

Mapping the Impact of OGD – OGD Masterplan

Workshop Opendata.ch/2023 Forum

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Agenda

1. Intro and Goals
2. Impact and Intermediaries:...
3. ...who are they...
4. ...and how can we support them?

OGD Office by FSO

- Coordinates the implementation of the OGD Strategy Switzerland 2019-2023 in close cooperation with the Federal Department of Home Affairs (FDHA) and prepares the successor strategy.
- The aim of the strategy is to make open and freely usable administrative data available to the public and to anchor the legal framework (EMBAG).
- Operates the opendata.swiss portal for OGD from the Confederation, cantons, municipalities and third parties and ensures the visibility of Swiss OGD on data.europa.eu.
- Takes on tasks in knowledge development and community building

Landscape opendata.swiss

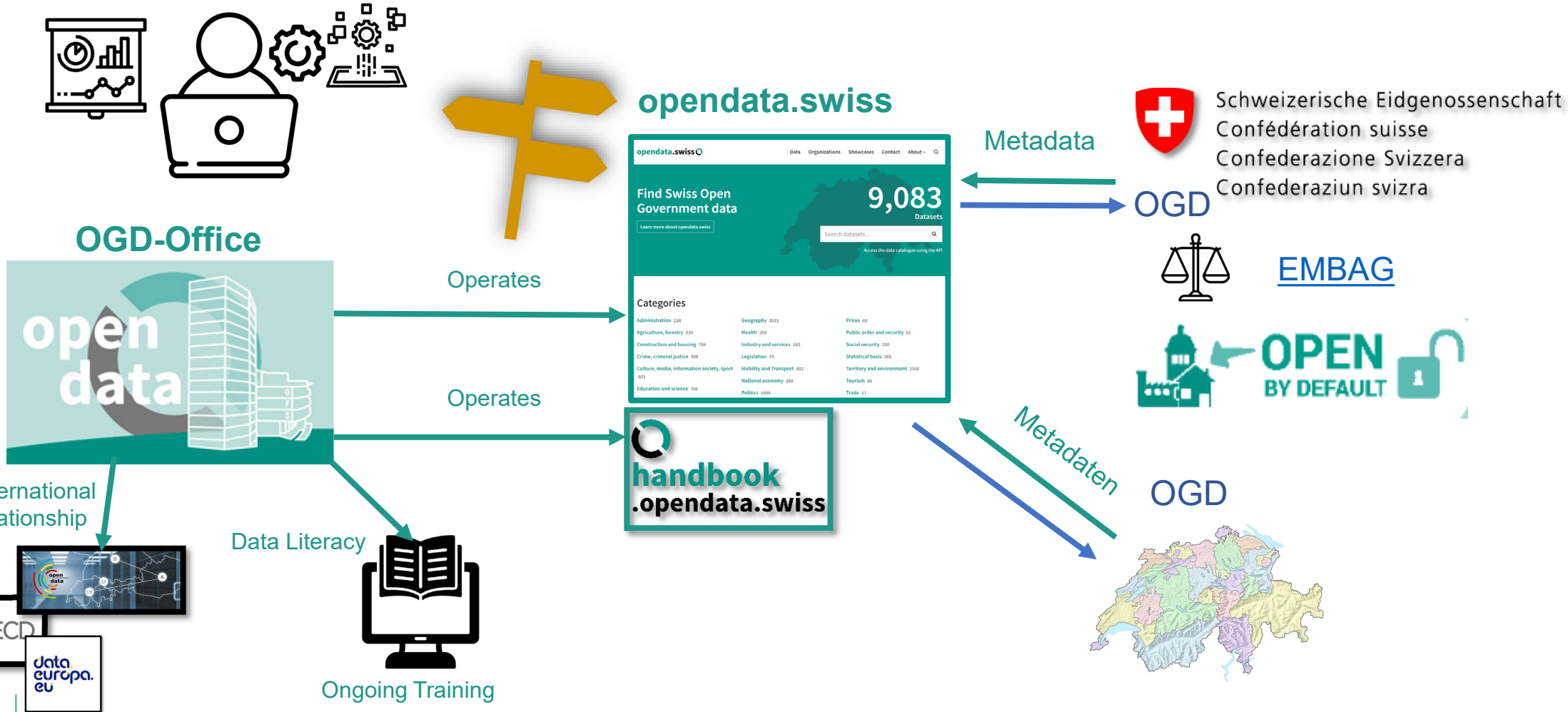
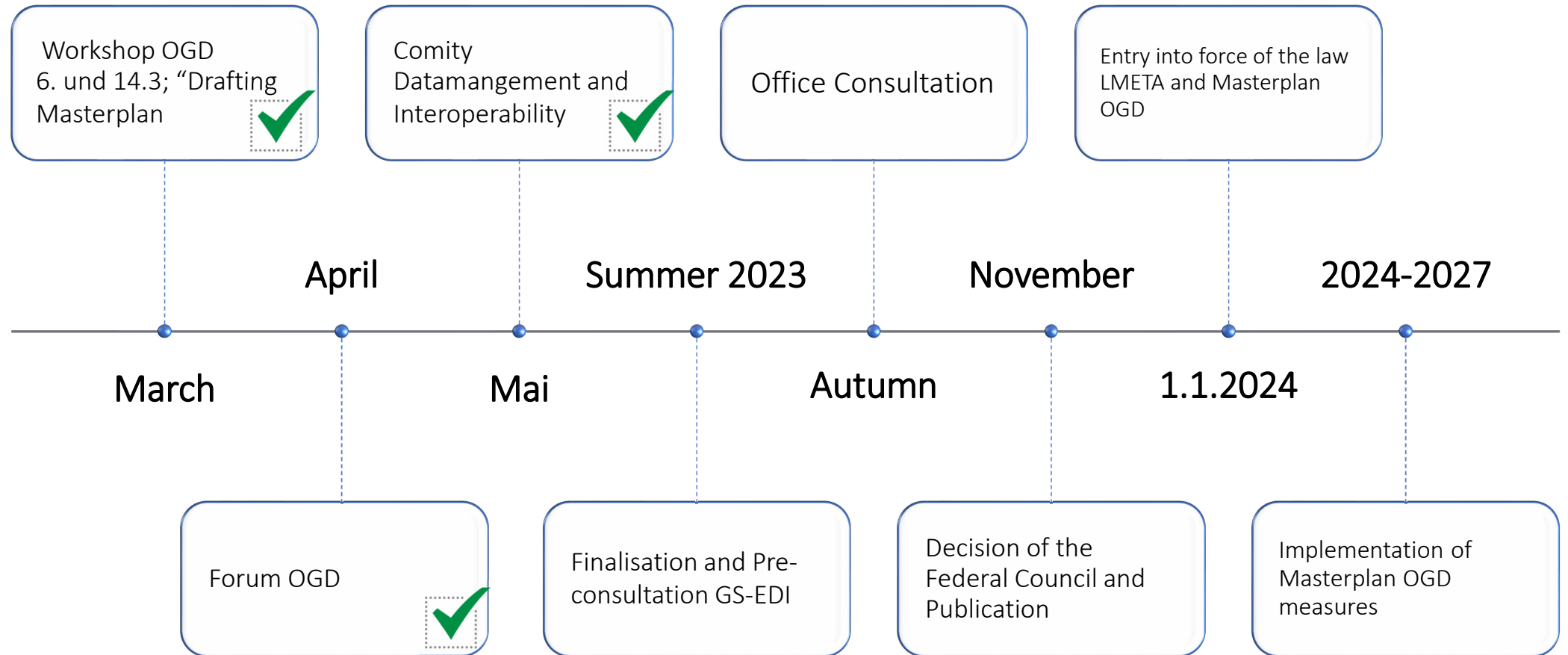


Image source

<https://www.bfs.admin.ch/bfs/de/home/statistiken/regionalstatistik/regionale-portraits-kennzahlen.html>

<https://www.flaticon.com/>

Masterplan OGD: Planification 2023



Orientations and objectives

Exchange

An OGD culture is established within the administration.

The needs of OGD users are taken into account and integrated.

The impact of OGD is regularly measured and communicated.

Data provider

OGD are published in a coordinated way in accordance with the law (LMETA)

Data user

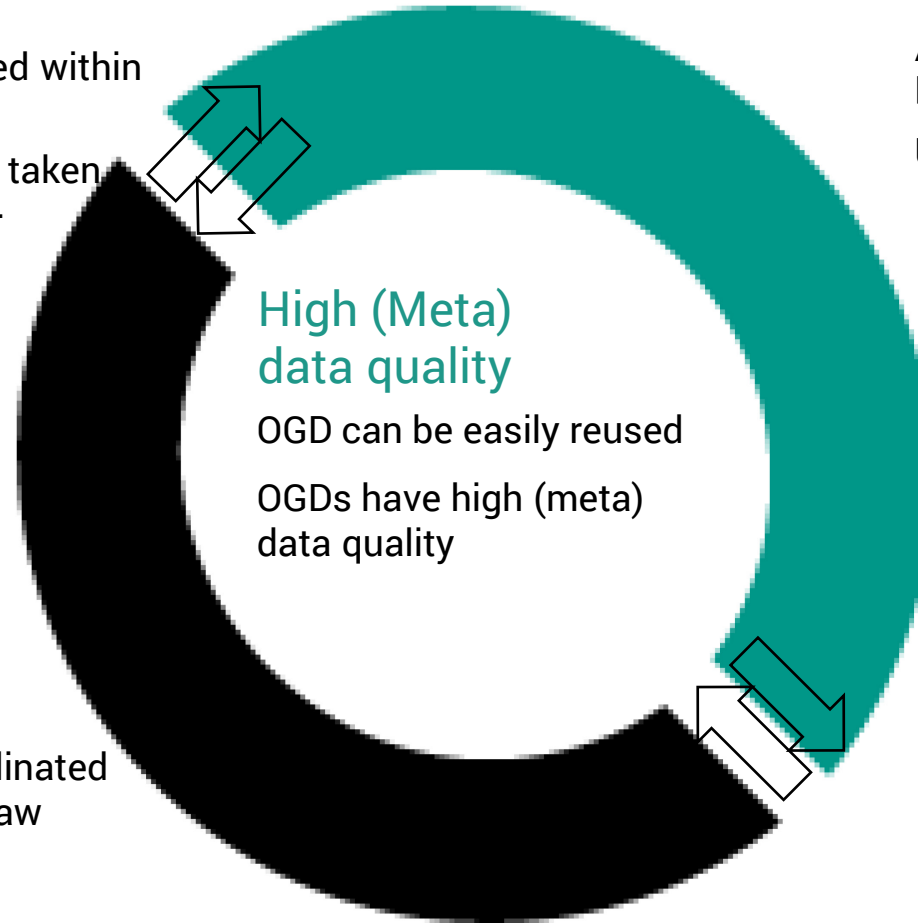
A central source of information on the publication of OGDs exists.

Users can easily find available OGDs

Synergy

OGDs are integrated into the Swiss data ecosystem.

The processes required for the OGD are established in the federal administration

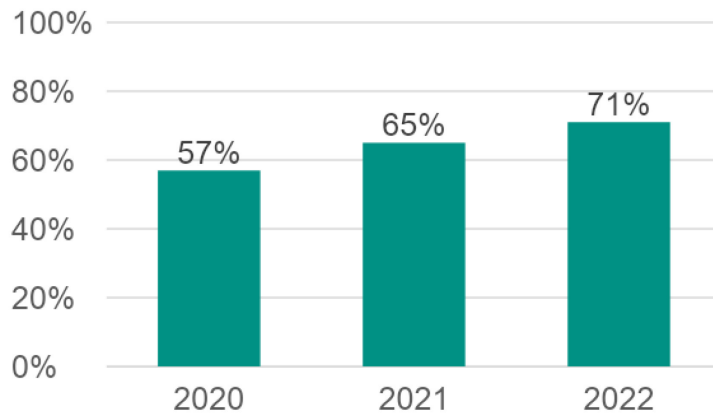


Goals

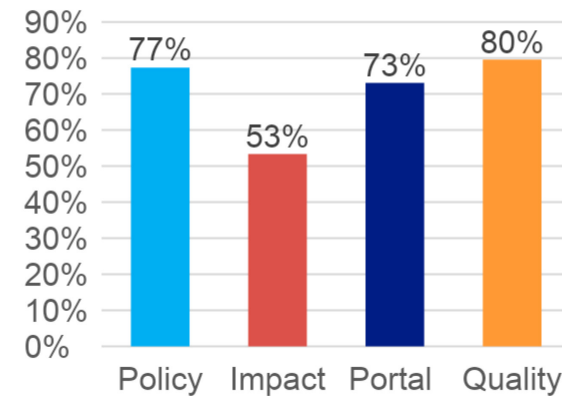
How to demonstrate the impact of OGD in Switzerland?

How to identify and find out about intermediaries?

How can we better supply them with open data or support them in other ways?



Open data maturity score of Switzerland between 2020-2022



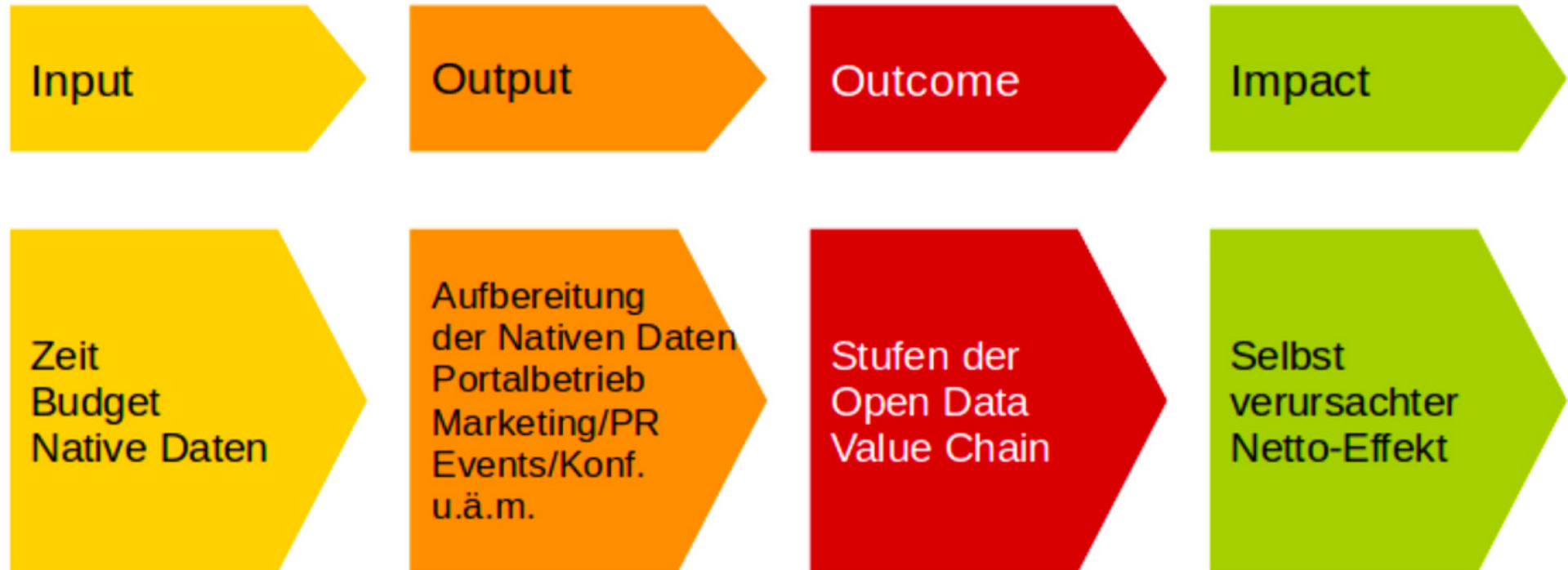
Score per dimension for Switzerland

Theory of Change: Social Return on Investment (SROI)



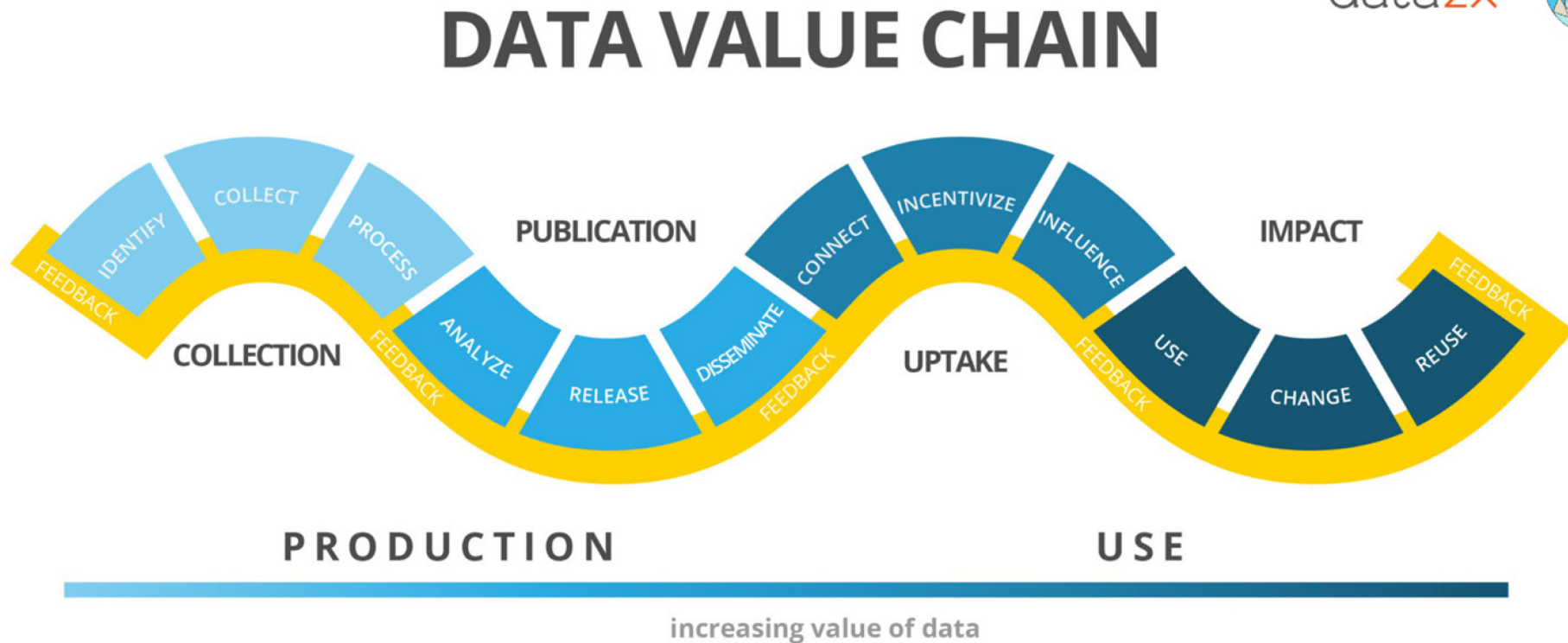
Source: [Dapp/Stürmer – Ein Impact Monitoring Framework für Open Government Data \(April 2015\)](#)

Impact of Open Government Data (SROI)



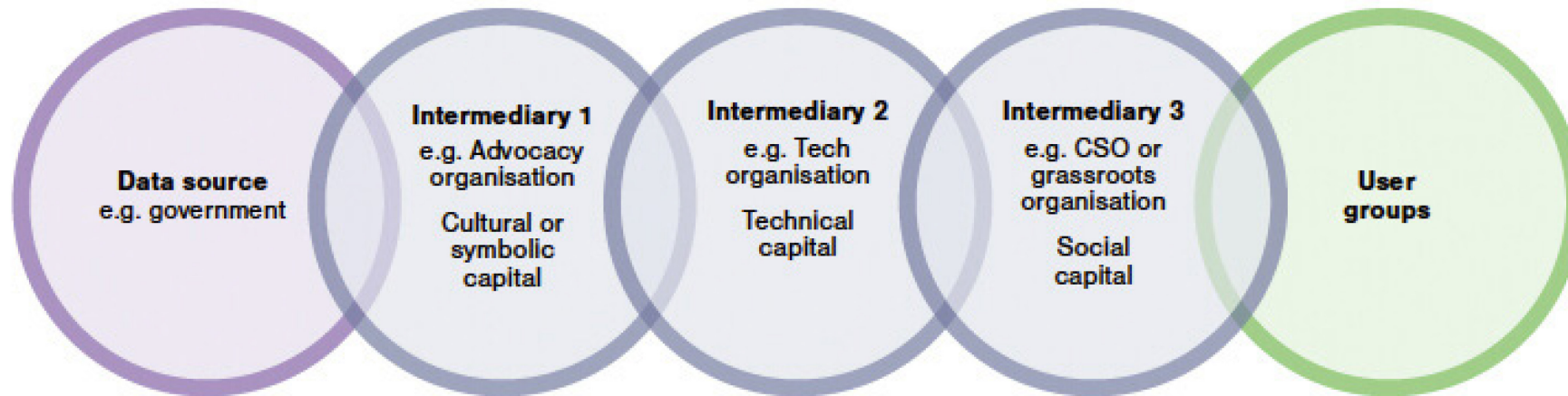
Source: [Dapp/Stürmer – Ein Impact Monitoring Framework für Open Government Data \(April 2015\)](#)

Creating Value with (Open) Government Data



(Open) Data Intermediaries

Organizations, projects, people in the data value chain connecting a data source with (data product/service) end users



Source: [Open Data Intermediaries in Developing Countries](#)

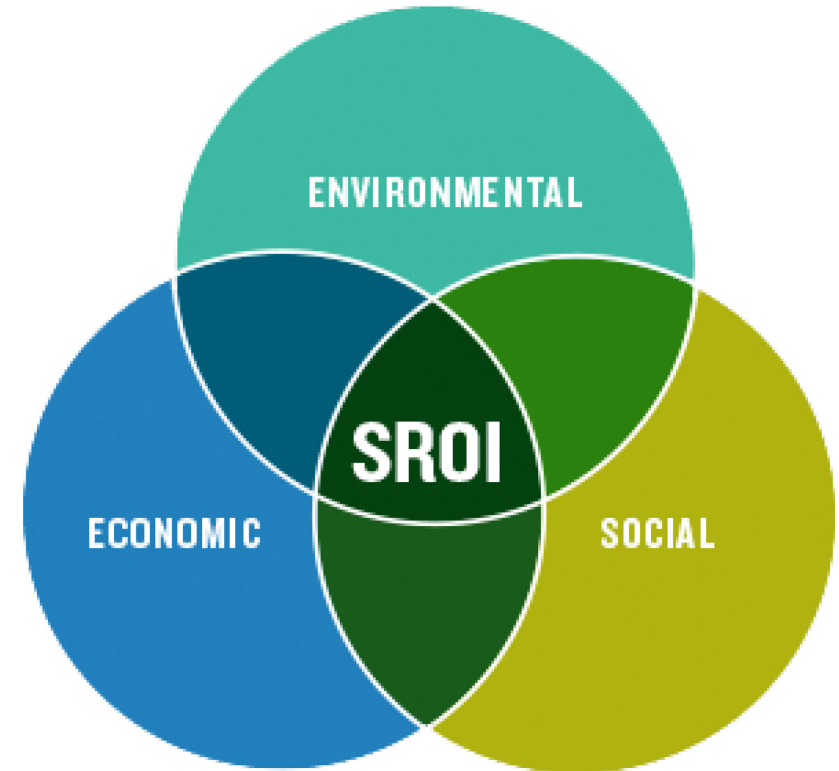
Domains of Impact



Source: <https://ruralsenses.com/social-return-on-investment-sroi/>

(Open) Data Intermediaries

Who are the **current** and **potential** intermediaries who use data to produce the outcome (data products, data services,...)



Source: <https://ruralsenses.com/social-return-on-investment-sroi/>

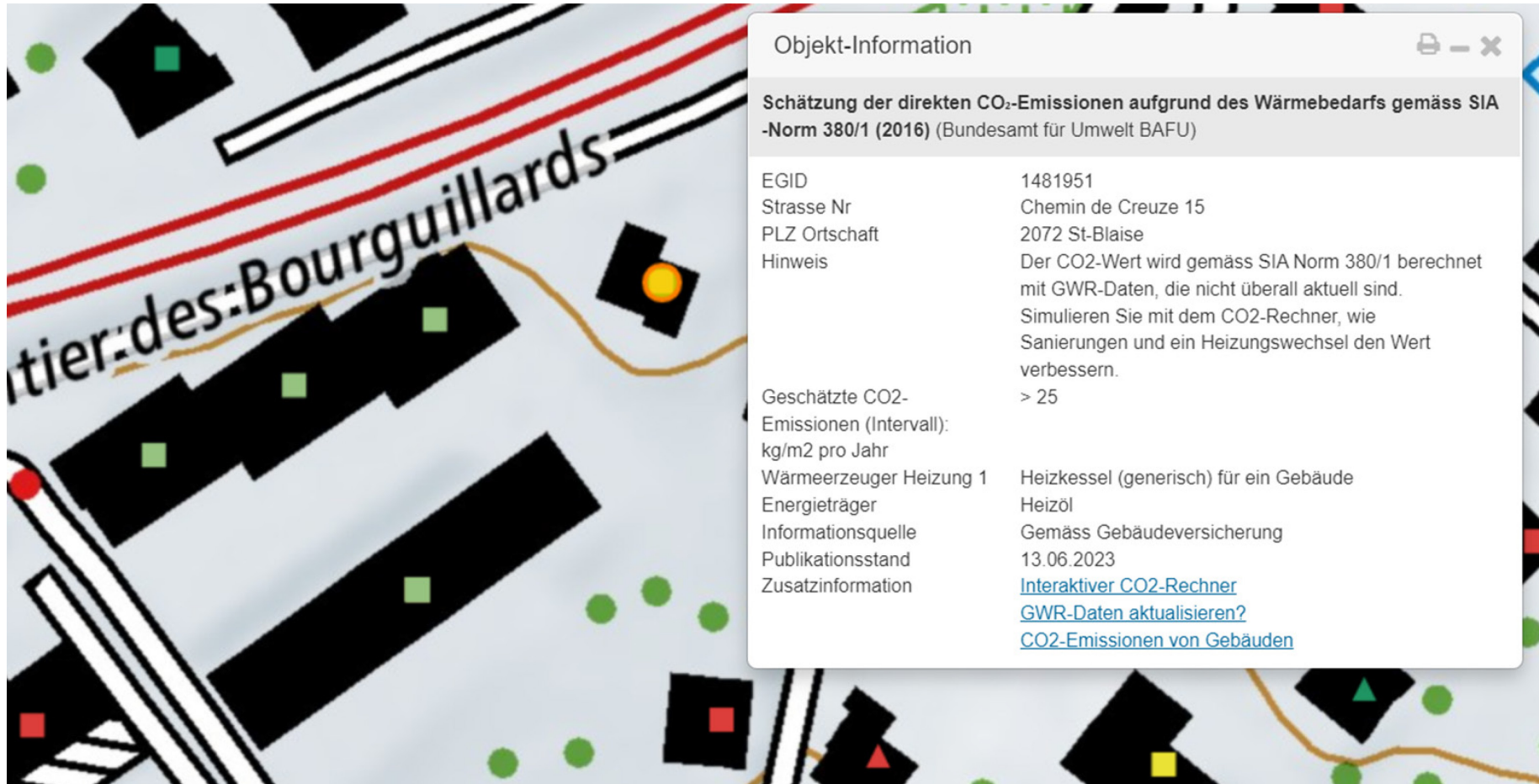
Environmental Impact (example)

Interactive CO2 calculator on the federal government's geoportal

Climate and energy-relevant information for all Swiss residential buildings can be seen on the federal government's geoportal. It is possible to estimate for all buildings how much CO2 is emitted under standard conditions. This creates transparency around climate and energy policy in the buildings sector and contributes to achieving Swiss climate targets.

[CO2 calculator for buildings \(admin.ch\)](#)

CO2 calculator for buildings (map)



Legend: Estimated CO₂ emissions for standard conditions kg/m² heated area / year (triangle symbol: heating update date >20 years)
Source: map.geo.admin.ch

CO2 calculator for buildings

EGID 1481951

6459 Saint-Blaise (NE)

Vorhandene GWR-Daten

354

beheizte Fläche/
Energiebezugsfläche (m2)

1946

Baujahr

3

Anzahl Geschosse

Gebäude mit einer Wohnung

Nutzung

Heizöl

Energie-/Wärmequelle
Heizung

Sanierungsdaten, die im GWR nicht verfügbar sind und die Ergebnisse beeinflussen können

Sanierungsjahr Fassade

2014

Sanierungsjahr Dach

2012

Sanierungsjahr Fenster

2023

Sanierungsjahr Boden/Keller

2012

Sanierungsjahr Brenner

Rechnen

Resultate

Ohne Sanierungen

235 kWh/m2 pro Jahr

Wärmebedarf pro Jahr und
Energiebezugsfläche

0.309 kg/kWh

CO2-Emissionsfaktor der
Wärmequelle gemäss
Treibhausgasinventar Schweiz

73 kg/m2 pro Jahr

CO2-Emissionen pro Jahr und pro
Energiebezugsfläche

25.7 t pro Jahr

Geschätzte CO2-Emissionen pro
Jahr



Mit Sanierungen

118 kWh/m2 pro Jahr

Wärmebedarf pro Jahr und
Energiebezugsfläche

0.288 kg/kWh

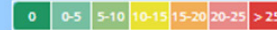
CO2-Emissionsfaktor der
Wärmequelle gemäss
Treibhausgasinventar Schweiz

34 kg/m2 pro Jahr

CO2-Emissionen pro Jahr und pro
Energiebezugsfläche

12 t pro Jahr

Geschätzte CO2-Emissionen pro
Jahr



Help update data in the
building and housing
register GWR

Source: Federal Office for the Environment

Economical Impact (examples)

Swisstopo

With its provision of geodata free of charge, swisstopo has paved the way for **new business models** and shown how the administration could function in the future.

[Paving the way towards a modern administration - swisstopo](#)

Population and houses growth in Switzerland

Study to correlate the prices of the house in francs/m² and correlating them with population. The data used is provided by opendata.swiss and the information of this paper is free of charge.

<https://opendata.swiss/showcase/population-and-houses-growth-in-switzerland>

Social Impact (examples)

Organisation of a hackathon with this topic, for example **Hack4SocialGood 2023** - How Open Data can work in the welfare sector

<https://www.societybyte.swiss/en/2023/05/03/open-data-im-sozialwesen-geht-das/>

Providing a **special page on Ukraine**, which answers various questions from users in connection with the conflict in Ukraine

<https://www.bfs.admin.ch/bfs/de/home/aktuell/im-brennpunkt/ukraine.html>

Support

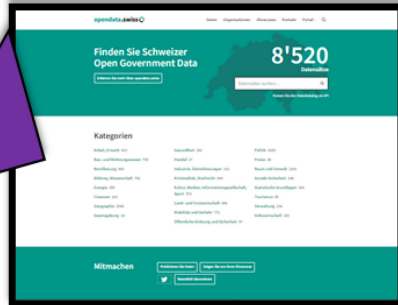
How can we better supply the intermediaries with open data or support them in other ways?

Existing and potential Channels

- What are the **existing channels** you already use to communicate with intermediaries?
- What **ideas** do you have for new channels?

Take-home message

Publish



Twitter: [@opendataswiss](https://twitter.com/opendataswiss)
LinkedIn: [opendata-swiss](https://www.linkedin.com/company/opendata-swiss)
NewsMail: [newsletter](mailto:newsletter@opendata.ch)

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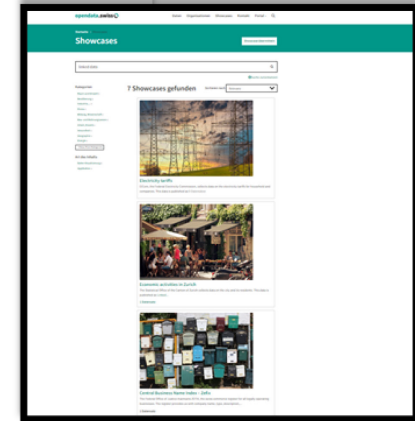
5 ❤️ Promotion Scheme of Open Data

- ❤️ ❤️ ❤️ ❤️ ❤️ Talk about open data
- ❤️ ❤️ ❤️ ❤️ ❤️ Continuously engage with open data users
- ❤️ ❤️ ❤️ ❤️ ❤️ Make your impediments transparent
- ❤️ ❤️ ❤️ ❤️ ❤️ Share best practices and tools
- ❤️ ❤️ ❤️ ❤️ ❤️ Embrace your local open data ecosystem

Andreas Amsler, 2014

Participate

Hackathons
Open Data Beer
Workshops



Showcase

Any Questions?



opendata.swiss



Digitale Verwaltung Schweiz
Administration numérique suisse
Amministrazione digitale Svizzera

Contact opendata@bfs.admin.ch

Portal opendata.swiss

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