



INSPIRE

Infrastructure for Spatial Information in Europe

MIWP Action 2016.5: Priority list of datasets for eReporting

Progress status

Type	Document for information and discussion
Creator	EC and EEA INSPIRE Team
Date/status/version	16/11/2018 / DRAFT / version 1.0
Addressee	MIG
Identifier	MIG/9/2018/DOC6
Description	This document sets the scene for the activities of the 2016.5 subgroup and presents the progress made.
Actions:	MIG to: <ul style="list-style-type: none"> • Take note of the document and the progress of work; • Discuss and validate the outcomes at the 8th meeting of the MIG.

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1. INSPIRE MIG MIWP Action 2016.5

The scope of this action 2016.5¹ under the "Working area 2: End user applications" of the Maintenance and Implementation Work Programme 2017-2020 has three main tasks:

- Task 1) provision of the agreed priority datasets for environmental reporting
- Task 2) Analysis "As Is"
- Task 3) Implementation

The Work programme 2017-2018 is focused on:

- Manage and update the priority list of eReporting datasets
- Make data available as-is: identify datasets, document metadata, make metadata and data available on the EU geoportal by providing network services
- Participate or track the development of the common and interoperable European data models per reporting obligation/data flow that are fit for purpose for the envisaged use case
- Monitoring the availability of pan-European datasets.

The members of the 2016.5 action met in the occasion of the INSPIRE Conference 2018.

2. Priority list of datasets for eReporting

The priority list of datasets for eReporting has been finalised as version 2.0. The priority list covers seven environmental domains, 22 EU environmental legal acts, 47 reporting obligations and identifies 96 different types of spatial data.

The priority list together with the correlated INSPIRE Priority datasets code list² are used to properly identify and describe the existing spatial datasets (provided "as is") that are available through the INSPIRE Geoportal. Such datasets were to be tagged in metadata with the dedicated keywords available in the INSPIRE registry. Further guidance is available from the priority dataset WIKI³.

¹

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

² <http://inspire.ec.europa.eu/metadata-codelist/PriorityDataset>

³ <https://ies-svn.jrc.ec.europa.eu/projects/2016-5/wiki/>

3. Availability of the datasets for eReporting through the INSPIRE Geoportal

The overviews of downloadable spatial datasets that are recognised as datasets for eReporting are available from the INSPIRE Geoportal Priority Datasets Viewer by:

- Countries
- Environmental domains or
- Environmental legislation.

In addition to this pre-selection functionalities, the INSPIRE Geoportal includes the possibility to search in the Resource Browser on all metadata available through the discovery services.

3.1. Status and progress

The European Commission addressed the INSPIRE National Contact Points (NCPs) with a letter (Implementation of the INSPIRE Directive - follow up on the list of environmental priority datasets, ENV.E.4/JR/kpc) on 25 July 2018 to express their progress and action plans for the implementation of the datasets related to the priority list of dataset for eReporting. Several INSPIRE NCPs responded and a summary of their responses is presented in the following table:

Denmark	List of priority datasets, issue: proposed to provide the backward compatibility within the INSPIRE priority dataset code list	October 2018
Ireland	Report on INSPIRE gap analysis with planned activities on providing priority datasets on “as is” basis, identification of datasets and INSPIRE network services mapped to the priority list of datasets for eReporting, enhanced cooperation with data providers in place	October 2018
Italy	List of priority datasets with information on the status of INSPIRE implementation and responsible authorities for data provision in the reporting obligations	October 2018
Poland	Plans to start publishing PDS in early 2019 and finalise end 2020. Raises the opinion that not all reporting datasets fall under the scope of INSPIRE and thus will not need to be reported without providing examples.	October 2018
Portugal	Information on planned activities to implement the proper tagging and service – data linking for the spatial datasets related to the priority list of datasets for eReporting, issue: proposed to apply the daily harvesting process in the INSPIRE Geoportal	August 2018
Romania	Updated list of spatial datasets related to the priority list of datasets for eReporting (including UUID Metadata from National Geoportal)	September 2018

Sweden	The availability and mapping between the spatial datasets and the priority list of datasets for eReporting, including information if tagging has been applied	October 2018
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Figure 1: Summary of country statements

3.2. Country overview of downloadable priority datasets

The comparison of the available downloadable priority datasets through the INSPIRE Geoportal shows a stable amount of metadata and a drop in download services (mainly triggered by a few Member States reorganising their data and thus reducing their amount of services) since June 2018. Since then, 7 Member States have started to provide metadata; 3 of them also download services.

The detailed overview shows that two groups of countries are lagging behind.

One group has not succeeded to provide neither metadata nor download services: Bulgaria, Greece, Hungary, Latvia, Liechtenstein, Lithuania, Poland, Switzerland and United Kingdom.

A second group has either not provided download services or the download services do not have a proper service–data linking and thus are not discoverable in the EU Geoportal: Croatia, France, Hungary, Ireland, Italy, Latvia and Sweden.

Country	12/11/2018		31/05/2018	
	Metadata	Download services	Metadata	Download services
Austria	76	66	61	41
Belgium	104	33	213	146
Bulgaria	0	0	0	0
Croatia	6	0	6	0
Cyprus	5	5	0	0
Czech Republic	39	4	24	1
Denmark	38	1	26	0
Estonia	21	1	78	1
Finland	19	7	6	6
France	105	0	0	0
Germany	65	40	0	0
Greece	0	0	0	0
Hungary	12	0	0	0
Iceland	2	2	0	0
Ireland	9	0	0	0

Country	12/11/2018		31/05/2018	
	Metadata	Download services	Metadata	Download services
Italy	12	0	0	0
Latvia	0	0	0	0
Liechtenstein	0	0	0	0
Lithuania	0	0	0	0
Luxembourg	67	58	240	234
Malta	54	50	55	57
Netherlands	41	12	28	0
Norway	9	1	1	1
Poland	0	0	0	0
Portugal	223	21	223	5
Romania	21	9	0	0
Slovakia	12	2	23	4
Slovenia	4	1	0	0
Spain	81	79	93	12
Sweden	24	0	27	0
Switzerland	0	0	0	0
United Kingdom	0	0	0	0
<i>Total</i>	<i>1049</i>	<i>392</i>	<i>1092</i>	<i>508</i>

Metadata – number of metadata

Download services – number of download services with proper service-data linking

Figure 2: Progress in metadata and download service delivery

3.3. Overview of priority datasets by legislation

The overview of provided metadata for the priority datasets according to the EU environmental legislation shows that only for the latest Regulation 2017/852/EU (Mercury Regulation) both metadata and download services for the datasets are not yet available.

Legislation	#Metadata	#Download services	#Countries providing Metadata	Key directive popular name
directive 1999/31/ec	2	1	2	
directive 2000/60/ec	311	106	20	Water Framework Directive
directive 2002/49/ec	145	82	16	Noise Directive
directive 2006/21/ec	1	0	1	
directive 2006/7/ec	12	7	11	

Legislation	#Metadata	#Download services	#Countries providing Metadata	Key directive popular name
directive 2007/60/ec	173	63	14	Floods Directive
directive 2008/50/ec	64	13	15	Ambient Air Quality Directive
directive 2008/56/ec	21	11	7	
directive 2009/147/ec	64	29	19	Birds Directive
directive 2010/75/eu	13	4	8	
directive 2012/18/eu	8	2	6	
directive 86/278/eec	1	0	1	
directive 91/271/eec	43	17	15	Urban Waste Water Treatment Directive
directive 91/676/eec	26	12	9	
directive 92/43/eec	99	49	19	Habitats Directive
directive 98/83/ec	6	2	3	
EEA annual work programme	98	16	16	Largely Nationally Designated Areas CDDA
national legislation	12	5	7	
recommendation 2014/70/EU	3	1	3	
regulation (EC) 166/2006	20	7	12	
regulation (EU) 1143/2014	6	1	4	
regulation (EU) 2017/852	0	0	0	

Figure 3: Metadata and download services per Member State and by legislation

The majority of the data is provided based on the legislation on nature and biodiversity, water, air and noise. Looking from the perspective of legislation the number of countries (among 32 countries) that provide metadata for the spatial datasets is very diverse with a maximum of 20 countries that provide the metadata for the priority datasets related to the Directive 2000/60/EC – Water Framework Directive.

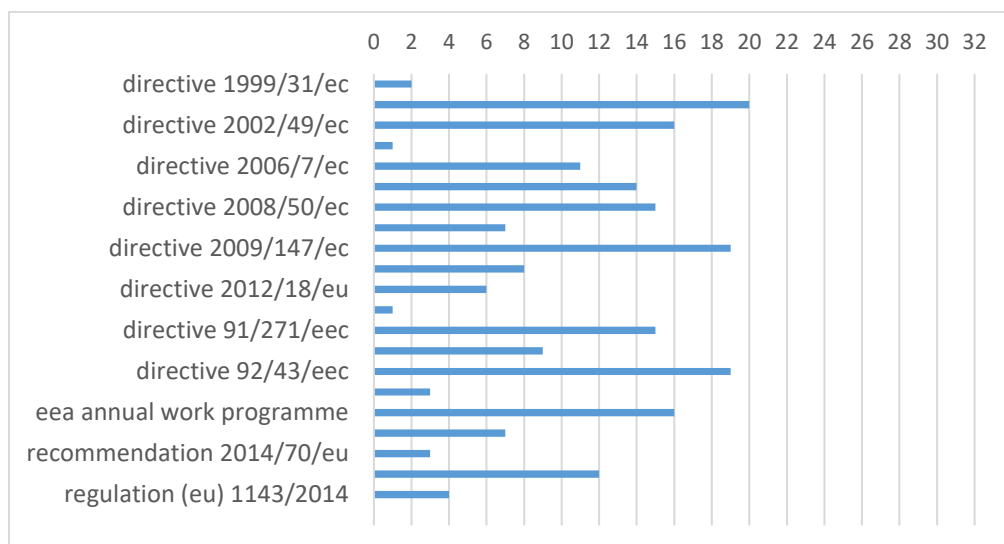


Figure 4: Number of Member Countries by legislation

3.4. Example: Priority datasets related to the Habitats and Birds Directives

The MIG had agreed to focus the initial provision of AS-IS data on nature and biodiversity related reporting – in particular data that is needed to describe the Natura 2000 situation. The downloadable priority datasets established according to the Directive 92/43/EEC (Habitats Directive) and Directive 209/147/EC (Birds Directive) are listed below.

Country	Habitats Directive	Birds Directive
Austria	10	8
Belgium	7	2
Cyprus	1	
Czech Republic	2	2
Finland	1	1
Germany	3	2
Iceland	1	
Italy	2	
Luxembourg	7	3
Malta	5	3
Netherlands	3	2
Portugal	4	2
Romania	1	1
Slovenia		1
Spain	4	2
Total	51	29

Figure 5: Natura 2000 related datasets for download (excluding WfD reporting on habitats)

In summary, 14 Member States have provided download services for the Habitats Directive and 12 for the Birds Directive. This is less than half of the Member States.

Technical recommendation: In providing this analysis, we discovered that further spatial datasets of Natura 2000 sites (part of datasets related to Habitats and Birds Directives) may be already available in the INSPIRE infrastructure but are not easily discoverable due to the quality of the applied metadata keywords from the INSPIRE Priority data set code list¹.

Therefore, we strongly recommend that:

- The most precise metadata keyword(s), indicating the content and purpose of the dataset, is applied, instead of more general keywords, e.g. legislation, and
- The identified priority datasets are indeed those that include authoritative data for the reporting obligation used in the reporting data flow.