

25th November 2020

12th INSPIRE MIG meeting

Status report

MIG subgroup 2016.5

Priority list of datasets for e-Reporting

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The 4 task areas

1. Manage and update the priority list of eReporting datasets

UPDATED priority dataset version 2.1

<https://ies-svn.jrc.ec.europa.eu/projects/2016-5/wiki/>

2. Make data available as is

MS to publish from 15.5.2018 onwards in the INSPIRE Geoportal

3. Common and interoperable European data models

Stepwise by per reporting obligation/data ... based on demand and reporting deadlines

4. Monitoring the availability of pan-European datasets

Through the EU Geoportal https://inspire-geoportal.ec.europa.eu/pdv_home.html



Task 1: Updates of the PDS list to version 2.1

Pan European Datasets

| | | |
|----|--|--|
| 89 | Entries in the list of PDS (unique datasets) | |
| 3 | Reference datasets 7.02 Population - densely populated built-up areas 23.01 Biogeographical regions (pan-European dataset) 46.01 Biogeographical regions (national datasets) | |
| 86 | Data for reporting obligation | |
| 61 | Datasets - mandatory | |
| 15 | Datasets - optional in reporting obligation | |
| 1 | Dataset or reference 17.01 FD units of management or reference to WFD river basin districts | |
| 5 | Attribute (reported as attribute in another dataset when applicable) | |
| 1 | Document 37.01 Areas exempted from permission of dumping waste | |
| 3 | Reference (to national published data) 16.01 FD flood risk zones low probability scenario 16.02 FD flood risk zones medium probability scenario 16.03 FD flood risk zones high probability scenario | |

Restructuring the list:

Fitness check information

Relevant datasets

Reporting information

- Reported data of reference data
- Responsibility
- Expected reported form
- Reporting obligation (ROD) references

Reference to data from other legislation

Status and progress

Supporting information

Mapping to INSPIRE themes with indication of reliable mapping status

- (1) High - Implemented & reported
- (2) High - According to INSPIRE scope
- (3) Under development
- (4) Initial mapping

Feedback from group members concluded – entire MIG input invited

Task 2: Country overview of available datasets

| Country | 16/03/2020 | | Trends since 16/03/2020* | 17/11/2020 | |
|----------------|-------------|-------------------|--------------------------|-------------|-------------------|
| | Metadata | Download services | Download services | Metadata | Download services |
| Austria | 92 | 87 | ↑ | 138 | 126 |
| Belgium | 164 | 99 | – | 161 | 91 |
| Bulgaria | 121 | 84 | ** | 117 | 23 |
| Croatia | 15 | 1 | – | 16 | 1 |
| Cyprus | 5 | 0 | ↑ | 11 | 9 |
| Czech Republic | 41 | 25 | – | 29 | 26 |
| Denmark | 50 | 47 | – | 48 | 45 |
| Estonia | 21 | 3 | ↑ | 24 | 7 |
| Finland | 18 | 16 | – | 17 | 16 |
| France | 99 | 7 | ↑↑ | 127 | 45 |
| Germany | 103 | 24 | ↑ | 118 | 60 |
| Greece | 54 | 54 | – | 54 | 54 |
| Hungary | 20 | 2 | – | 20 | 2 |
| Iceland | 2 | 2 | – | 2 | 2 |
| Ireland | 39 | 0 | – | 42 | 0 |
| Italy | 43 | 3 | ↑ | 93 | 8 |
| Latvia | 34 | 11 | ↑ | 57 | 14 |
| Liechtenstein | 0 | 0 | – | 0 | 0 |
| Lithuania | 75 | 66 | ↑ | 93 | 80 |
| Luxembourg | 77 | 77 | ↑ | 90 | 77 |
| Malta | 54 | 54 | ** | 57 | 37 |
| Netherlands | 68 | 39 | ** | 36 | 24 |
| Norway | 14 | 1 | – | 14 | 1 |
| Poland | 46 | 6 | – | 46 | 6 |
| Portugal | 135 | 26 | ↑↑ | 135 | 77 |
| Romania | 27 | 9 | – | 27 | 10 |
| Slovakia | 52 | 20 | – | 55 | 19 |
| Slovenia | 9 | 6 | ** | 9 | 4 |
| Spain | 85 | 0 | ↑↑ | 85 | 84 |
| Sweden | 75 | 55 | ** | 62 | 42 |
| Switzerland | 0 | 0 | – | 0 | 0 |
| Total | 1638 | 824 | | 1786 | 991 |

Where do they come from?

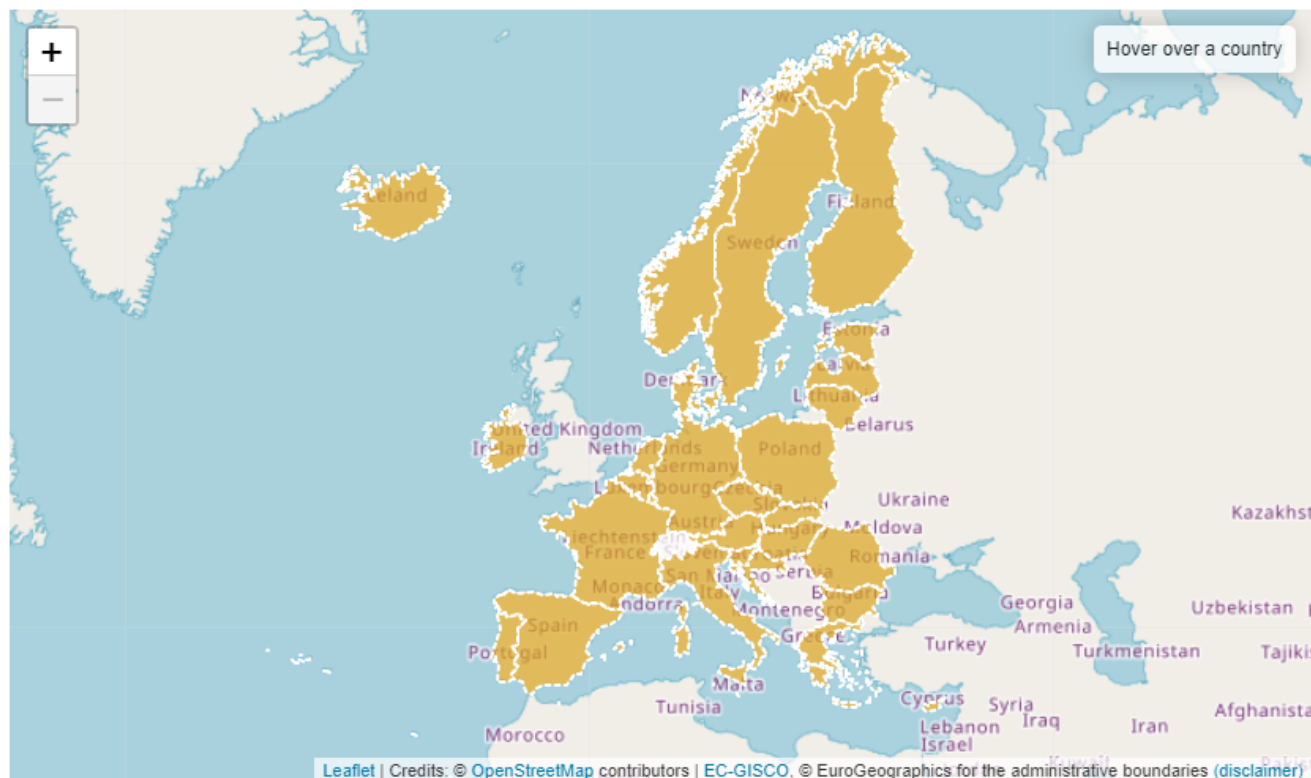
Status by Member State

Which topic do they represent?

Status by theme (legislation)

| Legislation | #Metadata 16.3.2020 | #Metadata 17.11.2020 | #Download services 16.3.2020 | #Download services 17.11.2020 | Key directive popular name |
|---------------------------|---------------------|----------------------|------------------------------|-------------------------------|--|
| directive 1999/31/ec | 12 | 14 | 4 | 7 | |
| directive 2000/60/ec | 433 | 449 | 192 | 253 | Water Framework Directive |
| directive 2002/49/ec | 314 | 380 | 214 | 257 | Noise Directive |
| directive 2006/21/ec | 1 | 7 | 4 | 5 | |
| directive 2006/7/ec | 12 | 23 | 12 | 14 | |
| directive 2007/60/ec | 265 | 312 | 75 | 116 | Floods Directive |
| directive 2008/50/ec | 96 | 106 | 31 | 41 | Ambient Air Quality Directive |
| directive 2008/56/ec | 59 | 60 | 37 | 29 | |
| directive 2009/147/ec | 77 | 82 | 47 | 57 | Birds Directive |
| directive 2010/75/eu | 31 | 35 | 12 | 14 | |
| directive 2012/18/eu | 17 | 24 | 9 | 12 | |
| directive 86/278/eec | 10 | 9 | 2 | 1 | |
| directive 91/271/eec | 91 | 85 | 50 | 51 | Urban Waste Water Treatment Directive |
| directive 91/676/eec | 38 | 41 | 20 | 29 | |
| directive 92/43/eec | 125 | 137 | 77 | 90 | Habitats Directive |
| directive 98/83/ec | 16 | 17 | 9 | 9 | |
| EEA annual work programme | 46 | 47 | 30 | 34 | Largely Nationally Designated Areas CDDA |
| national legislation | 17 | 15 | 10 | 10 | |
| recommendation 2014/70/EU | 5 | 4 | 1 | 1 | |
| regulation (EC) 166/2006 | 52 | 42 | 28 | 18 | |
| regulation (EU) 1143/2014 | 20 | 24 | 15 | 21 | |
| regulation (EU) 2017/852 | 3 | 2 | 1 | 0 | |

Task 2/4:



INSPIRE Geoportal Data Set Statistics

1888
Metadata records

1088
Downloadable Data Sets

948
Viewable Data Sets

Spatial scope coverage: National Regional

Change in download services since 16.3.20

CY 9 > 0
FR 118 > 7
PT 77 > 26
ES 84 > 0

Select a COUNTRY

| | | | | | | | |
|----------------|-----------------|---------|----------------|---------------|--------------|-------------|---------------|
| Austria | 137 129 127 | Finland | 18 16 17 | Latvia | 57 14 19 | Portugal | 137 77 79 |
| Belgium | 134 94 104 | France | 254 118 19 | Liechtenstein | 0 0 0 | Romania | 27 10 10 |
| Bulgaria | 117 23 23 | Germany | 112 64 59 | Lithuania | 93 80 17 | Slovakia | 55 19 18 |
| Croatia | 16 1 5 | Greece | 55 55 55 | Luxembourg | 91 86 75 | Slovenia | 9 4 2 |
| Cyprus | 11 9 9 | Hungary | 20 2 2 | Malta | 57 37 57 | Spain | 85 84 85 |
| Czech Republic | 29 26 19 | Iceland | 2 2 0 | Netherlands | 36 24 17 | Sweden | 62 43 59 |
| Denmark | 48 45 41 | Ireland | 42 0 7 | Norway | 14 1 1 | Switzerland | 0 0 0 |
| Estonia | 24 11 12 | Italy | 93 8 5 | Poland | 46 6 5 | | |

* status 25.11.2020

Task 2 - Summary

Key observations:

Only 1 (down from 3) EU Member State (Ireland) still
without any download services (down from 6 MS in June 2019)

Further 8 EU Member States (Croatia, Cyprus, Estonia, Hungary, Italy, Poland, Romania, Slovenia) provide 10 or less downloadable datasets

Still an overall lack of download services

(Missing references between services and data sets should by now have been fixed)

Different approaches regarding spatial data extent (local, regional, national) still present

Task 3: Common and interoperable European data models

Harmonised data models – information on INSPIRE 2016.5 wiki

- CDDA – Nationally Designated Areas
- Referencing INSPIRE in environmental reporting
- EU Registry on Industrial Sites
- Species distribution (reporting under the Invasive Alien Species Regulation)
- Natural Risk Zone (reporting under the Floods Directive) (on-going)

Latest calls for reporting obligations – reporting data flows



Eionet Portal

<https://www.eionet.europa.eu/>

Other harmonised reporting data flows including spatial information according to INSPIRE



EUROPEAN AIR QUALITY PORTAL

<https://aqportal.discomap.eea.europa.eu>

Water Framework Directive reporting
data flows

<http://cdr.eionet.europa.eu/help/WFD>

Environmental Noise directive
(Development of reporting mechanism in progress)



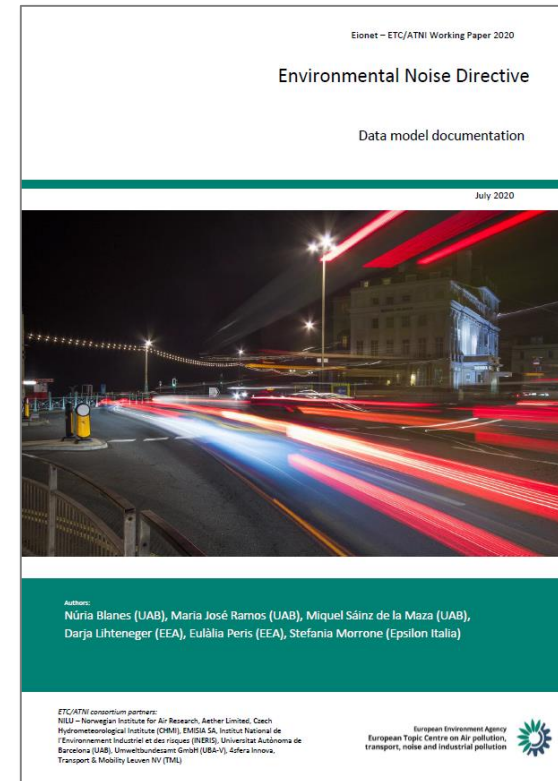
Task 3: END reporting mechanism progress

Data modelling almost completed:

- END data model (UML), included INSPIRE data models
- END data model documentation
- Creation of data templates (based on the UML data model)
 - Templates for tabular data (e.g. MS Excel)
 - Encoding rules for geoPackage:
 - Rules
 - Templates, data transformation tests
 - Sharing experiences in INSPIRE MIG-T and working group on geoPackage

Other on-going activities:

- **Reportnet 3.0:** Creating END reporting structure and testing
- **Legislation level:** In preparation Commission Implementing Decision on END mandatory information exchange mechanism



Task 4: New Geoportal functions to monitor availability

Environmental Domains

Explore Member States' priority data sets grouped by the following Environmental Domains or individual data sets.

Domains Thematic Grouping List of data sets

Air
Covers ambient air quality and cleaner air for Europe ...
Individual Data sets 105 | 41 | 38

Nature
Covers conservation of natural habitats and wild fauna and flora, wild birds...
Individual Data sets 229 | 167 | 150

Water
Covers the Water Framework Directives, Urban waste water, bathing water...
Individual Data sets 864 | 458 | 358

Noise
Covers ambient noise quality and noise for Europe...
Individual Data sets 305 | 185 | 142

Waste
Covers the landfill of waste, waste from extractive industries, soil...
Individual Data sets 20 | 6 | 6

Industrial emissions
Covers industrial emissions...
Individual Data sets 72 | 31 | 28

Industrial accidents
Covers industrial accidents...
Individual Data sets 29 | 17 | 17

See more details about the list of [priority data sets](#) to support environmental reporting.

Environmental Domains

Explore Member States' priority data sets grouped by the following Environmental Domains or individual data sets.

Domains Thematic Grouping List of data sets

1,01 - AQ management zones & agglomerations 36 | 26 | 22

24,01-24,02-24,03-24,04-25,05-24,06 - Habitat types and species distribution and range (Habitats Directive) 32 | 18 | 20

24,01-24,05 - Habitat types distribution 43 | 26 | 28

24,03-24,06 - Species distribution 43 | 28 | 27

24,09-24,10 - BIRDS distribution 24 | 15 | 15

24,07-24,08 - BIRDS range 23 | 15 | 14

24,09-24,10-24,07-24,08 - Bird species distribution and range (Birds Directive) 19 | 11 | 12

10,01-10,02-10,03-10,04-10,05 - Water bodies (Water Framework Directive) 219 | 143 | 44

10,01-10,02-10,03-10,04 - Surface water bodies (Water Framework Directive) 226 | 144 | 45

11,01-11,02-11,03-11,04-22,01-25,01-34,01-36,01 - Protected areas (Water Framework Directive) 224 | 144 | 47

14,01-14,02 - Preliminary flood risk assessment (Floods Directive) 83 | 31 | 27

15,01-15,02-15,03 - FD hazard areas 88 | 31 | 27

Task 4: New Geoportal functions to monitor availability

Environmental Domains

Explore Member States' priority data sets grouped by the following Environmental Domains or individual data sets.

Domains Thematic Grouping List of data sets

Show 10 entries

Search:

| ID | Priority Data sets | Domains | Related Keywords from INSPIRE priority data set codelist |
|-------------------------|--|----------------------|--|
| 1,01 | AQ management zones & agglomerations | Air | 51 28 25 |
| 1,01 | AQ management zones & agglomerations | Air | 36 26 22 |
| Grouping | | | |
| 2,01 | AQ model areas (incl. assessment methods - models) | Air | 26 19 16 |
| 3,01 | AQ monitoring stations (incl. assessment methods - measurements) | Air | 42 27 24 |
| 4,01 | AQ data | Air | 50 19 16 |
| 39,01 | Seveso III location of establishment | Industrial accidents | 29 17 17 |
| 27,01 29,01 30,01 | EU registry on industrial sites | Industrial emissions | 20 11 9 |
| Grouping | | | |

- Provision of MD of data sets not limited to individual countries, but the whole Europe
- Deployment of the EU translation service (English) for titles and abstracts of MD of MS data sets
- Including spatial scope coverage (national or regional territory) at country information level
- Improved pre-defined grouping by:
 - Environmental domain
 - Thematic area
 - Detailed information