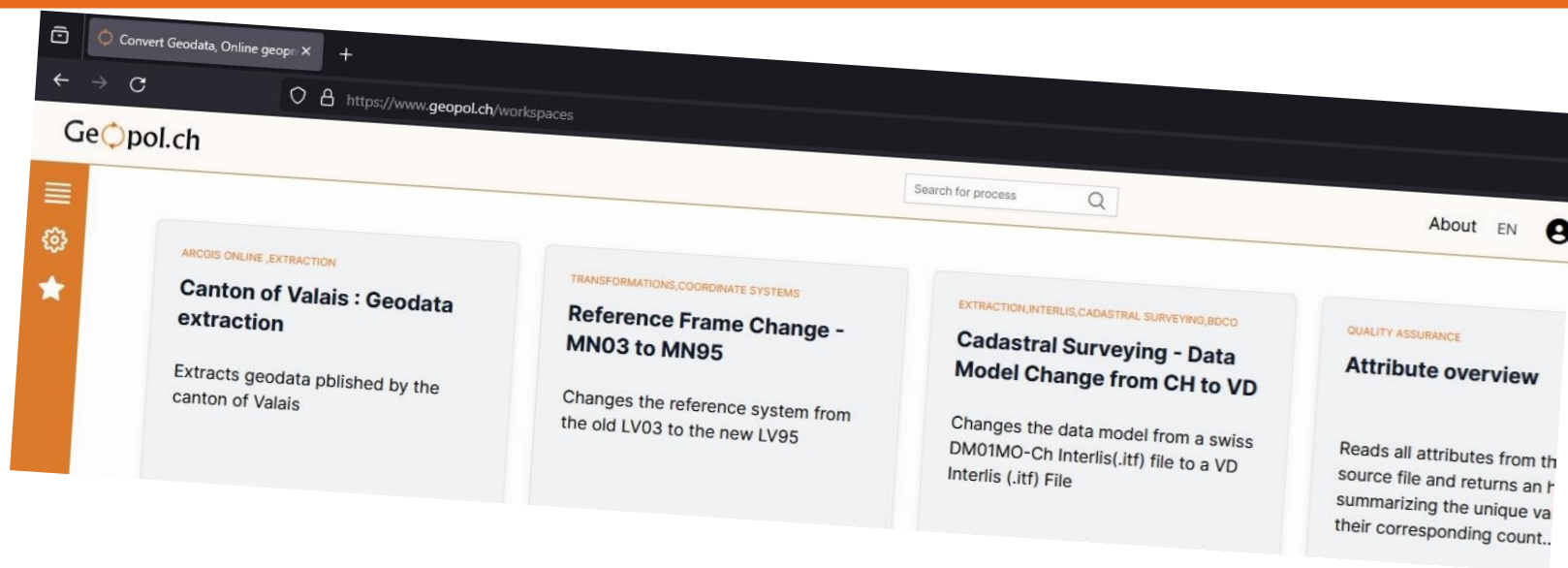




New Geopol.ch

► INSER SA - Ch. de Maillefer 36, 1052 Le Mont-sur-Lausanne, +41(0)21 643 77 11 - info@inser.ch

What's Geopol

Geopol = **FME Server** (*FME Flow Hosted*) in the Cloud

- is a web-server application that **leverages the power of FME Form**
- offers a secure and flexible solution to **automate workflows** through a web interface/browser
- can be used to run workspaces on a **schedule**, or as a **self-serve portal**
- ➔ offers a **Workspace as a Service**

The idea of Geopol.ch is to

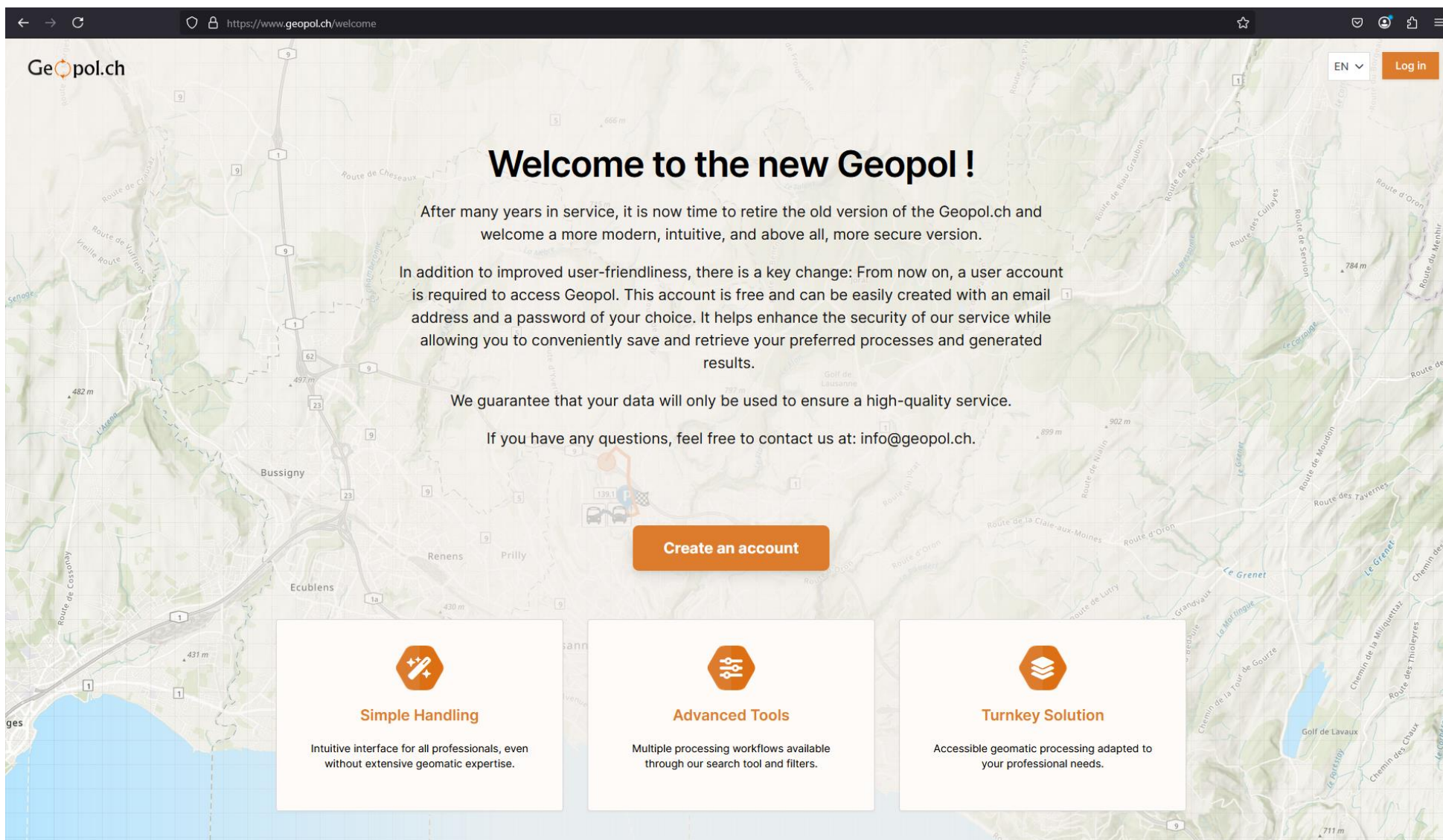
Make complex processes easily accessible



- ~80 workspaces
- Categories:
 - **Quality check**
 - **Geoprocessing**
 - **Transformations**
 - **Data Extraction**
 - **Format Translation**
 - **Building Information Modeling – BIM**
 - Further project-specific workspaces
- Four engines support the ability to **run four jobs in parallel**
- Handles approximately **100 jobs per day**
- Job activity can be **monitored**
- Workspaces can be made **accessible** either **publicly** or to a **specific group of users** via GUI (see next slides)



Getting access to Geopol GUI (1/2)



Geopol.ch

EN Log in

Welcome to the new Geopol !

After many years in service, it is now time to retire the old version of the Geopol.ch and welcome a more modern, intuitive, and above all, more secure version.

In addition to improved user-friendliness, there is a key change: From now on, a user account is required to access Geopol. This account is free and can be easily created with an email address and a password of your choice. It helps enhance the security of our service while allowing you to conveniently save and retrieve your preferred processes and generated results.

We guarantee that your data will only be used to ensure a high-quality service.

If you have any questions, feel free to contact us at: info@geopol.ch.

Create an account



Simple Handling

Intuitive interface for all professionals, even without extensive geomatic expertise.



Advanced Tools

Multiple processing workflows available through our search tool and filters.



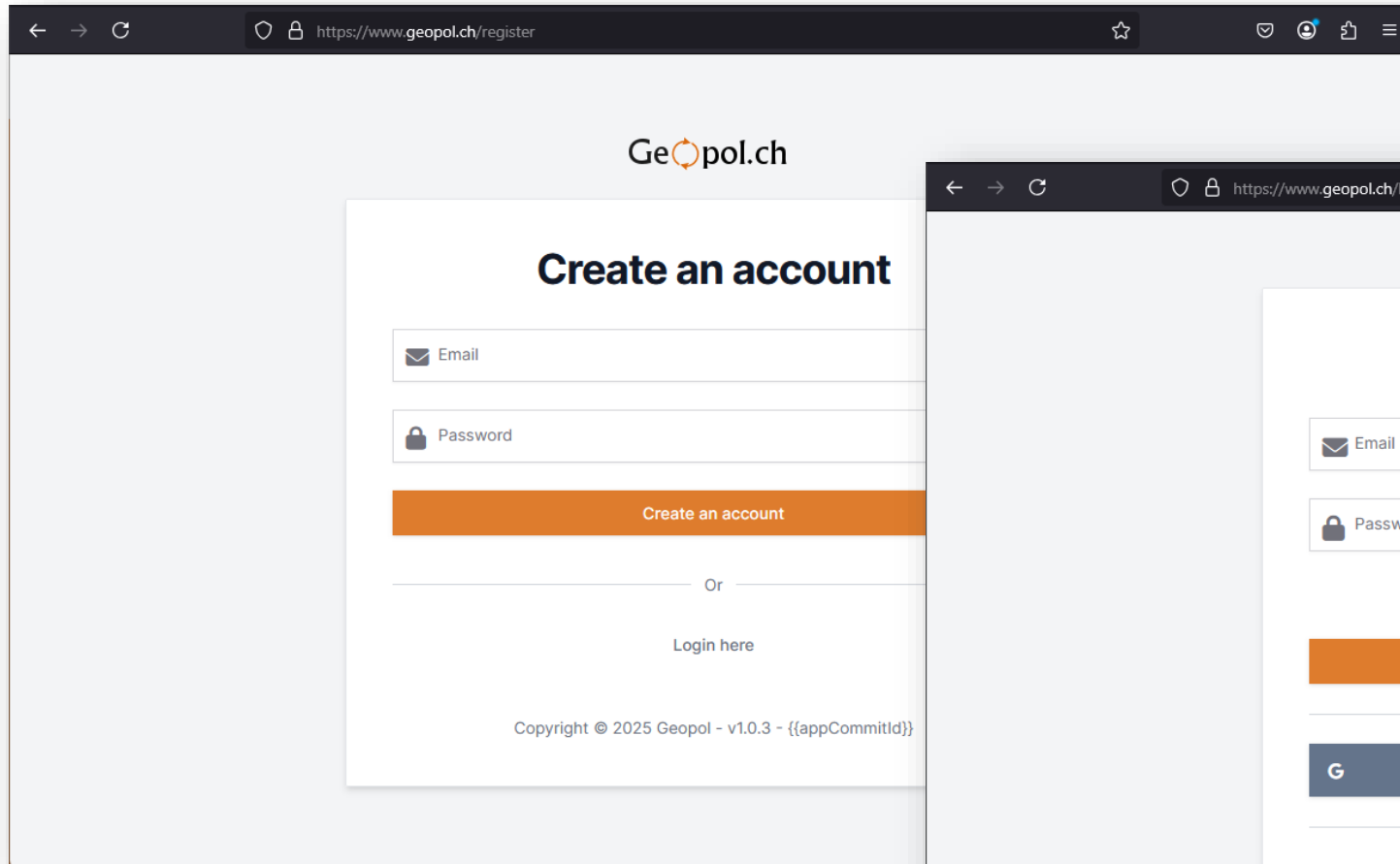
Turnkey Solution

Accessible geomatic processing adapted to your professional needs.

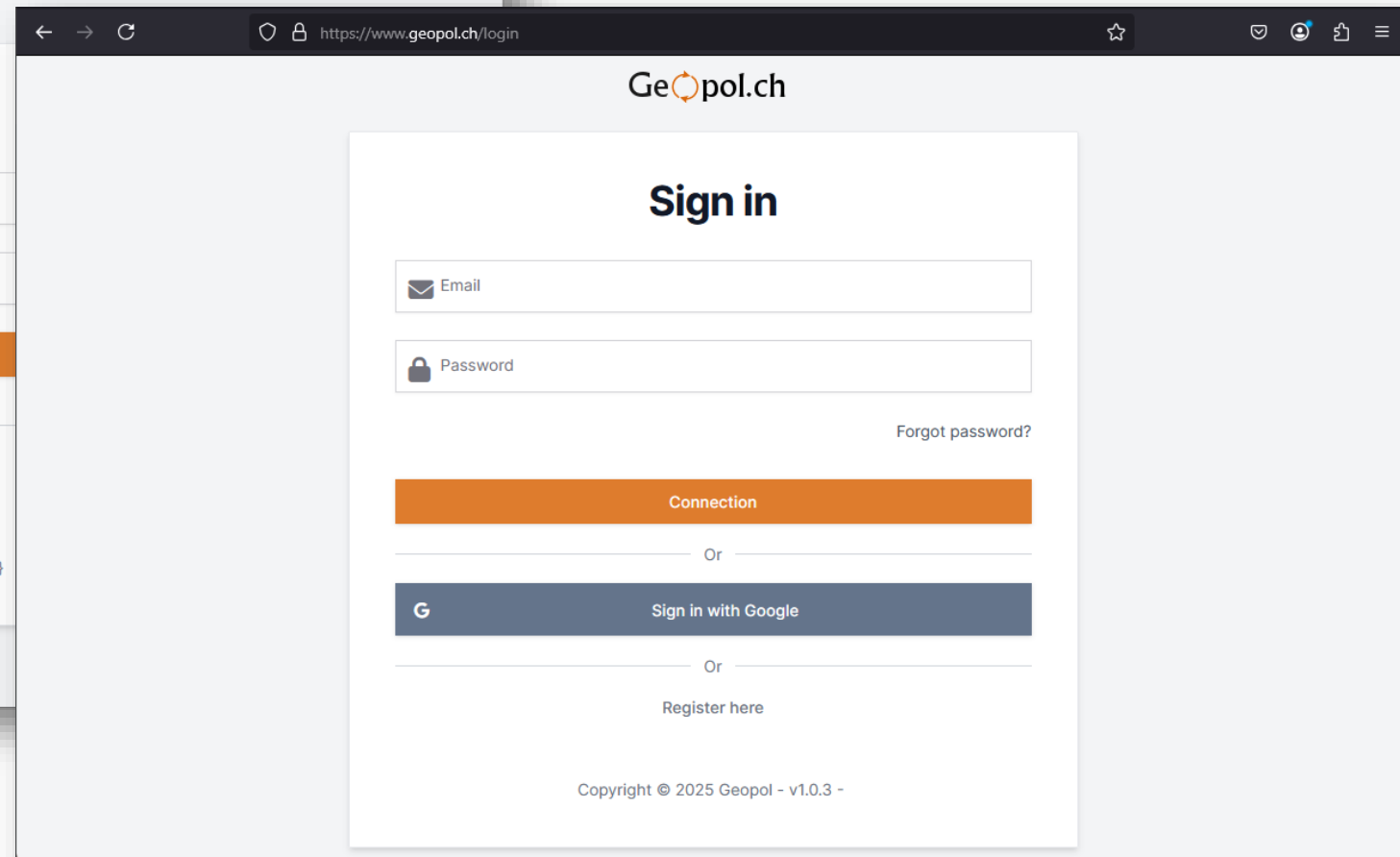


Getting access to Geopol GUI (2/2)

- Email for person or company



A screenshot of a web browser showing the registration page of Geopol.ch. The browser's address bar displays 'https://www.geopol.ch/register'. The page features the Geopol.ch logo at the top. Below it, the heading 'Create an account' is centered. There are two input fields: 'Email' with an envelope icon and 'Password' with a lock icon. An orange button labeled 'Create an account' is positioned below the fields. A horizontal line with the word 'Or' in the center separates this from the login section. Below the line is a link that says 'Login here'. At the bottom, a copyright notice reads 'Copyright © 2025 Geopol - v1.0.3 - {{appCommitId}}'.



A screenshot of a web browser showing the login page of Geopol.ch. The browser's address bar displays 'https://www.geopol.ch/login'. The page features the Geopol.ch logo at the top. Below it, the heading 'Sign in' is centered. There are two input fields: 'Email' with an envelope icon and 'Password' with a lock icon. To the right of the password field is a link that says 'Forgot password?'. An orange button labeled 'Connection' is positioned below the fields. A horizontal line with the word 'Or' in the center separates this from the Google login section. Below the line is a dark blue button with the Google 'G' logo and the text 'Sign in with Google'. Another horizontal line with the word 'Or' in the center follows. Below this is a link that says 'Register here'. At the bottom, a copyright notice reads 'Copyright © 2025 Geopol - v1.0.3 -'.

Overview of all your accessible services

Convert Geodata, Online geopr X

https://www.geopol.ch/workspaces

Geopol.ch

Search for process

About EN jm@in

Canton of Vaud : NORMAT 2 Checker
Checking tool for NORMAT 2
Process my geographic data

Download swiss addresses
Extract the addresses from https://data.geo.admin.ch. This process is free of charge.
Process my geographic data

Canton of Vaud: COP Datachecker for data transf...
The datachecker is used to verify compliance with the COP data model before transmission to the canton for integration into the cantonal geoport...
Process my geographic data

Canton of Vaud : Checker SIRE data
Canton of Vaud : Checker SIRE da
Process my geographic data

Canton of Valais : Geodata extraction
Extracts geodata pblished by the canton of Valais

Reference Frame Change - MN03 to MN95
Changes the reference system from the old LV03 to the new LV95

Cadastral Surveying - Data Model Change from CH to VD
Changes the data model from a swiss DM01MO-Ch Interlis(.itf) file to a VD Interlis (.itf) File

Attribute overview
Reads all attributes from the input source file and returns an html file summarizing the unique values an

Sidebar navigation

The screenshot displays the Geopol.ch website interface. At the top, the browser address bar shows the URL https://www.geopol.ch/workspaces/checker_normat. The website header includes the Geopol.ch logo and a user profile for 'jm@inser.ch'.

The sidebar navigation is highlighted with a red box. It features a hamburger menu icon, a gear icon for settings, and a star icon for favorites. Below these, a list of processes is shown under the heading 'Discover the other processes':

- QUALITY ASSURANCE**
 - Canton of Vaud : NORMAT 2 Checker
- EXTRACTION, GEOPROCESSING**
 - Download swiss addresses
- QUALITY ASSURANCE**
 - Canton of Vaud: COP Datachecker for data transfer to the Cadastre of Protective Works
- QUALITY ASSURANCE**
 - Canton of Vaud : Checker SIRE data
- ARCGIS ONLINE , EXTRACTION**

The main content area displays the 'Canton of Vaud : NORMAT 2 Checker' tool. It includes a description: 'Checking tool for NORMAT 2'. The 'Informations' section contains a file upload field (labeled 'Browse...') and an email field (containing 'jm@inser.ch'). The 'Parameters' section includes several dropdown menus for configuring the tool's behavior, such as 'Versions des modèles ili des fichiers à tester' and 'Effectuer le test sur la structure du fichier Zip ?'.

Checker NORMAT 2

+

← → ↺

🔒

https://www.geopol.ch/workspaces/checker_normat

☆

🛡️ ⬇️ 🗺️ 📄 📱

☰

Geopol.ch

About EN jm@inser.ch

☰

⚙️

★

Favorites

×

QUALITY ASSURANCE

Canton of Vaud: COP Datachecker for data transfer to the Cadastre of Protective Works

➔

ARCGIS ONLINE_EXTRACTION

Canton of Valais : Geodata extraction

➔

?

Canton of Vaud : NORMAT 2 Checker ☆

Checking tool for NORMAT 2

✓ Informations

Dossier contenant les données (.zip) ou fichier interlis 2 unique (.xtf)

📁 Browse... No file selected.

E-Mail Address for the result

✉️ jm@inser.ch

✓ Parameters

📁 Versions des modèles ili des fichiers à tester (voir dans la description ci-dessous)

📁 Effectuer le test sur la structure du fichier Zip ?

📁 Effectuer le test attributaire ?

Previous processes

Convert Geodata, Online geopi X

https://www.geopol.ch/workspaces

Geopol.ch

Search for process

About EN jm@inser.ch

☰

⚙️

★

Your previous processes

ARCGIS ONLINE_EXTRACTION

Canton of Valais : Geodata extraction

No.: 6971

Created on: 12.05.2025 | 12:21:06

Status: Success

⬇️

✓

WITHOUT CATEGORY

Canton of Grisons: Integration tool for land use...

Canton of Grisons: Integration tool for land use planning 5.1

Process my geographic data

WITHOUT CATEGORY

Kanton Graubünden : Kapazitätsreservenberechn...

Kanton Graubünden : Kapazitätsreservenberechnung für die Übersicht Bauzonkapazität - 2025

Process my geographic data

EXTRACTION_GEOPROCESSING

Download swiss addresses

Extract the addresses from https://data.geo.admin.ch. This process is free of charge.

Process my geographic data

QUALITY ASSURANCE

Canton of Vaud: COP Datachecker for data transf...

The datachecker is used to verify compliance with the COP data model before transmission to the canton for integration into the cantonal geoport...

Process my geographic data

QUALITY ASSURANCE

Canton of Vaud : Checker SIRE data

Canton of Vaud : Checker SIRE data

Process my geographic data

Further details about Geopol

Geopol.ch

About EN

About us

Geopol.ch is an infrastructure designed to handle geodata online. Several processes are available to validate, enrich or transform your geodata. The processes are easy to reach by using either the search tool or through filters.

Terms and conditions

Read about the terms and conditions for Geopol. If you have a question please [contact us](#).

Overview

In this definition on the terms of use of the Geopol.ch portal, the User is the person starting an on-line geoprocessing.

It is recommended to test the process on a sample dataset first, before using the paid version of the process.

Following services are offered by geopol.ch:

- On-line processing of data and asynchronous processing. The user will receive the results per E-Mail.
- The results are kept on the server for 7 days and are thereafter

Data Storage

- The uploaded data are stored temporarily.
- The data created by the processing operation are automatically and permanently deleted after 7 days.

Running a service via the GUI (1/2)

The screenshot shows a web browser window with the address bar displaying `https://www.geopol.ch/workspaces`. The page header includes the Geopol.ch logo, a search bar with the placeholder text "Search for process", and links for "About" and "EN". On the left, an orange sidebar contains a menu icon, a gear icon, and a star icon. The main content area displays four service cards:

- Canton of Valais : Geodata extraction**
Category: ARCGIS ONLINE ,EXTRACTION
Description: Extracts geodata published by the canton of Valais
Action: Process my geographic data (button highlighted with a red box)
- Reference Frame Change - MN03 to MN95**
Category: TRANSFORMATIONS, COORDINATE SYSTEMS
Description: Changes the reference system from the old LV03 to the new LV95
Action: Process my geographic data
- Cadastral Surveying - Data Model Change from CH to VD**
Category: EXTRACTION, INTERLIS, CADASTRAL SURVEYING, BDCO
Description: Changes the data model from a swiss DM01MO-Ch Interlis(.itf) file to a VD Interlis (.itf) File
Action: Process my geographic data
- Attribute overview**
Category: QUALITY ASSURANCE
Description: Reads all attributes from source file and returns summarizing the unique values and their corresponding counts
Action: Process my geographic data



Running a service via the GUI (2/2)

The screenshot displays the Geopol.ch web interface. On the left, a sidebar contains a menu with a hamburger icon, a gear icon, and a star icon. The main content area is titled "Canton of Valais : Geodata extraction" and includes sections for "Informations" (with an email field for "jm@inser.ch") and "Parameters" (with fields for "City" set to "Chippis", "Reference frame" set to "MN95 / LV95", and a "Data set" dropdown menu). An email notification window titled "Geopol Job Success" is overlaid, showing a message from "job@geopol.ch" to "Julia Menk" at 12:21. Below this, a "FME Data Inspector 2025.0" window is open, displaying a list of data layers under "View 1 (401)". An orange callout box points to the "FME_2B247069_1747045222950_13414 [SHAPEFILE] (401)" entry, with the text "View zip directly in Data Inspector". The Data Inspector window also shows a map view on the right with various colored overlays.

Geopol.ch

About EN jm@inser.ch

Canton of Valais : Geodata extraction

Extracts geodata published by the canton of Valais

✓ Informations

Email for result

jm@inser.ch

✓ Parameters

City

Chippis

Reference frame

MN95 / LV95

Data set

Constatation forestière

Mensuration officielle : Admin

Mensuration officielle : Biens fondés

Mensuration officielle : Couverture sol

Mensuration officielle : DDP

Geopol Job Success

job@geopol.ch

To Julia Menk

12:21

Accès au résultat

FME Data Inspector 2025.0

File View Camera Tools Window Help

Open Add Save As Save Selected Refresh Stop

View 1 (401)

- FME_2B247069_1747045222950_13414 [SHAPEFILE] (401)
 - limites_communes (1)
 - pga_de_flachenbezogene_festlegungen (6)
 - pga_de_grundnutzungen (177)
 - pga_de_perimeter_der_gesetzlichen_bestimmung... (6)
 - pga_de_uberlagernde_nutzungen (11)
 - pga_fr_affectationsprimaires (177)
 - pga_fr_perimetres_dossiers_juridiques (6)
 - pga_fr_perimetres_superposes (6)
 - pga_fr_zones_superposees (11)

View zip directly in Data Inspector

Orbit Select Pan Zoom In Zoom Out Zoom Selected

Start View 1

Possible parameters (1/3)

Geopol.ch

About EN

Menu icons: hamburger, gear, star

OGD Slice & Clip - swissTNE Base

This service makes it possible to download from the extensive and large data set of "SwissTNE Base" only those geometric information layers that lie within a desired extent. Of the tabular data, only those belonging to the geometric data are output. The original data comes from the official Swisstopo website (<https://www.swisstopo.admin.ch/en/geodata/landscape/tne.html>).

Information

E-mail to transmit the result

Parameters

Select the desired geometric information layers

- ☐ Areas (bn_area)
- ☐ Edges "Cableway" (bn_edge.cableway)
- ☐ Edges "Railway" (bn_edge.rail)
- ☐ Edges "Road" (bn_edge.road)
- ☐ Edges "Waterway" (bn_edge.water)
- ☐ Nodes (bn_node)

Select the desired tabular information layers

Multiple choices

Possible parameters (2/3)

- ☐ Edge properties (bn_edge_property)
- ☐ Lookup table "Area types" (lut_area_type)
- ☐ Lookup table "History status" (lut_history_status)
- ☐ Lookup table "Logical status" (lut_logical_status)
- ☐ Lookup table "Quality status" (lut_quality_status)
- ☐ Lookup table "Cableway types" according to TLM (lut_tlm_cableway_type)
- ☐ Lookup table "Rail transport" according to TLM (lut_tlm_rail_transport)
- ☐ Lookup table "Road type" according to TLM (lut_tlm_road_type)
- ☐ Lookup table "Water body type" according to TLM (lut_tlm_water_type)



Select the output format

Select the desired extent or leave this field empty and enter further down the coordinates to define a bounding box.



Biel



Bezirk - Biel/Bienne - Nr.242 - Bezirk - Biel/Bienne - Nr.242



Gemeindegebiet - Biel-Benken - Nr.2764 - Gemeindegebiet - Biel-Benken - Nr.2764



Right coordinate of the clipping extent (Coordination system EPSG:2056 - e.g., Ct. LU = 2681800)



Left coordinate of the clipping extent (Coordination system EPSG:2056 - e.g., Ct. LU = 2630100)



I have read and accept the terms and conditions of geopol.ch [Read terms and conditions](#)

Single choice
(dropdown lists)

Selection with
auto-complete

Possible parameters (3/3)

DeepL Translate: The world's m... OGD Slice & clip swissTNE Base X

https://www.geopol.ch/workspaces/120

INSER geo.admin.ch Projects FME Schulung FME Programming Language Other Bookmarks ChatGPT Perplexity SwissTransfer.com - Se...

- ☐ Edge properties (bn_edge_property)
- ☐ Lookup table "Area types" (lut_area_type)
- ☐ Lookup table "History status" (lut_history_status)
- ☐ Lookup table "Logical status" (lut_logical_status)
- ☐ Lookup table "Quality status" (lut_quality_status)
- ☐ Lookup table "Cableway types" according to TLM (lut_tlm_cableway_type)
- ☐ Lookup table "Rail transport" according to TLM (lut_tlm_rail_transport)
- ☐ Lookup table "Road type" according to TLM (lut_tlm_road_type)
- ☐ Lookup table "Water body type" according to TLM (lut_tlm_water_type)

Select the output format

Google KML

Select the desired extent or leave this field empty and enter further down the coordinates to define a bounding box.

Bezirk - Biel/Bienne - Nr.242 - Bezirk - Biel/Bienne - Nr.242

Bottom coordinate of the clipping extent (Coordination system EPSG:2056 - e.g., Ct. LU = 1180600)

Top coordinate of the clipping extent (Coordination system EPSG:2056 - e.g., Ct. LU = 1237700)

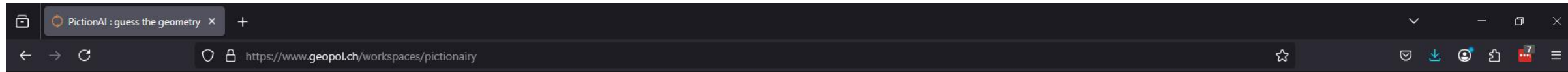
Right coordinate of the clipping extent (Coordination system EPSG:2056 - e.g., Ct. LU = 2681800)

Left coordinate of the clipping extent (Coordination system EPSG:2056 - e.g., Ct. LU = 2630100)

Numeric fields or text fields...

...e.g., to define perimeter

Possible parameters - Draw polygon (1/6)



PictionnAI: when AI plays the pictionary with you. Guess the geometry! ☆

The workspace tries to guess the geometry drawn and sends an email with a description of the shape.

✉ jm@inser.ch

✓ Parameters

☰ Draw the polygon

☰ Choose the language of the result

☐ I have read and accept the terms and conditions of geopol.ch [Read terms and conditions](#)

Execute

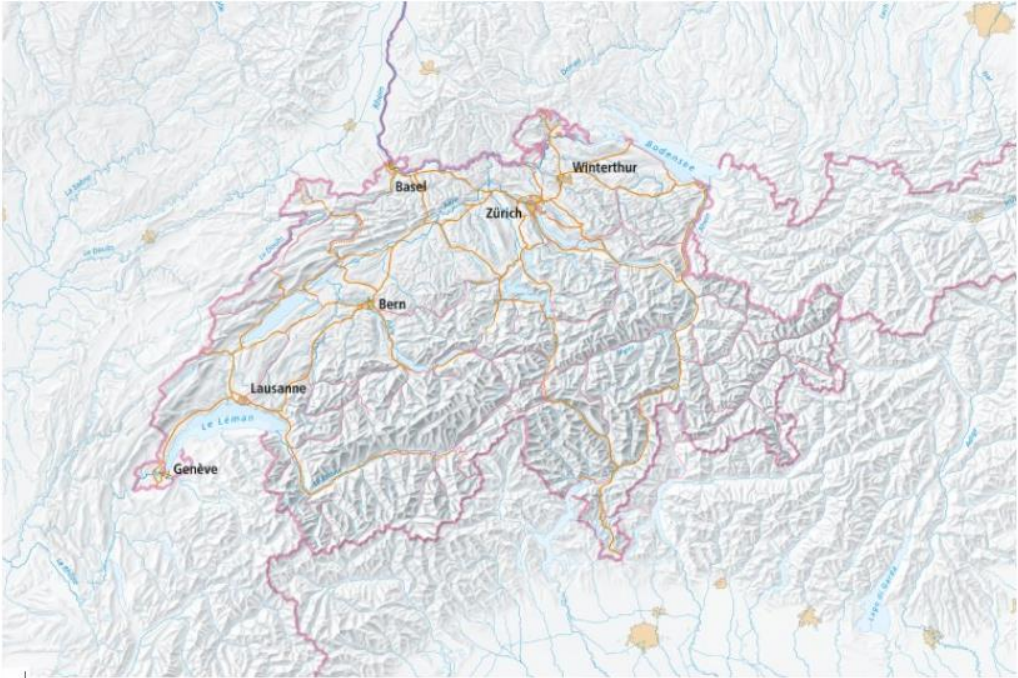
Draw polygon to
define perimeter



Possible parameters - Draw polygon (2/6)

Geopol.ch

Please select a geographic area



50 km

Cancel

Resume

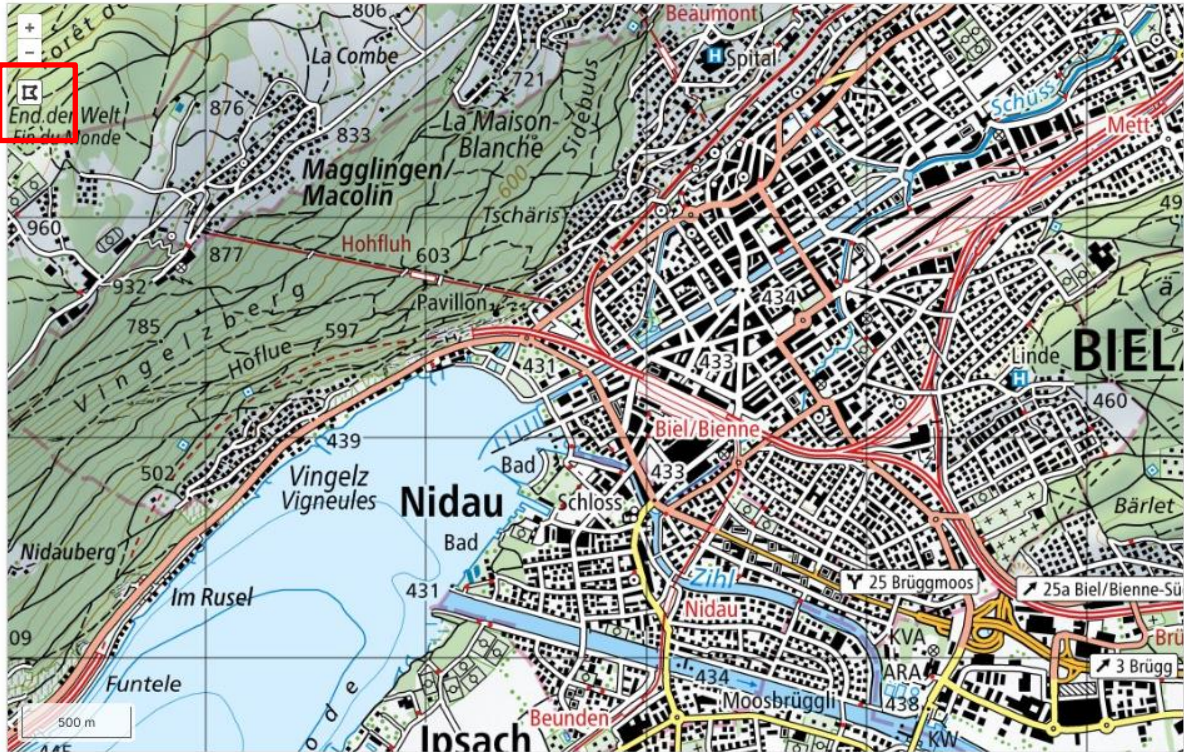


Possible parameters - Draw polygon (3/6)

Geopol.ch

About EN jm@inser.ch

Please select a geographic area



The map shows a topographic view of the Nidau/Biel region. A red rectangle highlights a small area in the upper left, labeled 'End der Welt' and 'Fischmönche'. The map includes various geographical features such as the Aare river, the Nidau area, and the city of Biel/Bienne. A scale bar indicates 500 meters.

Cancel Resume

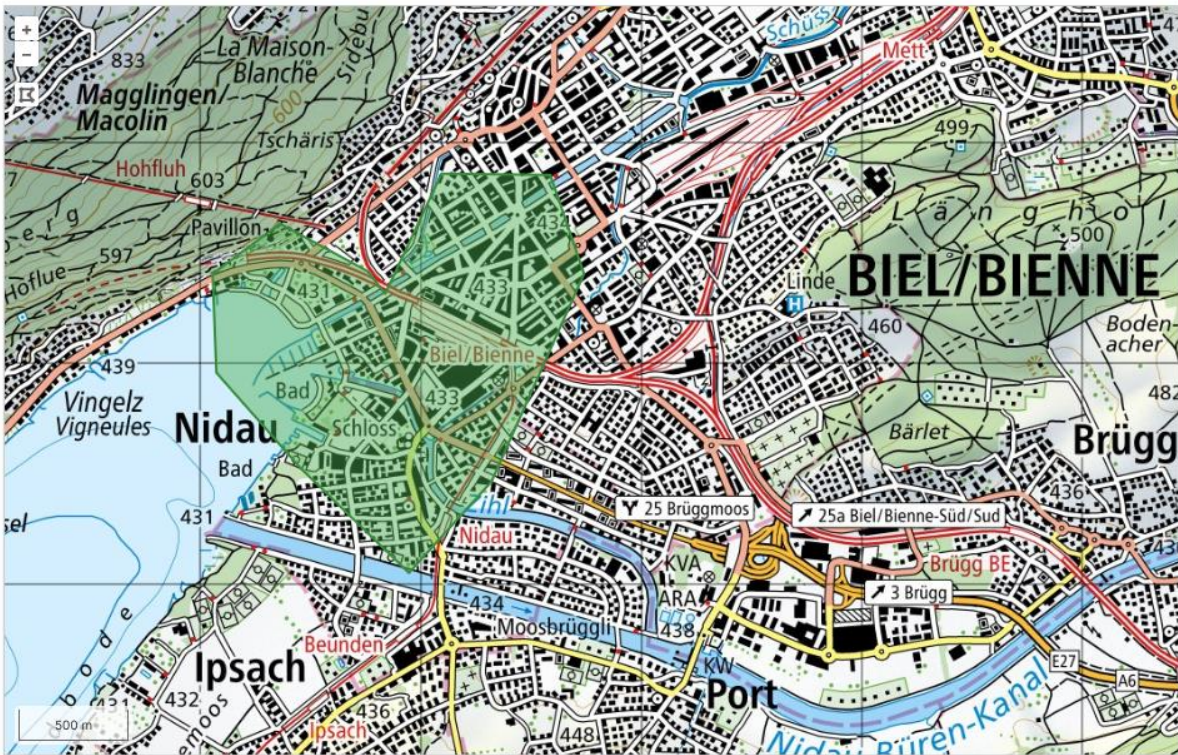


Possible parameters - Draw polygon (4/6)

Geopol.ch

About EN jm@inser.ch

Please select a geographic area



Cancel Resume



Possible parameters - Draw polygon (5/6)



PictionnAI: when AI plays the pictionary with you. Guess the geometry! ☆

The workspace tries to guess the geometry drawn and sends an email with a description of the shape.

✓ Informations

E-mail for results



jm@inser.ch



✓ Parameters

Draw the polygon



[[[2584757,1220418],[2584359,1220634],[2584053,1220407],[2584070,1219959],[2584456,1219959],[2584456,1219959]]]]



Choose the language of the result



Deutsch



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Execute



Possible parameters - Draw polygon (6/6)

Geopol.ch

AboutENjm@inser.ch

PictionnAI: when AI plays the pictionary with you. Guess the geometry! ☆

The workspace tries to guess the geometry drawn and sends an email with a description of the shape.

✓

Informations

E-mail for results

✉

jm@inser.ch

✓

Parameters

Draw the polygon

[[[2584757,1220418],[2584359,1220634],[2584053,1220407],[2584070,1219959],[2584456,1219959],[2584456,1219959]]]]

Choose the language of the result

Deutsch

×

☒

I have read and accept the terms and conditions of geopol.ch

[Read terms and conditions](#)

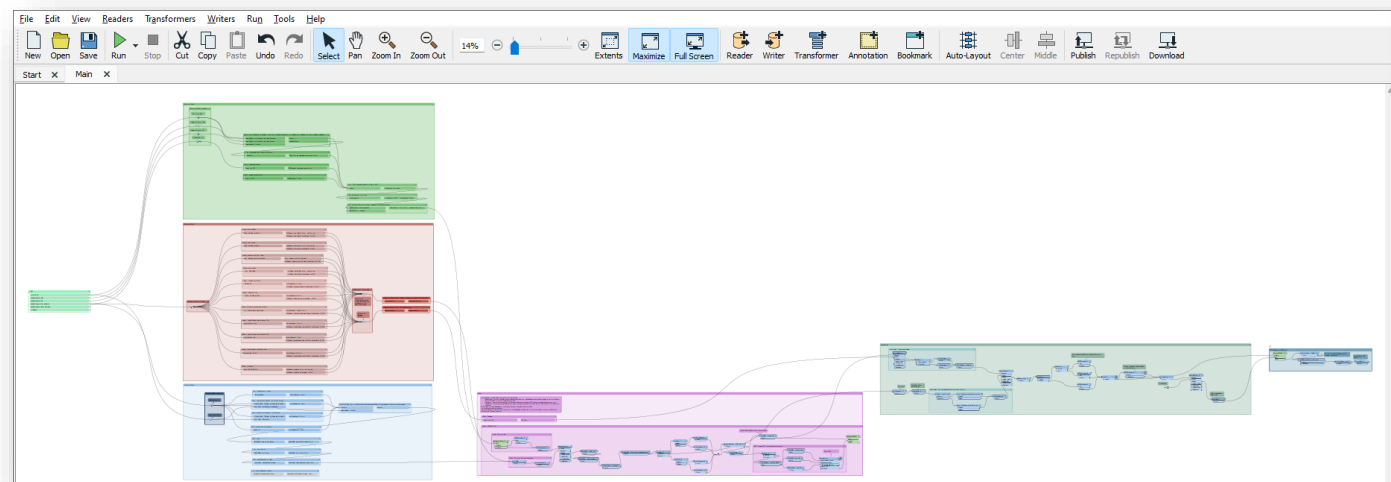
Execute

...curious to know what will result



How to benefit from Geopol from a publisher's perspective

Create workspace → Publish workspace on Geopol → Create GUI for Geopol →

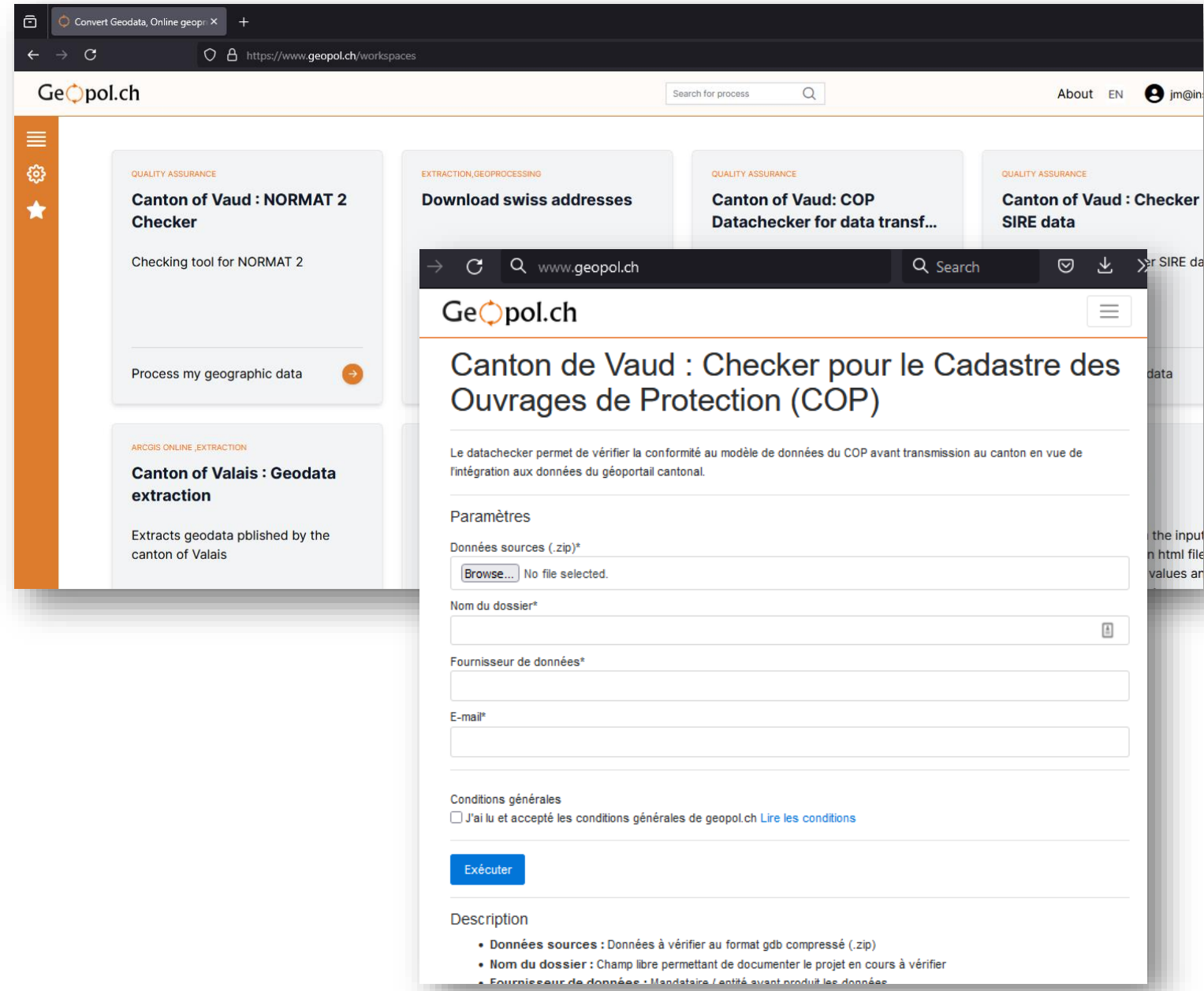


The screenshot shows the Geopol.ch website interface. The top navigation bar includes a search bar, a download icon, and a menu icon. The main heading is "Canton de Vaud : Checker pour le Cadastre des Ouvrages de Protection (COP)". Below the heading is a description: "Le datachecker permet de vérifier la conformité au modèle de données du COP avant transmission au canton en vue de l'intégration aux données du géoportail cantonal." The form includes several input fields: "Données sources (.zip)*" with a "Browse..." button and "No file selected." text; "Nom du dossier*" with a text input field; "Fournisseur de données*" with a text input field; and "E-mail*" with a text input field. There is a checkbox for "Conditions générales" with the text "J'ai lu et accepté les conditions générales de geopol.ch Lire les conditions". A blue "Exécuter" button is located below the form. The "Description" section lists the following requirements: "Données sources : Données à vérifier au format gdb compressé (.zip)", "Nom du dossier : Champ libre permettant de documenter le projet en cours à vérifier", "Fournisseur de données : Mandataire / entité ayant produit les données", and "E-mail : Adresse mail utile pour le renvoi des résultats et l'identification du destinataire". At the bottom, it states "Les données doivent :".

How to benefit from Geopol from a user's perspective

The user...

- browses to www.Geopol.ch
- search for the desired process
- reads the description & documentation
- loads the needed data
- receives an e-mail with
 - a download link,
 - steaming link or
 - output data





Thank you for your attention...

... and do not hesitate to ask us any further questions or write an email to info@geopol.ch