



2.4 Central INSPIRE Infrastructure Components

INSPIRE Geoportals

JRC INSPIRE Team

68th MIG-T meeting – February 4, 2022

INSPIRE Geoportal Objectives

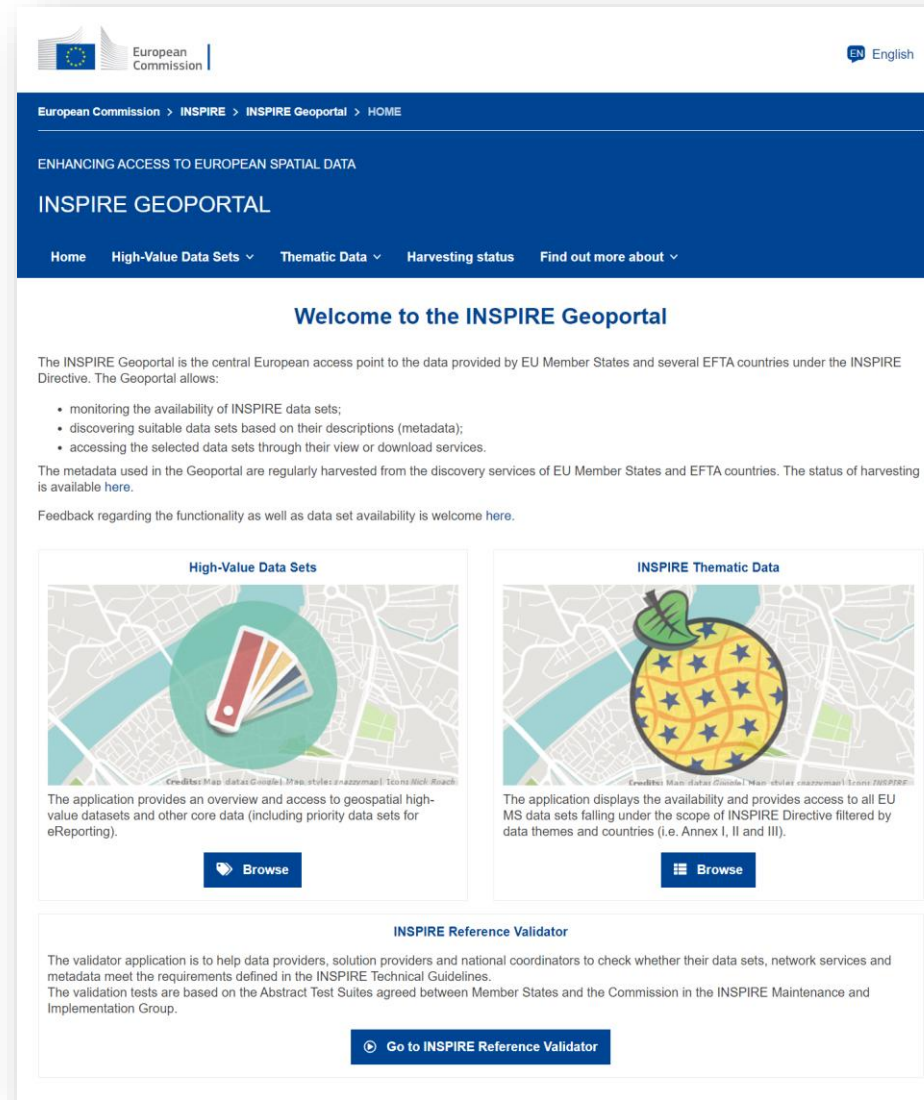
Renewal of the INSPIRE Geoportal

- **Geoportal Frontend: Ready!**
 - New UI filtering INSPIRE datasets according to High-Value Datasets.
 - Launch still waiting for the publication of the HVDs Implementing Act.
- **Geoportal Backend: Ongoing**
 - Migration to a GeoNetwork-based architecture.
 - Functionality of the current Geoportal is maintained.
 - Improved Harvesting processes and performance (use of micro-services).
 - Migration to a cloud environment: assure system availability / scalability.

New Geoportals Backend

Frontend prototype – Ready!

- It will be launched when the High Value Datasets (HVDs) Implementing Act is published and enters in force.



The screenshot displays the INSPIRE Geportal website. At the top, there is the European Commission logo and a language selector set to English. Below the header, a breadcrumb trail reads "European Commission > INSPIRE > INSPIRE Geportal > HOME". The main navigation bar includes "Home", "High-Value Data Sets", "Thematic Data", "Harvesting status", and "Find out more about".

The main content area is titled "Welcome to the INSPIRE Geportal". It contains the following text:

The INSPIRE Geportal is the central European access point to the data provided by EU Member States and several EFTA countries under the INSPIRE Directive. The Geportal 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 Geportal 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](#).

There are three featured sections:

- High-Value Data Sets:** The application provides an overview and access to geospatial high-value datasets and other core data (including priority data sets for eReporting). A "Browse" button is located below the description.
- INSPIRE Thematic Data:** 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). A "Browse" button is located below the description.
- 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. A "Go to INSPIRE Reference Validator" button is located below the description.

New Geoportal Backend

Status of the work

- Phase 1 - GeoNetwork Prototype: Delivered & Tested
 - Prototype delivered by GeoCat on 5th Nov. 2021.
 - 1st Testing round completed – Results back to GeoCat on 3rd Dec. 2021:
 - Prototype extensively tested against - All INSPIRE endpoints from MS and EFTA countries.
 - Comparison of M&R 2021 results - Prototype vs. current INSPIRE Geoportal:
 - The results are generally in line using both systems.
 - Some issues identified were identified, which will be address in Phase II.
 - Prototype in continuous evolution / improvement.

New Geoportal Backend

Backend prototype - Delivered & Tested

The screenshot displays the Geoportal Backend interface. The top navigation bar includes 'My GeoNetwork catalogue', 'Search', 'Map', 'Contribute', and 'Admin console'. The user is logged in as 'admin admin ADMINISTRATOR' and the language is set to 'English'.

The main content area is divided into two sections:

- Harvester List:** A table listing several harvesters, all with 'Last run : Invalid date'. The 'BE-GEOBRU' harvester is highlighted in blue. The list includes:
 - AT (OGC CSW 2.0.2 (remote harvester))
 - BE-GEO (OGC CSW 2.0.2 (remote harvester))
 - BE-GEOBRU (OGC CSW 2.0.2 (remote harvester))**
 - BE-VLAANDEREN (OGC CSW 2.0.2 (remote harvester))
 - BE-WALLONIE (OGC CSW 2.0.2 (remote harvester))
 - BG (OGC CSW 2.0.2 (remote harvester))
 - CH (OGC CSW 2.0.2 (remote harvester))
 - CY (OGC CSW 2.0.2 (remote harvester))
 - CZ (OGC CSW 2.0.2 (remote harvester))
- Harvester Configuration (BE-GEOBRU):** A detailed view of the selected harvester. It includes:
 - Harvest status:** A blue bar with a 'Harvest' button.
 - Settings:** A tab for configuration, showing '106 Metadata records'.
 - Update harvester BE-GEOBRU:** A header with 'Delete' and 'Save' buttons.
 - Identification:** A section with a 'Node name and logo' field containing 'BE-GEOBRU' and a Belgium flag icon. Below it is a 'Group' dropdown set to 'Belgium' and a 'User' dropdown set to 'admin admin (admin)'. A note states: 'Group which owns the harvested records. Only the catalog administrator or user admin of this group can manage this node. User who owns the harvested records'.
 - Schedule:** A section with 'Enable' and 'disable' buttons.
 - Configuration for protocol OGC CSW 2.0.2 (remote harvester):** A section with a 'Service URL' field containing 'https://geobru-geonetwork.irisnet.be/geonetwork/inspire/fre/csw'. A note below states: 'CSW URL with or without GetCapabilities parameters'. There is an unchecked checkbox for 'Process CSW endpoints in the service metadata' with a note: 'Harvest the metadata of the CSW endpoints referenced by the service metadata'. A 'Number of records to retrieve per request' field is set to '20'.

New Geoportal Backend

Status of the work

- Phase 2 – Rollout and operation of the system: **Ongoing**
 - Kick-off Meeting: 21st Jan. 2022.
 - Production-ready system: expected by 31st March 2022 (code, technical documentation, user guide).
 - Training for MS and EFTA countries: expected by 31st May 2022.
 - Main goals:
 - To have the system ready for running the M&R 2022 exercise.
 - Including a testing round of the system by MS and EFTA countries.
 - Note: Checks to metadata will be more relaxed than in current Geoportal.
- **The Geoportal Frontend is being adapted to the new system.**

Thank you!



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