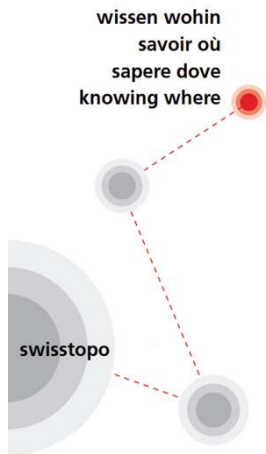




Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Office of Topography swisstopo



geocat.ch
the swiss geographic catalogue

Discovering geodata in Switzerland: the geocat.ch portal

Dr. Raphaëlle Arnaud

EuroGeographics and EuroSDR Virtual Workshop on
Geodata Discovery

2024.01.16

- The Swiss Geoinformation **Strategy**
- **Geometadata** are essential for making data more accessible
- The Swiss geographic **catalogue** (geocat.ch): a simplified UI

The Swiss Geoinformation Strategy

Strategie Geoinformation Schweiz
Stratégie suisse pour la géoinformation



Together with all stakeholders (Confederation, cantons, municipalities, ...), the «Swiss Geoinformation Strategy» aims:

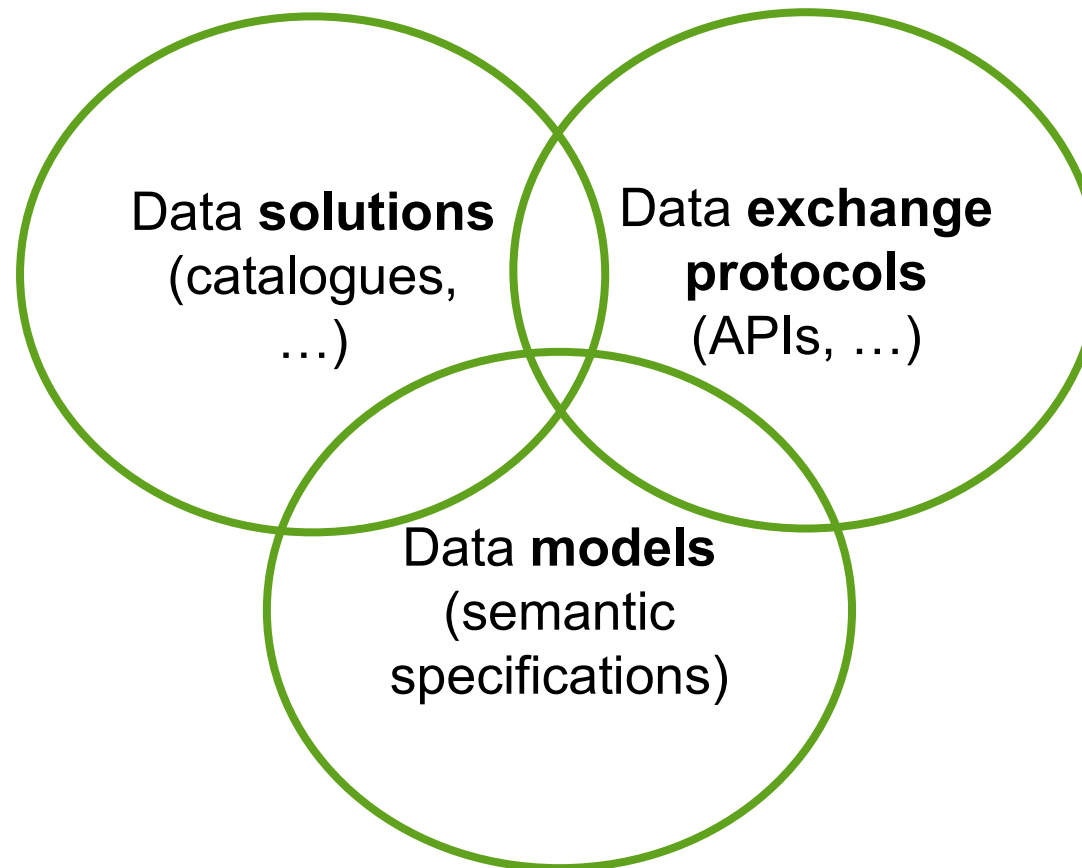
- to make **reliable, detailed, up-to-date and interoperable geoinformation accessible**

It should be made available to all users in a **simple, interlinked manner and, where appropriate, in real time**

<https://www.geo.admin.ch/en/strategy-and-implementation>

Source: Action Plan 2024, 2024.01.10

How to make data more accessible?



Strategie Geoinformation Schweiz
Stratégie suisse pour la géoinformation



Partial objective 2.3 aims

- to ensure **standardized documentation** of data using **metadata** (since 2007 in the Geoinformation Act)

This includes

- 2-24-03: Development of the new metadata standard **eCH-0271**
- 2-24-04: Improve the comprehensibility and **user-friendliness of the geocat.ch (Swiss geographic catalogue) search interface**

Source: Action Plan 2024, 2024.01.10

Geometadata are essential for making data more accessible

How to make data more accessible?

➤ With high-quality and standardized geometadata

Metadata vary according to domain and legislation

- General (for ex.: title)
- Domain specifics (for ex.: «geo» – spatial representation)
- Legislation specifics (for ex.: «basic geodata» in Switzerland)

For high-quality geometadata

- Once-only principle
- FAIR data principle (Findable, Accessible, Interoperable, Reusable)
- Standardized geometadata
- Long-term management and maintenance

Geometadata are essential for making data more accessible

eCH 0271 New Swiss profile for geometadata

- Under development
- Revision of Swiss metadata standard GM03 from 2005
- Based on ISO 19115 («geo» domain)
- Swiss specificities (extensions)
- Updated to current standards

Objectives

- Simplify
- Complete
- Continue to ensure interoperability according to current standards (incl. bridge between the geo and open data domains; DCAT, DCAT-AP, ...; opendata.swiss, opendata, ...)

The Swiss geographic catalogue: a simplified UI

How to make data more accessible?

➤ **With simplifying geometadata-based searches**

- General search (SEO configuration, ...)
- New UI (user interface) for the swiss geographic catalogue geocat.ch

The Swiss geographic catalogue: a simplified UI

www.geocat.ch

the **Swiss** geometadata catalogue

the **central** access point for geodata searches in Switzerland

- administrative data (national, cantonal, communal level)
- not administrative data (private, ...)

geocat.ch must meet the requirements of

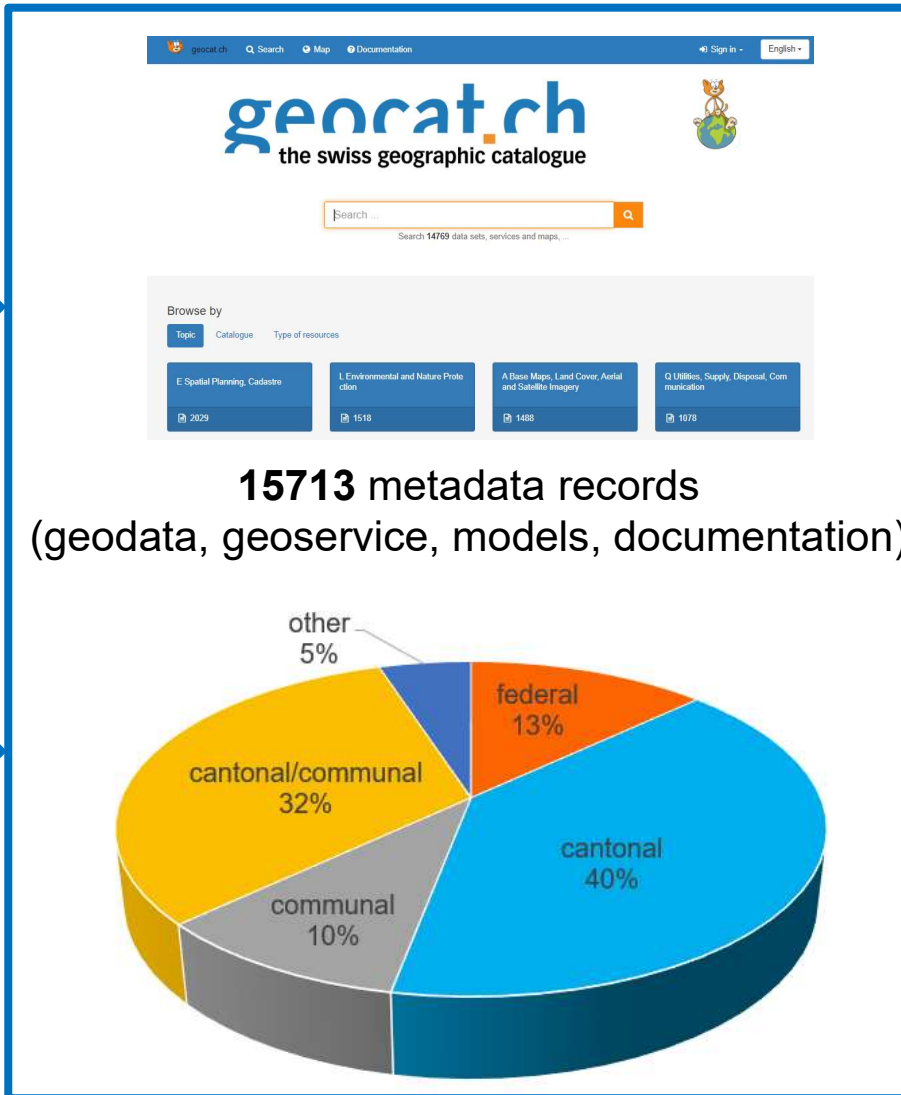
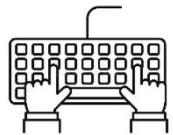
- **multilingualism**
- **interoperability** with different platforms
- different **partners**

geocat.ch must comply with the "**once only**" principle



The Swiss geographic catalogue: a simplified UI

6090
metadata
from direct
partners



federal map portal
(map.geo.admin.ch)

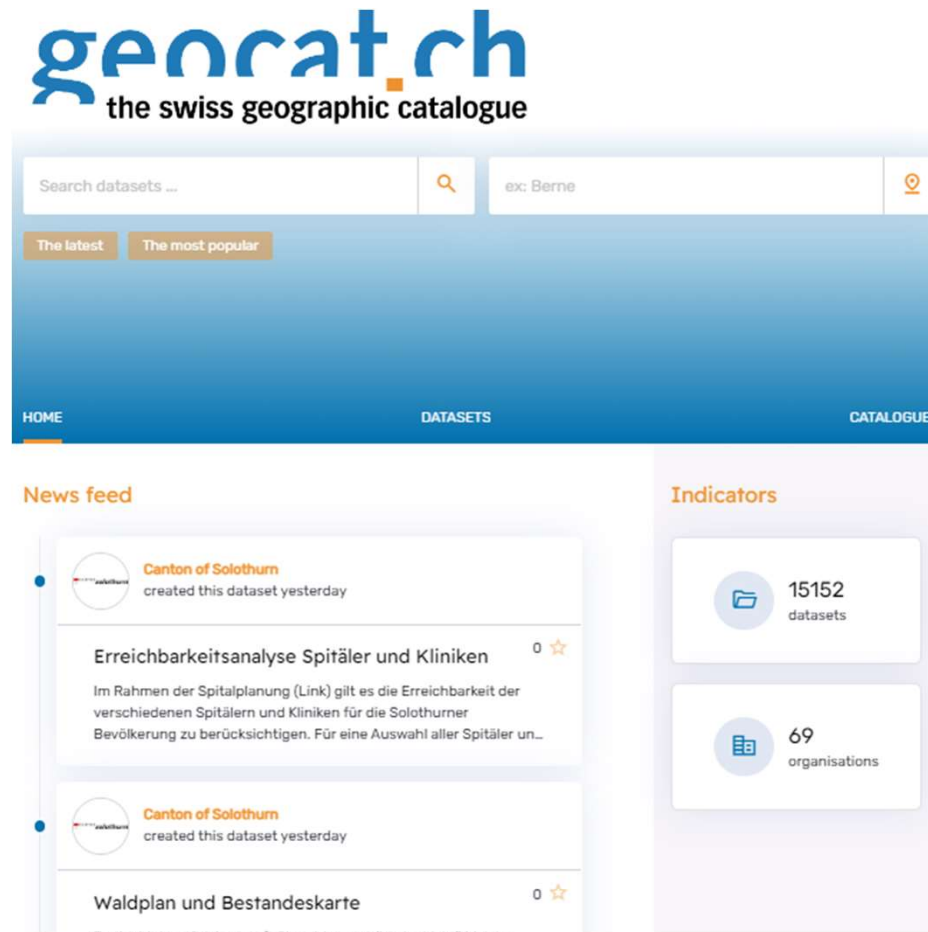
opendata.swiss portal

INSPIRE geoportal

status at 15.01.2024

9623
metadata
from
harvesting
partners

The Swiss geographic catalogue: a simplified UI



The screenshot displays the geocat.ch website interface. At the top, the logo "geocat.ch the swiss geographic catalogue" is visible. Below the logo is a search bar with the placeholder text "Search datasets ..." and a search icon. To the right of the search bar, there is a location input field with the text "ex: Berne" and a location pin icon. Below the search bar, there are two buttons: "The latest" and "The most popular". At the bottom of the page, there is a navigation bar with three tabs: "HOME", "DATASETS", and "CATALOGUES".

The main content area is divided into two columns. The left column is titled "News feed" and contains two news items. Each item features a profile picture of the "Canton of Solothurn" and the text "Canton of Solothurn created this dataset yesterday". The first item is titled "Erreichbarkeitsanalyse Spitäler und Kliniken" and includes a star icon and a count of "0". The second item is titled "Waldplan und Bestandeskarte" and also includes a star icon and a count of "0".

The right column is titled "Indicators" and contains two data cards. The first card shows a folder icon and the text "15152 datasets". The second card shows a calendar icon and the text "69 organisations".

<https://www.geocat.ch/datahub/news>



The Swiss geographic catalogue: a simplified UI

Geographical UAS zones of Switzerland

DESCRIPTION

PREVIEW

DOWNLOADS

LINKS

Description

A UAS geographical zone is a portion of airspace designated by the competent authority in which the operation of unmanned aircraft systems (UASs) is permitted, restricted or forbidden in order to take account of the risks to safety, privacy and personal data protection, security or the environment that are associated with UAS operations.

According to Articles 27 and 28 of the DETEC Ordinance on Special Category Aircraft (OSCA), the operation of unmanned aerial vehicles in the defined UAS areas is prohibited. Exceptions may be granted by the competent authorities (Art. 29 OSCA).

Likewise, the cantons may, on the basis of Article 34 OSCA, issue regulations for unmanned aerial vehicles with a weight of less than 25kg to reduce the impact on to the environment and the risk to persons and property on the ground.

Keywords

- aircraft
- opendata.swiss
- air navigation
- airspace
- fsdi federal spatial data infrastructure

About the data

Last Data Information Update	Data Update Status
23.11.2023 10:04:54	On going

Usage & constraints

Open Data Opendata BY: Open use. Must provide the source.
<https://www.admin.ch/gov/en/start/terms-and-conditions.html>

Details

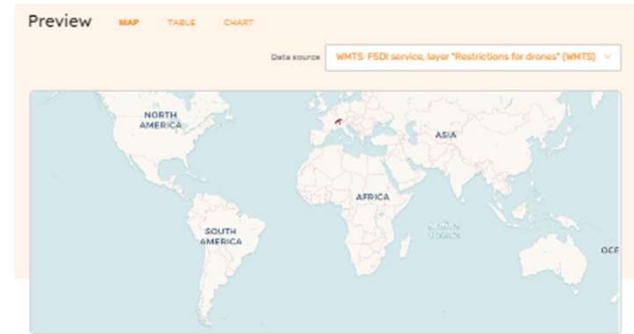
More information available from:
<https://www.geocat.ch/geonetwork/srv/eng/catalog.search#/metadata/c3ebd7ba-0fd5-411a-9074-3d0cdc46bc4d>

CONTACT

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<http://www.bazl.admin.ch/>

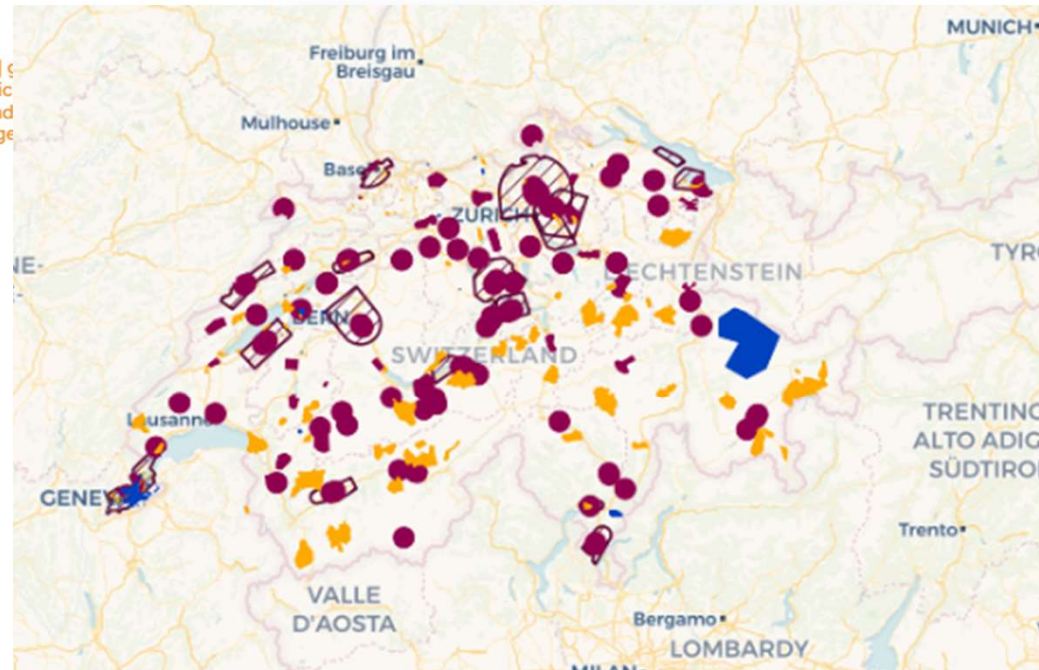
CATALOG

geocat.ch | geographic Switzerland geodata, ge models



Downloads

- All
- json
- shp
- Others



- ch.bazl.einschraenkungen -drohnen
- ch.bazl.einschraenkungen -drohnen

The Swiss geographic catalogue: a simplified UI

- **new geocat.ch search interface** goes live
- implementation of the **new Swiss standard for geometadata**
- improved **multilingual** search
- **validation** of harvested data
- New GeoNetwork **editor**
- improved integration of **Swiss platforms**
- ...



Thank you very much for your attention

Dr. Raphaëlle ARNAUD

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