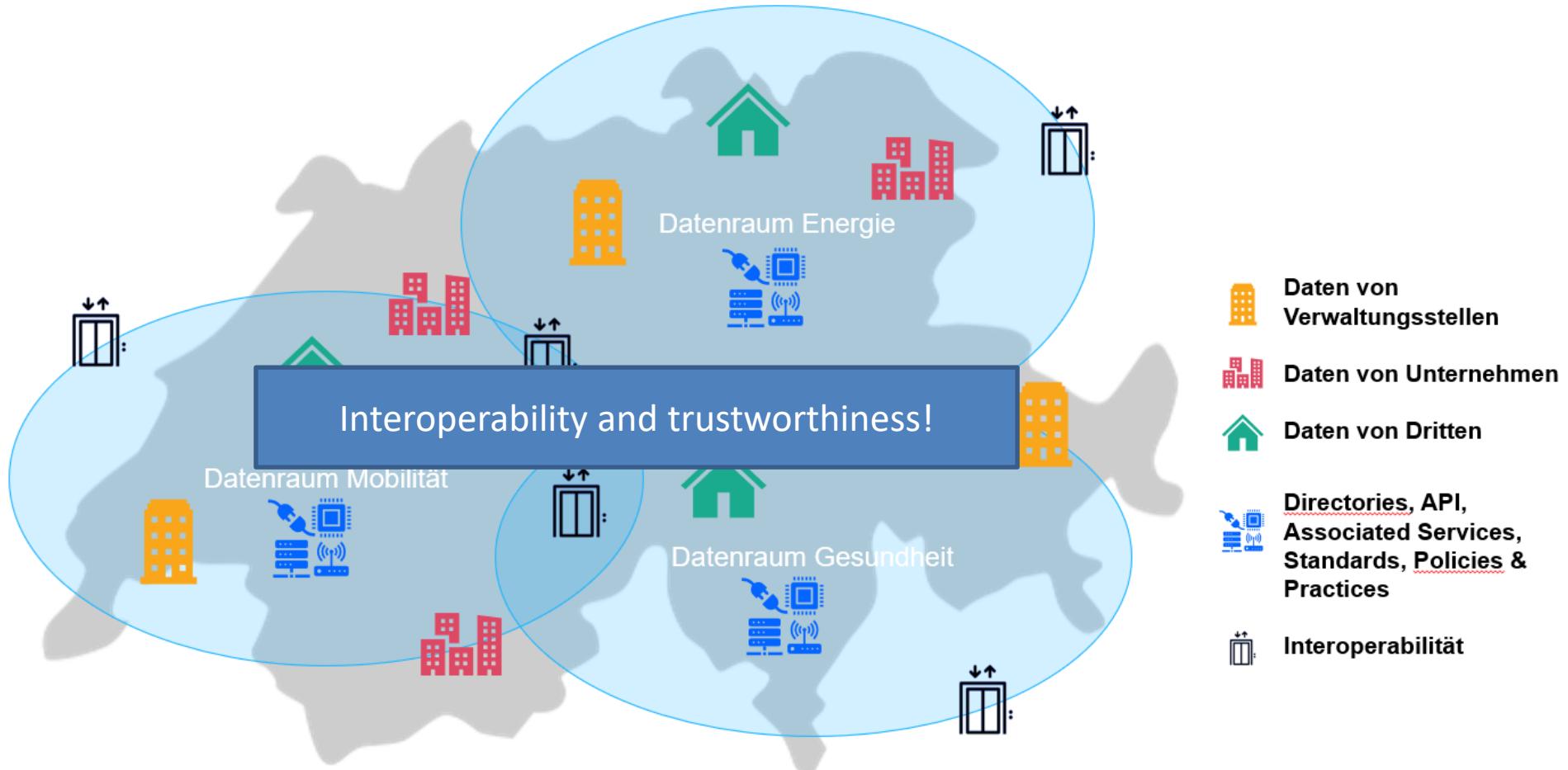
Eine neue [Studie der ETH](#) hat die Mobilitätsdaten der Schweizer Wohnbevölkerung vom Frühling 2020 mit denjenigen vom Frühling 2019 verglichen. Das Resultat: Durch die Schulschliessungen wurde die Mobilität Mitte März um über 20 Prozent gesenkt. Die Verringerung der Mobilität gilt als wichtiger Faktor in der Pandemiebekämpfung.

Die SRF-Community hat in den vergangenen Tagen intensiv über dieses Thema diskutiert. In einer nicht repräsentativen Umfrage befürworten rund 80 Prozent der Userinnen und User eine Schliessung der Schulen zugunsten der Bekämpfung des Coronavirus. Doch das Thema ist komplex, wie die Diskussion zeigt.

[Quelle: SRF](#)



Swiss Data Ecosystem





And what is the federal government doing exactly?



Federal mandates in the context of "Trustworthy Data Spaces and Digital Self-Determination"

- Multiple mandates in context of the Swiss Data Ecosystem
- Several federal offices are works closely to fulfil the mandates
 - BK (DTI)
 - UVEK (BAKOM)
 - EDA (DV)
 - EDI (BFS)
- Multiple other federal offices are cooperating
 - UVEK (BFE, BAV)
 - EFD (SIF)
 - National Network Digital Self-Determination
- National Code of Conduct: Development of a voluntary code for the operation of trusted data rooms.
- Swiss Data Hub: Clarification of whether a Swiss DataHub should be realised and a central contact point created to support trustworthy data spaces.
- Interoperability: Development of approaches for the interoperable design of national and international data spaces.
- International data governance: Identifying partners to promote trusted data spaces and digital self-determination internationally.
- International guidelines: Develop international guidelines for trusted data spaces and digital self-determination that reflect the national code of conduct.

Blue: Lead Federal Chancellery together with Federal Statistical Office



Motion 22.3890 "Framework Law for the Secondary Use of Data"

The motion 22.3890 was submitted in 2022 by the WBK of the council of states.

*«Daten sind eine wichtige Basis für wirtschaftlichen Erfolg und Fortschritt, gesellschaftliche Wohlfahrt und staatliches Handeln. Die **Datennutzung wird zu einer zentralen Schlüsselkompetenz** in Wirtschaft, Verwaltung, Wissenschaft und Bildung. Voraussetzung für eine wertschöpfende Datennutzung ist allerdings ein rechtssicherer Rahmen. Es braucht sodann neue und pragmatische Ansätze für die Kooperation zwischen privaten, halbprivaten und öffentlichen Markakteuren, der Forschung, der Bildung und dem Staat im Rahmen gemeinsamer, vertrauenswürdiger Datenräume.»*

the motion was adopted by the federal parliament and will be implemented in the next few years.



Proceeding

Broad collaboration of organisation in numerous workshops and meetings with:

- Federal administration: EDA (DV), EDI (BAG, BAR, BFS, GS-EDI, BLV), EFD (DVS, GS-EFD, ESTV, SIF), WBF (BLW, SECO), EJPD (GS-EJPD, ISC-EJPD), UVEK (GS-UVEK, BAKOM, BAV, BFE), VBS (FUB, swisstopo), BK
- Cantons and communes: Cantons of BE, FR, GE, BS, NE, TG, VD, VS, ZH, City of Zürich
- Others: EPFL, Opendata.ch, Swiss Data Alliance, SATW, Digital Switzerland, Post, Swissdec, Bedag, GAIA-X, EDUCA, eCH, Data Space Support Center Europa, etc.

By autumn 2023: Coordination of Federal Council business (DV, BAKOM, BFS, BK-DTI, DVS) on the topics of trustworthy data spaces in the context of digital self-determination, secondary use of data and data management by the public administration.



Data spaces, data ecosystem what exactly is it about?



Vision: One Swiss Data Ecosystem

Vision

The data ecosystem creates the preconditions for efficient data exchange and data sharing across data spaces in the sense of "**landscape planning**" in the data management of Switzerland.

The data ecosystem creates the preconditions for the implementation of the once-only principle, the multiple use of data and the scaling of solutions and ensures national and international connectivity.

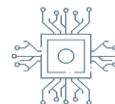
Detail elements of the vision



Collaboration



Interoperability



Distributed architecture



Value



Trustworthiness



Leading Questions

What are data spaces and how do they support digitalization?

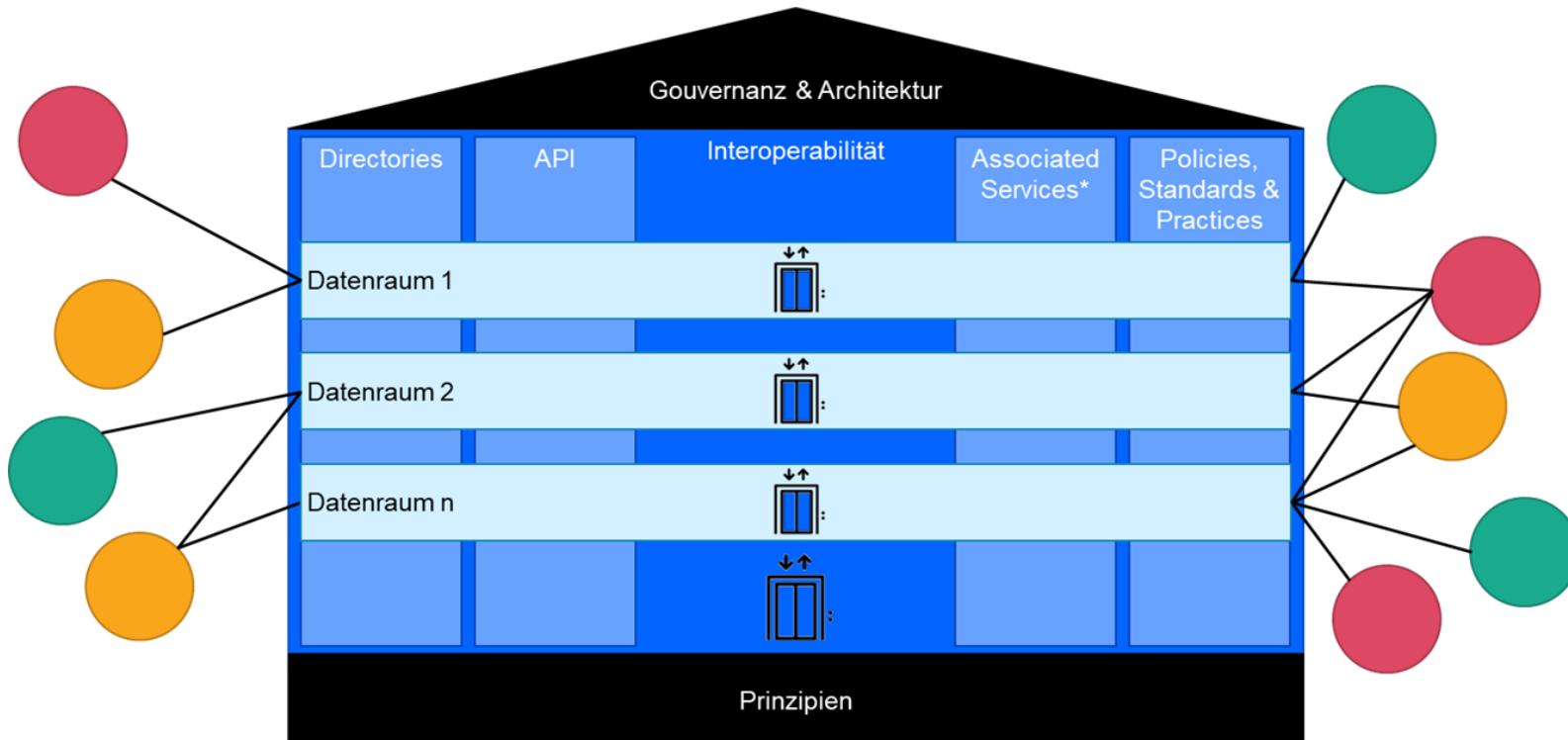
How do data spaces support the use of data while ensuring trustworthiness in the context of digital self-determination?

How do data spaces become nationally and internationally interoperable and how can we use data across data spaces?

What legal foundations do we need for data spaces and the secondary use of data, and how does Switzerland position itself in relation to international legal foundations?



Data Ecosystem – Content overview



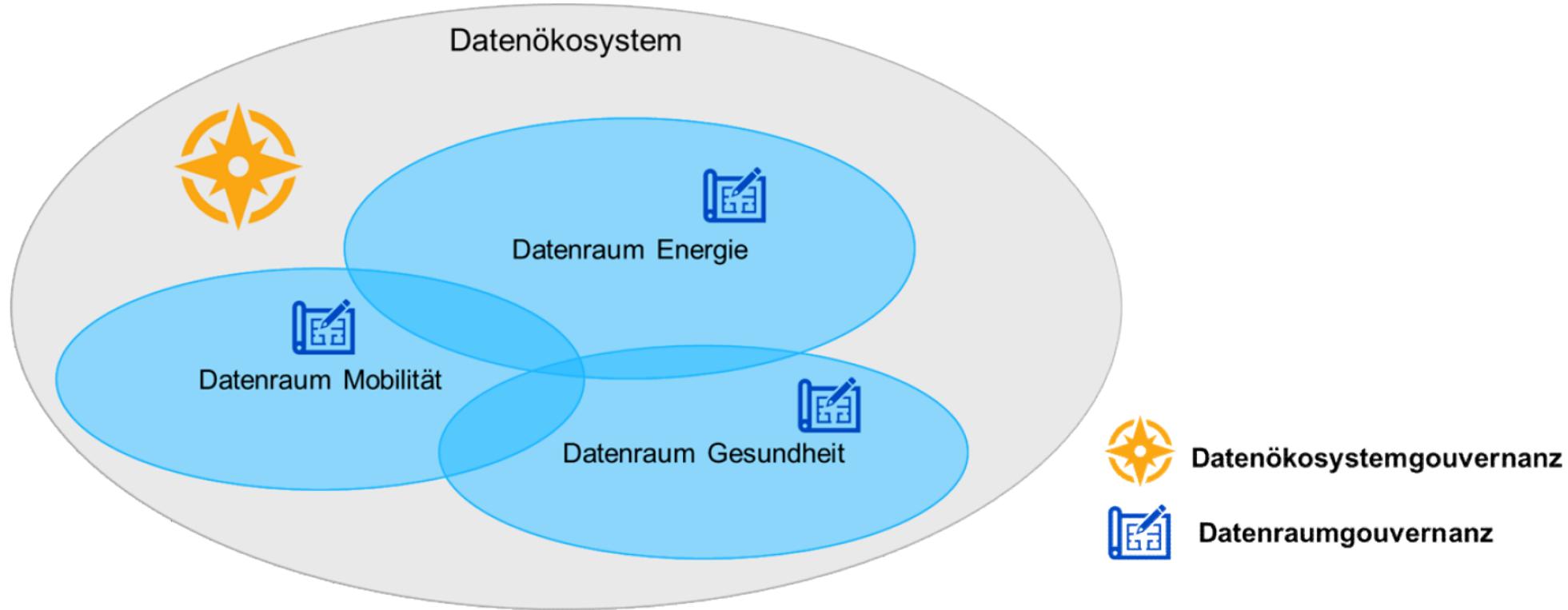
Datenökosystem-Teilnehmende

- Schweizer Verwaltungsstellen
- Unternehmen

- Dritte: Wissenschaft, Medien, zivilgesellschaftliche Akteure etc.



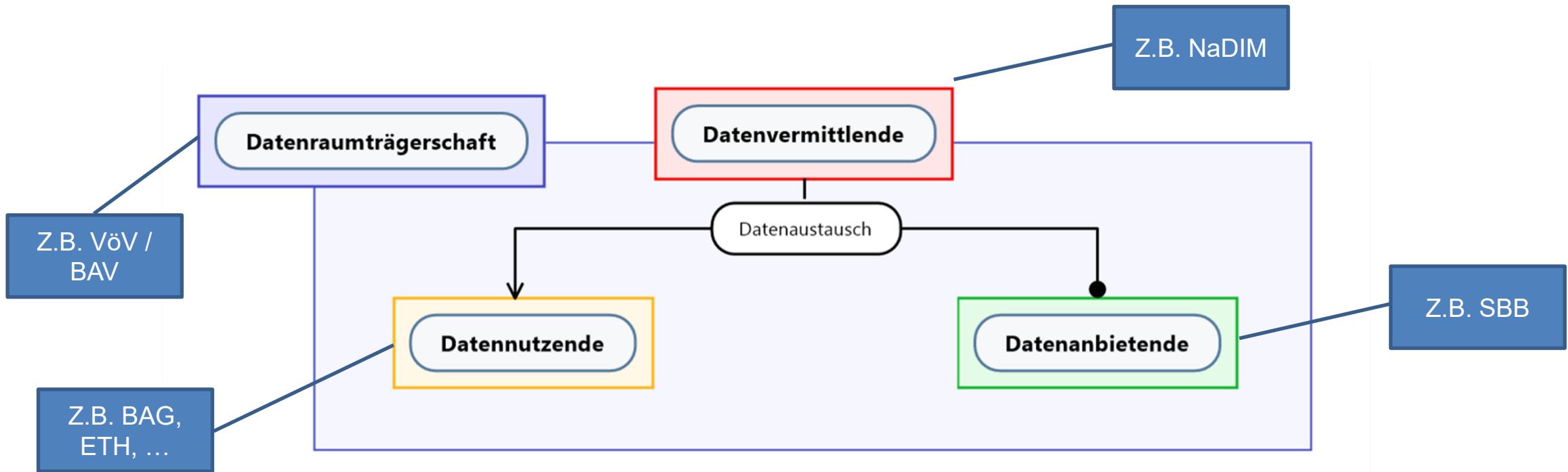
Governance overview





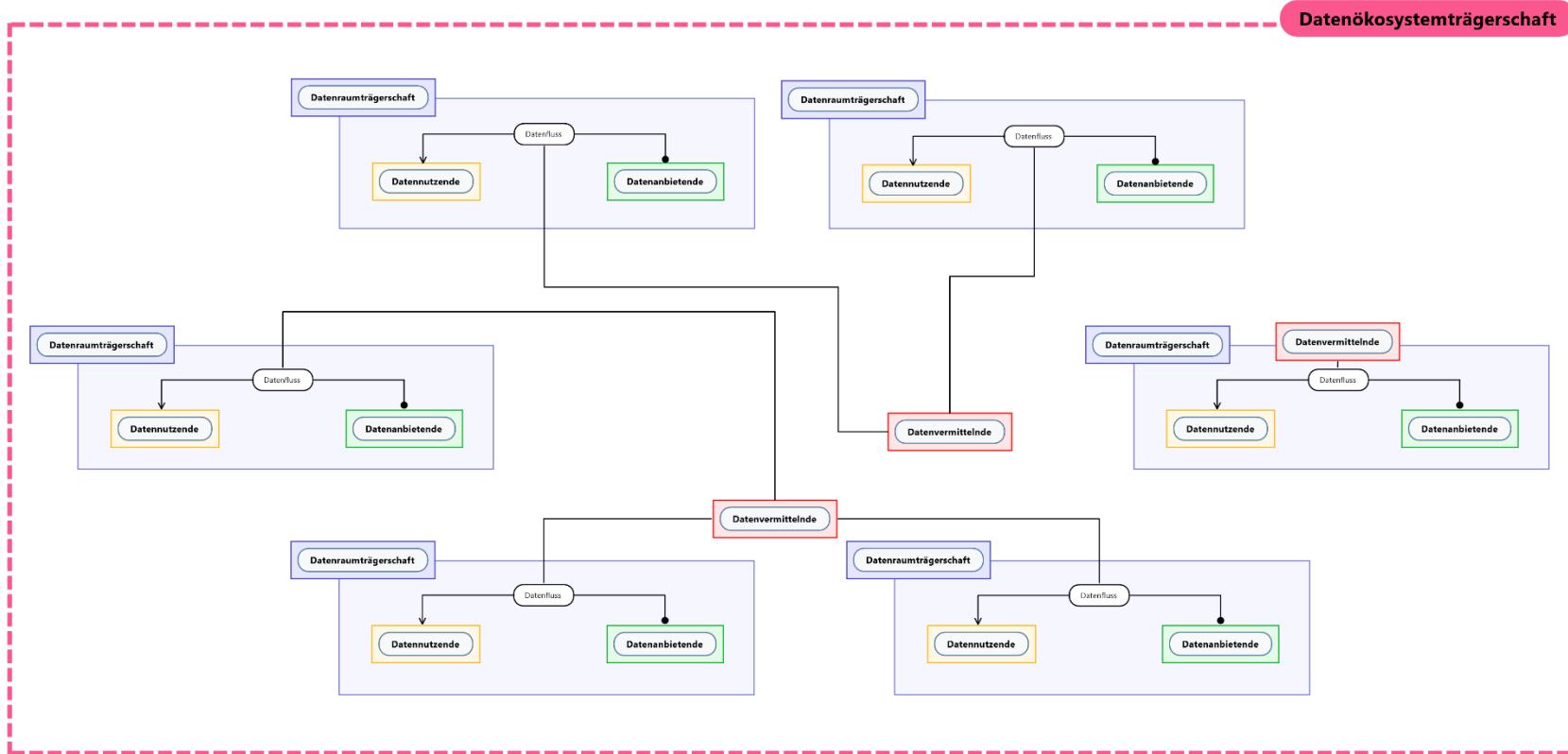
Governance – Roles in the data space

The governance of the data space is the responsibility of the data space operator (Datenraumträgerschaft).





Governance – Roles in the data ecosystem



- A participant can take on one or more roles.
- A participant can be active across data spaces.



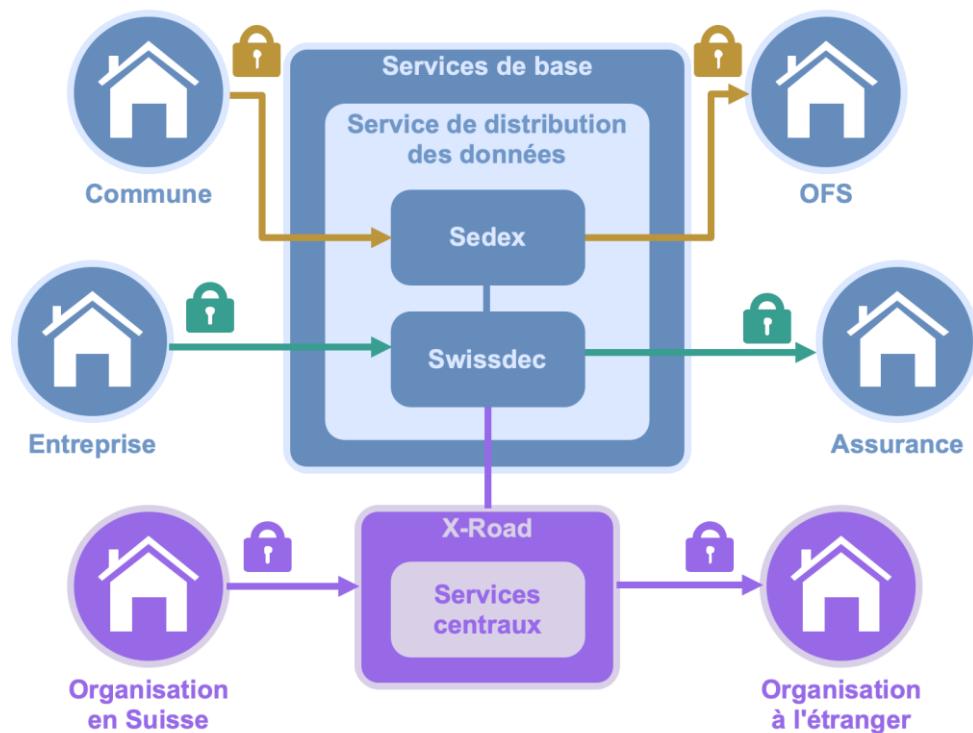
Sounds interesting, but how do we implement this data ecosystem?



Basic service prototype: Provision of data

Fictional example

The transport and delivery of data inside or outside a data space must be designed to ensure security, reliability, quality of service and interoperability. To ensure the success of the data ecosystem, such a service must be one of the basic services.



- Security: Protect data from attacks, data loss and data leaks.
- Reliability: Guarantees secure and error-free data transmission.
- Quality of service: ensuring minimum latency and availability.
- Interoperability: Use of standard protocols to enable communication between different systems and applications (Sedex, Swissdec, X-Road).



What does this mean for you?



Carry on!

- opendata.swiss
- [Energy Data Hackdays 2023 – Opendata.ch](https://energydata.opendata.ch)

We are happy to help you:

- [Schnittstellen / API \(admin.ch\)](#)
- [I14Y-API-Verzeichnis \(admin.ch\)](#)

But don't forget:

1. Data (even non-open data) has a value for society.
2. Even if you do not want to or cannot make all data publicly accessible, make sure that the data is accessible (taking into account the appropriate security measures) - form data rooms where it makes sense.
3. Data rooms only help digitization if they are interoperable.



I've lost track, what exactly does the federal government do?



Overview

- National and International Data Governance
- Legal considerations on the establishment and operation of data spaces/data ecosystem and the secondary use of data for public administration and beyond.
- Code of Conduct for Trusted Data Spaces
- Development of approaches for the interoperability of data rooms
- Examination of necessary infrastructure



Questions?

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