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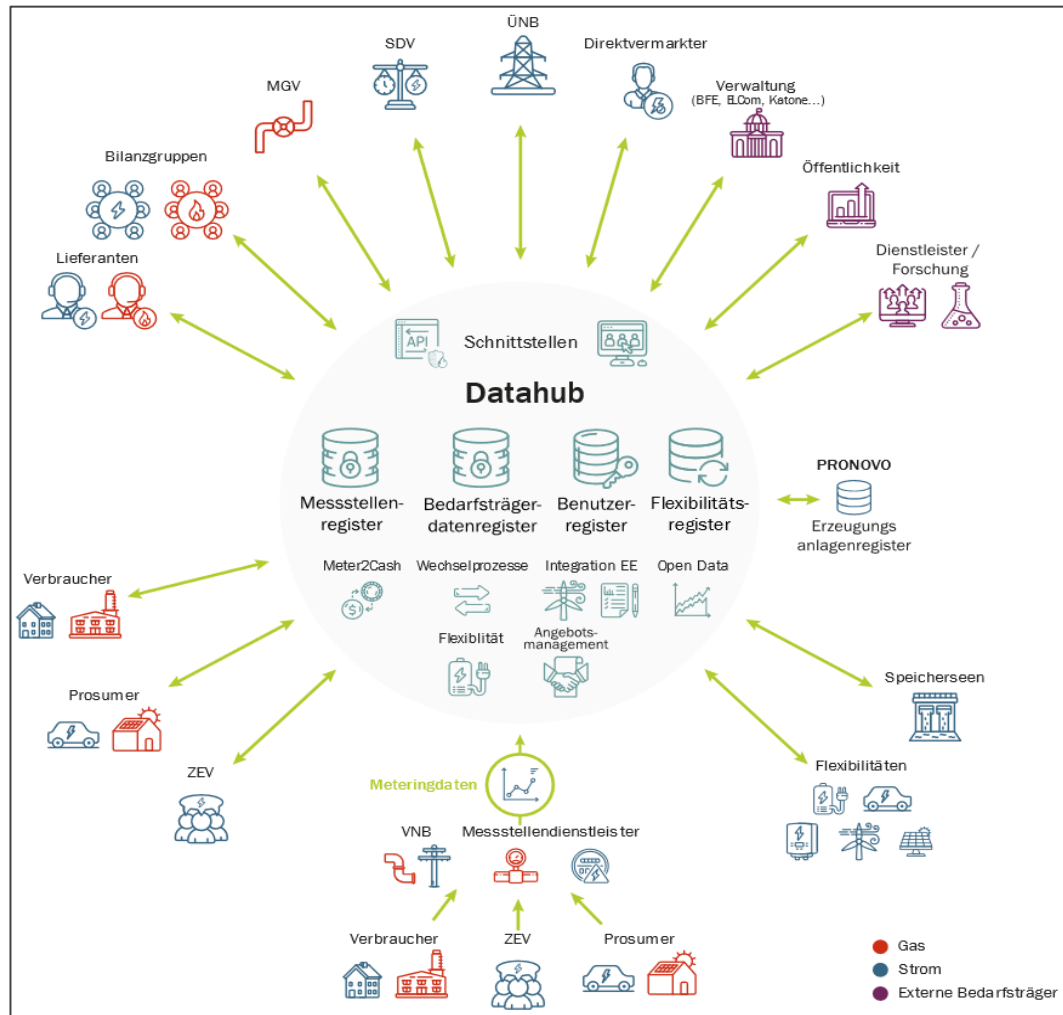# A NATIONAL DATA PLATFORM
WORKSHOP ON OPEN DATA & DATAHUB

AGENDA

- Impulse Presentation (10')

- Questions

- Workshop valuable data & barriers

WHAT THE DATAHUB IS DESIGNED FOR

→ **Centralised data & processes.** Master data & aggregated data for statistics / open data. Processes for service provider changes and data quality.

→ **Digital networking** of decentralised data silos (DSO, MDL, Pronovo, balance groups, reservoir).

→ **Data quality & process analysis** as a basis for regulatory service spectrum or specifications.

→ **Data portability and third-party access.** Enabled for authorised service providers (RUs & others) and interested parties. Making new data products available (Open Energy Data).

→ **Other energy contracts (gas).** Data hub gas possible via data hub electricity. Separate solution shows slightly negative cost-benefit ratio.

DATAHUB TIMELINE

- Several reports show the positive value of a data infrastructure for innovation and the Energy Strategy 2050.

- Processes must be easily automated and the connection of new market players significantly simplified with few, standardized interfaces.

- A datahub offers advantages also without complete market liberalization.

- Trend towards "Datahub Light": Routing of metering data and provision of master data, registers and provision of value-added functions such as aggregated metering data.

~2027
Running system with first measuring points

~2025
Enactment of the Ordinance

August 2021
Report: Data Infrastructure Design

March 2020
Report: Paving the way for Energy Strategy 2050

October 2018
Report: Regulatory call for action

OPEN DATA

- «I believe that we must make much better use of the great opportunities offered by digital technologies, which know no borders.» – Jean-Claude Juncker (2014)

- Estimated market value of open data in 2020: 75.7 bn. EUR.

- Open data strategy helps companies with digital transformation.

Analytical Report 1: Digital Transformation and Open Data

Source: European Union –
«Digital Transformation and Open Data»

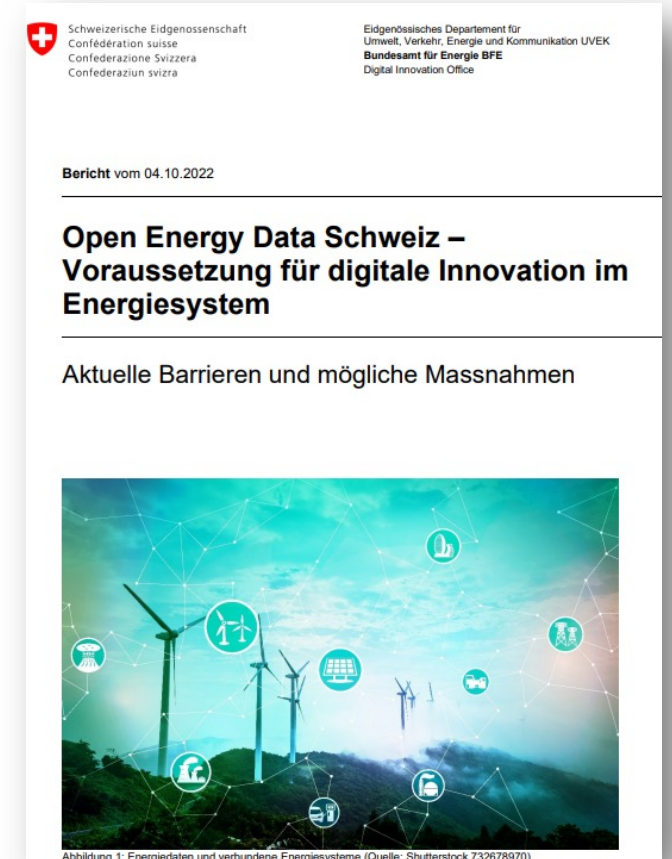| Data Domain	Description
Geospatial data	Postcodes, national and local maps (cadastral, topographic, marine, administrative boundaries, etc.)
Earth observation and Environment	Space and in situ data (monitoring of weather, land and water quality, energy consumption, emission levels, etc.)
Transport Data	Public transport timetables (all modes of transport) at national, regional and local levels, road works, traffic information, etc.
Statistics	National, regional and local statistical data with main demographic and economic indicators (GDP, age, health, unemployment, income, education, etc
Companies	Company and business registers (lists of registered companies, ownership and management data, registration identifiers, balance sheets, etc.)

OPEN DATA OPPORTUNITIES

- Look into the opportunities of Digital Transformation Models

- Start using Open Data as a resource from any sector, not solely your own

- Open Data provides a large opportunity to drive Digital Transformation, but the chances of success are higher with an integral strategy.

- Start small. Start re-using Open Data before picking up a Big Data challenge.
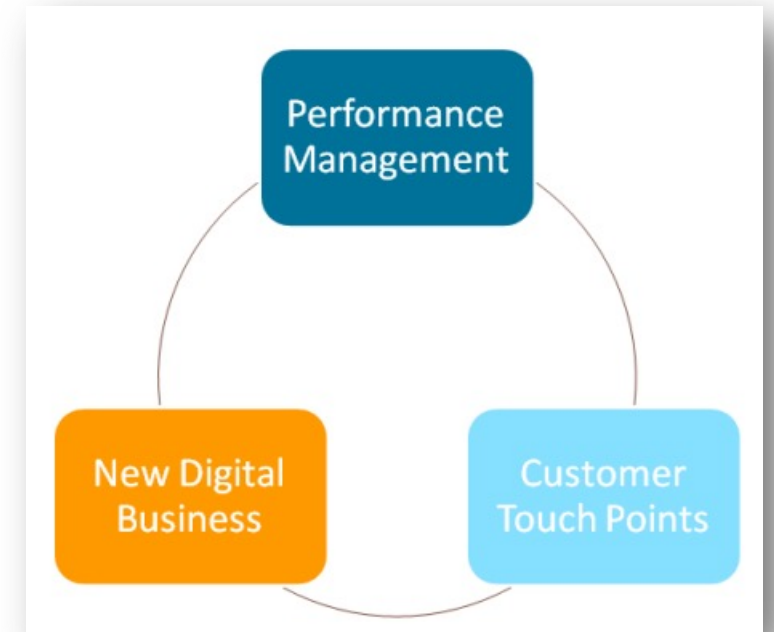
OPEN DATA BARRIERS

- Unclear or perceived lack of a legal framework

- Lack of a legal mandate

- Unclear or delegated responsibilities

- Diffuse fears of e.g data protection and disclosing business secrets.

- Low prioritization on the part of data providers

- Fears of too much manual effort due to companies' lack of digital maturity

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Eidgenössisches Departement für
Umwelt, Verkehr, Energie und Kommunikation UVEK
Bundesamt für Energie BFE
Digital Innovation Office

Bericht vom 04.10.2022

Open Energy Data Schweiz – Voraussetzung für digitale Innovation im Energiesystem

Aktuelle Barrieren und mögliche Massnahmen

Abbildung 1: Energiedaten und verbundene Energiesysteme (Quelle: Shutterstock 732678970).

WORKSHOP

- **Which open data would be particularly valuable to you if it were simply available?**

  Try to be as specific as possible. Instead of "energy prices" use e.g "power tariffs for end users per municipality"

- **What are the current barriers to obtain this data?**

- **Try to use a category for your use case:**

  - Performance Management

  - New Digital Business

  - Customer Touch Points

  - Other

EXAMPLES

Data	Barriers	Category
Geographical extent of DSOs	• Not available. • Distributed heterogeneous data	Other
Electricity production or grid feed-in and electricity consumption	Inaccurate and only available with a long delay. Data protection concerns.	Performance Management / new digital business
Installed (controllable) capacities of new renewable energies	Inaccurate and available with delay.	Performance Management / new digital business