

Joint Research Centre

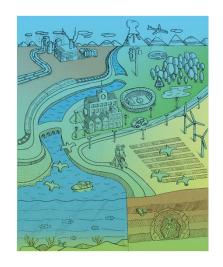




INSPIRE = enabling interoperability for public administrations, businesses and citizens



in force since 200.



"lingua franca" for geospatial data INSPIRE is to build an EU-wide infrastructure for geospatial information enabling:

- interoperability for public administration, businesses & citizens in support of the Digital Single Market
- e-reporting & Better Regulation in the env. domain
- innovative applications in other policy areas & cross border e.g. Intelligent Transport Systems, Energy efficiency, Disaster management..
- culture change in data management & provision practices in Public administration (all levels)

in close collaboration with all types of stakeholders

(e.g. communities of practice, legally mandated organizations, solution providers..)





Stakeholders engagement





INSPIRE Directive - Governance & Coordination

- INSPIRE Coordination Team (CT):
 - Directorate General Environment (DG ENV),
 Joint Research Centre (JRC), Eurostat
 (ESTAT) & European Environmental Agency
 (EEA)
- INSPIRE Committee (IC):
 - Member States representatives
- Member States National Contact Points (NCPs)
- INSPIRE Maintenance and Implementation Group (MIG):
 - representatives of the NCPs
 - MIG-P (Political) & MIG-T (Technical)
 - Maintenance and Implementation Work Programme (MIWP)
- INSPIRE stakeholders





INSPIRE Directive - Where are we in 2019?

in force since 2007



Implementation in subsequent **stages**:

- depending on the Annex: Annex 1-3
- depending on the resource type: metadata; services (Discovery
 / View / Download); data sets (as-is / compliant).

2005 - 2014



2007 - 2021

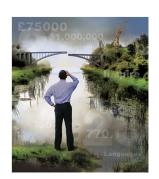


implement

2014 - ...



use





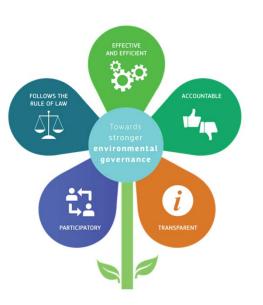


INSPIRE Directive – Better regulation, Refit, Mid-term evaluation (2014-2016)



Main results from "Commission stock taking exercise":

- MS data access & use simplification = New INSPIRE GEOPORTAL, TOOLS, PILOTS
- Better Regulation in e-reporting = re-use of INSPIRE = Priority data sets for e-reporting
- Revision of Monitoring and Reporting Decision
- Revision of EC Regulation on spatial data an service interoperability



Hiding complexity



More flexibility

New Maintenance and Implementation Work Plan MIWP2016-2020





New INSPIRE GEOPORTAL

Officially launched 18.9. 2018 during the INSPIRE Conference 2018

- Single access point to EU Spatial Data Infrastructure
 - Harvesting data (Metadata) from 36 national catalogues
 - 150 000+ data sets described (by Metadata)
 - 23 000 + data sets viewable (by View services)
 - 12 000+ data sets downloadable (by Download services)
- 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.
- Integration with other INSPIRE tools/platforms (e.g Validator, Registry)



http://inspire-geoportal.ec.europa.eu/

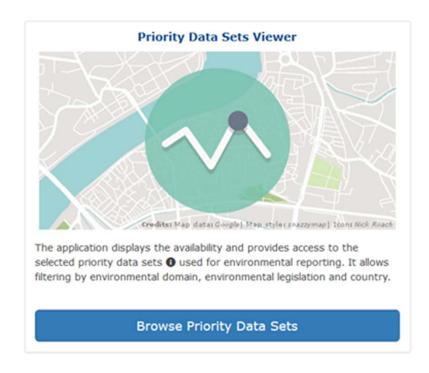


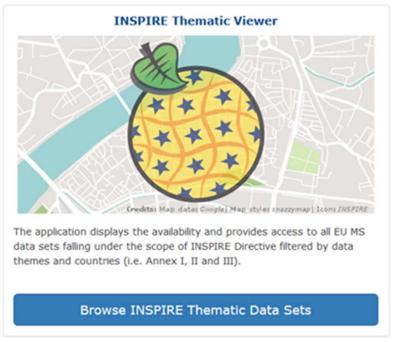
New INSPIRE GEOPORTAL

Officially launched 18.9. 2018 during the INSPIRE Conference 2018

Allows to search, view & download data sets using 2 viewers:

- Priority Data Sets Viewer
- INSPIRE Thematic Viewer

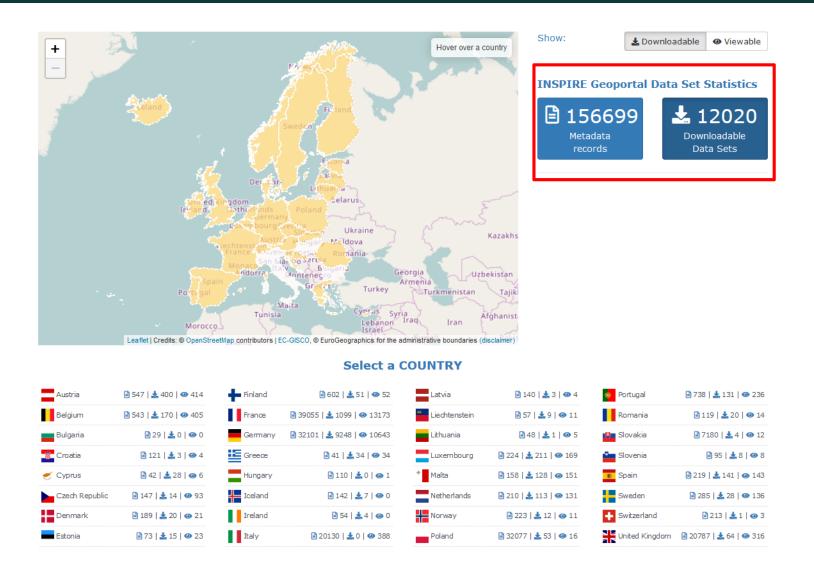




http://inspire-geoportal.ec.europa.eu/

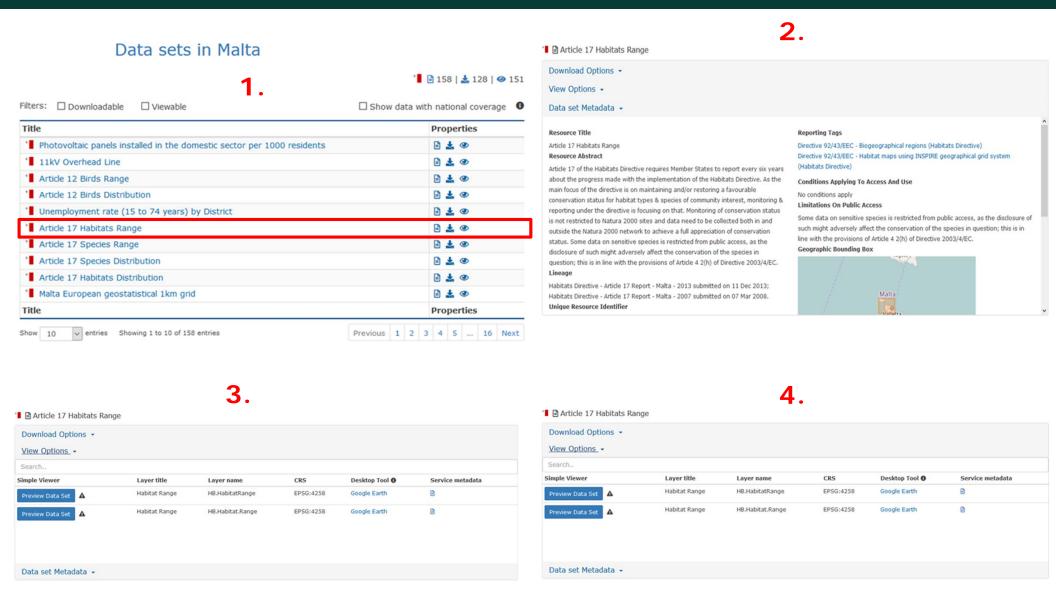


INSPIRE Geoportal – Implementation overview





INSPIRE Geoportal – easy access to MS data





Priority List of eReporting data sets MIWP 2016.5. Action

Rationale:

- Result of Refit activities (env. Reporting, INSPIRE)
- Commission strategy for filling the implementation gaps and showcase the benefits
- Giving MS clear guidance on prioritisation
- Instrument to bring communities (e.g. Eionet env. Reporting x INSPIRE) together





Priority List of eReporting data sets MIWP 2016.5. Action

Work Programme 2016-2020

4 Core Tasks:

T1: Manage and update the priority list of eReporting datasets

T2: Make data available as-is: identify datasets, document metadata, make metadata and data available on the EU geoportal by providing network services

T3: Common and interoperable European data models per reporting obligation/data flow that are fit for purpose for the envisaged use case.

T4: Monitor the availability of pan-European data sets

https://webgate.ec.europa.eu/fpfis/wikis/display/InspireMIG/Action+2016.5%3A+Priority+list+of+datasets+for+e-Reporting





Use of INSPIRE for other domains

1. Step wise approach

Common steps:

2. Contact INSPIRE NCPs

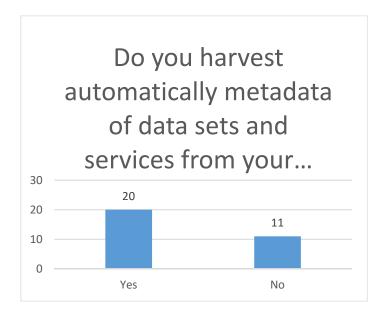
- Data set scoping / data organisation for distribution
- Describe your data sets using customise Inspire metadata

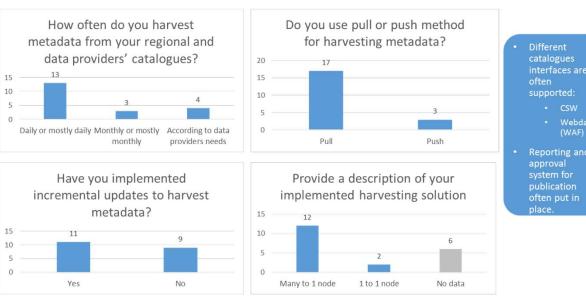
- Integrate your MD records with national catalogue
- Create view and download services for accessing your data + update your data set metadata with correct links to services + publish your data
- Develop a Geo-portal / Thematic web viewer
- Based on concrete use case(s) develop a common (e.g. LPIS & INSPIRE) Data exchange model – applying "domain extension approach"
- Transform your original data sets, update your MD and publish



Readiness of the Member States regarding national MD catalogues

Collected responses from 31 EU and some EFTA countries





Reporting and

https://webgate.ec.europa.eu/fpfis/wikis/display/InspireMIG/INSPIRE+Geoportal+Workshop



Use of INSPIRE for other domains

Available SW tools & services

- Metadata management
 - National SDI catalogues, open source (e.g. Geonetwork), ESRI..
 - INSPIRE Reference validator (to check your metadata)
 - INSPIRE Registry (e.g. Code list Register – to add your agreed keywords)
- Creation of view and download services
 - National SDI catalogues, open source (e.g. Geoserver, deegree, Mapserver), ESRI..
 - INSPIRE Reference validator (to check your web services)

- Data harmonisation & transformation
 - open source (e.g. HALE Studio), FME, ESRI..
 - INSPIRE Reference validator (to check your data transformation)
- Data scoping / data consumption
 - INSPIRE Find Your Scope (e.g. to select set of relevant feature types instead of the whole INSPIRE theme(s)





QGIS







Use of INSPIRE for other domains

Capacity building, collaboration platforms

Free SDI trainings

- Geospatial Knowledge Base (GKB) Training Platform: https://www.geo-train.eu/
- INSPIRE web site / knowledge base: https://inspire.ec.europa.eu/

On-line collaboration

- INSPIRE Community Forum / Thematic Clusters: https://themes.jrc.ec.europa.eu/
- Good practises, implementation examples: https://inspire.ec.europa.eu/inspire-tools



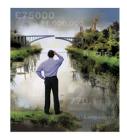


Use of EU Spatial data infrastructure



Conclusions

- EU SDI is ready to be utilised also internally @ EC!!
- EU SDI is more flexible then it is perceived!!
- EU SDI is built on MS NSDIs distributed system, data stays with its administrators.
- Future of EU SDI is to continue evolving in the wider EU eGovernment activities (e.g. EU Interoperability Framework, eGovernment Action Plan, ISA², revision of PSI - High Value datasets, EU data space..)







Thank you



Questions?

robert.tomas@ec.europa.eu



Make it work together

