From INSPIRE priority datasets on environmental eReporting to pan-European datasets

Stefan Jensen
supported by Henrik Steen Andersen

Joint UNGGIM – ESS – UNECE meeting
Luxembourg 29. March 2019
Some history and activities ahead

Where we are after 12 years of INSPIRE implementation

- Different speeds and engagement in Member States
- An EU INSPIRE Geoportal with ca. 155,000 metadata records and 11900 downloadable data sets

What has been initiated under the INSPIRE Multiannual Implementation Work Programme until 2020/21

- Various actions to increase data sharing and (technical) flexibility
- Focus on environment eReporting as an (authoritative) use case
- Start identifying pan-European datasets as further drivers

Further activities as part of Copernicus in-situ coordination
1. Manage and update the priority list of eReporting datasets (environment legislation) clearly identify the concrete datasets which are to be provided by the MS.
   Start with “as-is” data

2. Make data available as is
   MS have been asked to – voluntarily – make available data covered by INSPIRE „as-is“ and identified in the priority dataset list from 15.5.2018 onwards in the INSPIRE Geoportal
3. Common and interoperable European data models per reporting obligation/data flow that are fit for purpose for the envisaged use case built upon INSPIRE

Areas currently addressed are commonly designated areas (CDDA), EU-Registry as part of the Industry Emissions Directive (IED), Marine Strategy Framework Directive (MSFD)

Work is starting on noise (END), floods (FD), invasive alien species (IAS)

4. Monitoring the availability of priority datasets as precursor for pan-European datasets

Through the (new) dedicated INSPIRE viewer* accessing the INSPIRE Geoportal content


* status 19.3.2019
### Focus: access to datasets – which is still difficult

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Source: INSPIRE Geoportal, 27.02.2019

Legend
- **High degree of accessibility (90%-100%) (****)**
- **Medium degree of accessibility (average 50%-90%) (***)**
- **Low degree of accessibility (average < 50%) (***)**
- If any of service type is missing (**)**
- Only metadata (*)
- No priority datasets
Next steps regarding environmental eReporting datasets

Stepwise - based on user needs - identify pan-European datasets built from them

Prioritise data with reference data function

Focus on datasets to which the INSPIRE data models have been applied (PDS task 3)
Copernicus can benefit from the Member States’ implementation of INSPIRE.

The EEA has made an effort to verify how feasible it is to prepare INSPIRE (Annex I) data for use by Copernicus.

‘Administrative Units’ was chosen as a (simple) test case.

Another test case dealing with HY and BU is on-going.
In November 2018 only AU datasets from 20 countries were available.

Despite the complex INSPIRE implementation conformance makes the use of the data and information easy.

Full dataset including ‘close to INSPIRE data’.

The analysis was completed by the CORDA Team (Geograma) November 2018
We are aiming at:

- **Creating multi-country datasets** from the national/regional harmonised datasets discoverable in the INSPIRE Geoportal;
- **Overcoming the current data accessibility issues**, e.g. availability of services and data usability restrictions;
- **Streamlining the ingestion** of national/regional datasets into a multi-country database, benefitting from the progressive implementation of INSPIRE by the data providers.
In situ Discoverable HY & BU datasets

• Number of downloadable datasets is low, but progressively increasing;
• In some cases, we are able to locate additional downloadable datasets.
In situ Copernicus services’ access

Now, data available on a country by country basis

Soon, multi-country datasets will be available

European Environment Agency
**Timeline for multi-country products**

- **09/2018**: AU Downloadable harmonized datasets based on member states
- **12/2018**: HY Downloadable harmonized datasets based on member states (priority countries)
- **03/2019**: HY Downloadable harmonized datasets based on member states
- **06/2019**: HY Downloadable harmonized datasets based on member states
- **09/2019**: BU Downloadable harmonized datasets based on member states (priority countries)
- **12/2019**: BU Downloadable harmonized datasets based on member states
Various activities to build pan-European datasets are under way (but not yet completed)

- UNGGIM core data recommendation
- ESTAT/GISCO activities on transport (railways), geographic names, addresses, local admin. units
- INSPIRE Coordination team (ENV, EEA, JRC) work with Member States on priority datasets in environment eReporting
- Copernicus in-situ coordination activities

National datasets become increasingly available but access conditions and data quality are still very heterogeneous