



INSPIRE Geoportals

JRC INSPIRE Team



75th MIG-T meeting – July 7, 2023

INSPIRE Geoportal Revamp

<https://inspire-geoportal.ec.europa.eu>

Main access point to INSPIRE Infrastructure tools and resources.

- Main focus: INSPIRE M&R.
- Revamp on-going using the GeoNetwork-based backend.

The screenshot shows the INSPIRE Geoportal interface. At the top, there is a navigation bar with the European Commission logo and the text "INSPIRE GEOPORTAL Enhancing access to European spatial data". Below this is a secondary navigation bar with links for Home, Priority Data Sets Viewer, Thematic Viewer, Harvesting status, and Find out more about. The main content area is titled "INSPIRE Data Sets - EU & EFTA Country overview". It features a map of Europe with a "Hover over a country" tooltip. To the right of the map is a "Statistics" panel with three yellow and blue boxes: "84729 Metadata records", "57494 Downloadable Data Sets", and "57704 Viewable Data Sets". Below the statistics is a "Spatial scope" section with radio buttons for "National coverage" and "Regional". At the bottom of the map area is a "Select a COUNTRY" section with a grid of country names, flags, and icons representing data sets. A "Download stats" button is located at the bottom right of the page.

INSPIRE GEOPORTAL
Enhancing access to European spatial data

European Commission > INSPIRE > Geoportal

Home | Priority Data Sets Viewer | Thematic Viewer | Harvesting status | Find out more about

INSPIRE Data Sets - EU & EFTA Country overview

INSPIRE Geoportal Data Set Statistics

- 84729 Metadata records
- 57494 Downloadable Data Sets
- 57704 Viewable Data Sets

Spatial scope: National coverage Regional

Select a COUNTRY

Austria	692 461 447	Finland	651 263 238	Latvia	157 99 96	Portugal	503 257 272
Belgium	593 521 525	France	218 75 17	Liechtenstein	70 11 12	Romania	108 38 39
Bulgaria	305 110 103	Germany	71854 53004 53644	Lithuania	132 132 60	Slovakia	257 164 167
Croatia	147 42 95	Greece	45 43 44	Luxembourg	309 288 277	Slovenia	98 48 59
Cyprus	42 32 34	Hungary	121 23 20	Malta	150 145 148	Spain	242 183 186
Czech Republic	91 74 79	Iceland	95 47 0	Netherlands	217 131 135	Sweden	243 191 200
Denmark	202 95 98	Ireland	80 52 51	Norway	161 71 28	Switzerland	218 2 4
Estonia	88 54 59	Italy	6498 755 487	Poland	147 83 80		

Select the whole EUROPE

Download stats

INSPIRE Geoportal Version: 1.6.2

INSPIRE Geoportal

Revamp – User interface

User interface

- **Ready** – New user interface integrated with the new GeoNetwork backend.
- Being now adapted to interact with GeoNetwork v4.2.5 - **Expected end July 2023**
- Including filtering by High Value Datasets (HVDs).

Based on Implementing Act on HVDs.

The screenshot shows the INSPIRE Geoportal website. At the top, there is the European Commission logo and the text 'European Commission'. Below this is a navigation bar with the following links: 'European Commission > INSPIRE > INSPIRE Geoportal > HOME'. The main heading is 'INSPIRE GEOPORTAL'. Below the heading is a navigation menu with links: 'Home', 'High-Value Data Sets', 'Thematic Data', 'Harvesting status', and 'Find out more about'. The main content area starts with a 'Welcome to the INSPIRE Geoportal' section. This section contains a paragraph explaining the portal's purpose and a list of three key functions: monitoring data availability, discovering data sets based on metadata, and accessing data sets. Below this is a paragraph about metadata harvesting and a link to 'here'. Another paragraph offers feedback. The main content is divided into two columns. The left column is titled 'High-Value Data Sets' and features a map with a color palette icon. Below the map is a paragraph describing the application's overview and access to geospatial high-value datasets, followed by a 'Browse' button. The right column is titled 'INSPIRE Thematic Data' and features a map with a globe icon. Below the map is a paragraph describing the application's availability and access to all EU MS data sets, followed by a 'Browse' button. At the bottom of the page is the 'INSPIRE Reference Validator' section, which includes a paragraph explaining the validator's purpose and a 'Go to INSPIRE Reference Validator' button.

European Commission

EN English

European Commission > INSPIRE > INSPIRE Geoportal > HOME

ENHANCING ACCESS TO EUROPEAN SPATIAL DATA

INSPIRE GEOPORTAL

Home High-Value Data Sets Thematic Data Harvesting status Find out more about

Welcome to the INSPIRE Geoportal

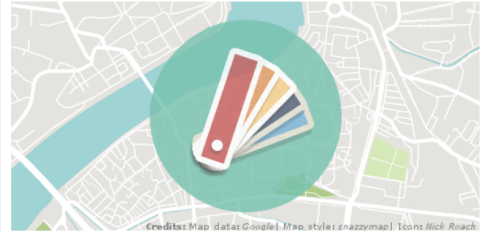
The INSPIRE Geoportal is the central European access point to the data provided by EU Member States and several EFTA countries under the INSPIRE Directive. The Geoportal allows:

- monitoring the availability of INSPIRE data sets;
- discovering suitable data sets based on their descriptions (metadata);
- accessing the selected data sets through their view or download services.

The metadata used in the Geoportal are regularly harvested from the discovery services of EU Member States and EFTA countries. The status of harvesting is available [here](#).

Feedback regarding the functionality as well as data set availability is welcome [here](#).

High-Value Data Sets




Credits: Map (data: Google), Map styles: nazzymap, Icons: Nick Roach

The application provides an overview and access to geospatial high-value datasets and other core data (including priority data sets for eReporting).

[Browse](#)

INSPIRE Thematic Data



Credits: Map (data: Google), Map styles: nazzymap, Icons: INSPIRE

The application displays the availability and provides access to all EU MS data sets falling under the scope of INSPIRE Directive filtered by data themes and countries (i.e. Annex I, II and III).

[Browse](#)

INSPIRE Reference Validator

The validator application is to help data providers, solution providers and national coordinators to check whether their data sets, network services and metadata meet the requirements defined in the INSPIRE Technical Guidelines. The validation tests are based on the Abstract Test Suites agreed between Member States and the Commission in the INSPIRE Maintenance and Implementation Group.

[Go to INSPIRE Reference Validator](#)

INSPIRE Geoportal

Revamp – Backend: GeoNetwork (AWS cloud)



- Prototype:
Available and revised
- Working system:
Delivered
JRC Testing finished
Rollout on-going

The screenshot displays the 'My GeoNetwork catalogue' interface. On the left, a sidebar shows 'Catalog harvesters' and 'Catalog harvester report'. The main content area is titled 'Harvester' and lists several harvesters, each with a status indicator and 'Last run' information. The 'BE-GEOBRU' harvester is highlighted in blue. To the right, the configuration page for 'BE-GEOBRU' is shown, including sections for 'Identification', 'Schedule', and 'Service URL'. The 'Identification' section includes fields for 'Node name and logo' (BE-GEOBRU), 'Group' (Belgium), and 'User' (admin admin). The 'Service URL' field contains a long URL. A large red stamp is overlaid on the bottom right of the screenshot.

Used for the Monitoring and Reporting 2022

Revamped INSPIRE Geoportal Status and On-going work

Harvesting console

- New harvesting console available. On request for large catalogues (DE, IT).
- Cloud servers being upgraded by GeoCat to interact with GeoNetwork v4.2.5.
 - To benefit from last security upgrades available.

Security

- INSPIRE Geoportal security assessment - **On-going**:
 - System structure and documentation – Progressing successfully: **Expected to finish by July 2023**.
 - Technical tests – **Expected in September 2023**.
- DK, SE, NO and FI willing to collaborate in further stabilizing GeoNetwork v4.2
 - Waiting for a procedure / way forward suggested by GeoCat.
 - Looking for other MS willing to join this common effort!

Revamped INSPIRE Geoportal rollout

- Expected by the end of September 2023.

Revamped INSPIRE Geoportal

Next steps

Revamped INSPIRE Geoportal rollout

- **On-going work** – Objective: in time for the Monitoring and Reporting.

New procurement – Call for tenders launched:

<https://etendering.ted.europa.eu/cft/cft-display.html?cftId=14806>

Objective - Delivering INSPIRE Geoportal improvements and new features:

- **Backend fine tuning & INSPIRE good practices implementation**
 - Improved dataset accessibility analysis.
 - OGC API-Features and Data-service Linking Simplification Good Practices.
- **Adding missing functionalities from the Classic INSPIRE Geoportal**
 - Exploration of link-checking results + Exportation tool.
 - Automated calculation of the M&R indicators - For producing M&R Dashboard page.

Timeline & Duration

- Start by September 2023 (15 months).

Thank you!



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