

New INSPIRE Geoportal

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Joint Research Centre

The European Commission's science and knowledge service



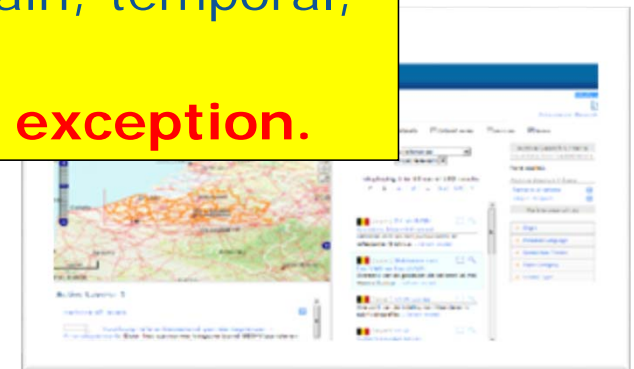
Context and Background Information

INSPIRE Geoportal Pilot – since 2011

- Back-end solution developed + an interface for data providers (Harvesting reports)
- Not
- Difficult to find specific data set.
- Improved in the last years, but still for experts only (Resource browser).

The concept of a wide multi-thematic data portal is usually **failing to satisfy** specific (domain, temporal, scale, location..) **user requirements**.

INSPIRE Geoportal Pilot was not an exception.



Context and Background Information

INSPIRE Thematic Views since 2017 BETA VERSION

Main objectives:

- To develop a set of “Thematic views” to facilitate users to discover, view and use/download selected data sets

- To simplify content

- To provide

facilitating access to Priority datasets necessary for environmental reporting (MIWP 2016.5)

The concept of “**Thematic Views**” (Beta version) was received positively.
Performance issues covering the **statistics** as well as the application **response time** 😞



Purpose, Objectives and scope

New INSPIRE GEOPORTAL

- Based on the concept of “**THEMATIC VIEWS**”:
 - **User-centric** = easy to use – set of predefined thematic views.
 - **Data sets-centric** = main goal is to get the data!!
 - **Provide clear & reliable overviews** of INSPIRE data sets availability.
- **Optimalisation** of the back-end processes
- **Improved performance** = complete re-coding of the front-end applications
- **Integration** with other INSPIRE tools (IKB, Registry, Reference Validator, Thematic Clusters)



INSPIRE Geoportal - Future plans

Official launch The New INSPIRE GEOPORTAL

Demo

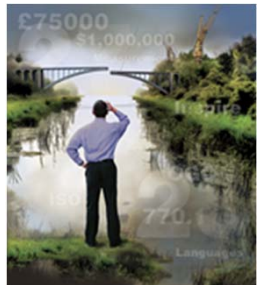
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18.09. Antwerp

INSPIRE Geoportal – possible future directions

Data harvesting, service monitoring, technical support

- **HW reinforcing back-end** solution = better load balancing, MS self-updating functionality;
- **New Quality checks** upon individual harvest process - MS confirmation;
- **Monitoring & Reporting** on MS web-services availability.
- **Geoportal Helpdesk** – limited support



INSPIRE Geoportal - possible future directions

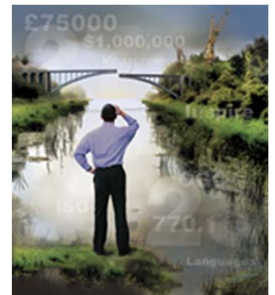
Geoportal functionality

- **Platform for new INSPIRE Monitoring & Reporting** – new dedicated “Viewer” presenting INSPIRE implementation progress by set of agreed key indicators
- **INSPIRE Analytics** – new “Viewer” based on the Resource browser / Apache SOLr search engine to enable users & innovative service providers (via open API) exploit INSPIRE Metadata, data & services.
- **Map Viewer** – simple solution (e.g. leaflet) or Web GIS functionality?
- Study on best **integration/synergy** with other EC & EEAs portals (EU-ODP, ReportNET 3.0).

INSPIRE Geoportal - possible future directions

Geoportal data driven functionality

- New **“Data Viewers”**- on demand = user's driven (e.g. fully compliant data sets, EU wide / cross border data sets..);
- MD and Geoportal GUI **translations**
- Data set metadata with **lists of spatial object types** present in respective data sets;
- **Spatial object type based “Data viewer”** (e.g. EU Ground water monitoring stations)
- ...



INSPIRE Geoportal - possible future directions

Geoportal Organisation & Governance

- **Geoportal Advisory Board** (EC services, EEA, MS representatives)
 - ✓ To discuss collected proposals and give advice on the future Geoportal development directions.
- **Proposal for a new temporary MIG sub-group** JRC Geoportal team + MS technical experts-National catalogues administrators
 - ✓ To meet 2x a year to discuss strictly technical matters related to the provision of country INSPIRE data via Geo-;
 - ✓ Possible improvements of the INSPIRE infrastructure (distributed).

Thank you



Questions?

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Make it work together