

INSPIRE on tools workshop

Geoportal, Registry, Validator

Robert Tomas, Michael Lutz, Lorena Hernandez, Marco Minghini, Daniele Francioli, Emanuela Epure

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science and knowledge service**

Joint Research Centre

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European
Commission

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Workshop objectives

- Get familiar with the INSPIRE tools:
 - Geoportal
 - Registry
 - Validator
- Understand how the tools are interlinked
- Provide some training/tips to:
 - search, view and download data sets
 - tag a data set as a priority data set & validate it
- Optionally, learn where the best birdwatching places are in Belgium
(Other than *Antwerpen Zoo*'s beautiful flamingos)

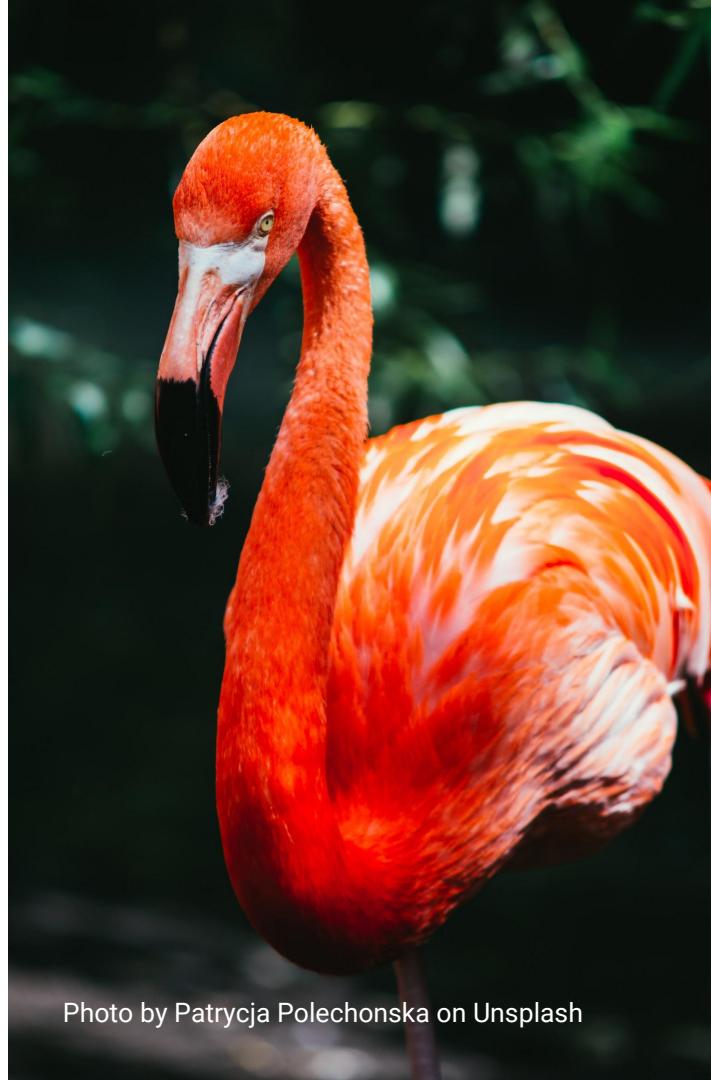


Photo by Patrycja Polechonska on Unsplash

Workshop agenda

- Quick presentation of the INSPIRE tools
- Part 1 (User-focused)
 - demo by facilitators
 - hands-on session & quiz by participants
- Part 2 (Implementer-focused)
 - demo by facilitators
 - hands-on session & continuation of quiz by participants
- Wrap up
 - Feedback
 - Quiz results & awards
 - Conclusions

Workshop requirements

- No specific requirements!
 - basic knowledge on INSPIRE is a plus
- Use your own laptop, or any other device
- Be sure the following software is installed:
 - QGIS 3.2 (<https://qgis.org>)
 - GeoNetwork 3.4.3 (<https://geonetwork-opensource.org>)
 - a text editor, e.g. Notepad++ (<https://notepad-plus-plus.org>)
 - a browser
- Some binoculars?



Photo by [Edi Libedinsky](#) on [Unsplash](#)

Introduction

Photo by [Shlomo Shaley](#) on [Unsplash](#)

INSPIRE Geoportal

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

Welcome to the INSPIRE Geoportal

The INSPIRE Geoportal is the central European access point to the data provided by EU Member States and several EFTA countries under the INSPIRE Directive. The Geoportal allows:

- monitoring the availability of INSPIRE data sets;
- discovering suitable data sets based on their descriptions (metadata);
- accessing the selected data sets through their view or download services.

The metadata used in the Geoportal are regularly harvested from the discovery services of EU Member States and EFTA countries. The status of harvesting is available [here](#).

Feedback regarding the functionality as well as data set availability is welcome [here](#).

Priority Data Sets Viewer

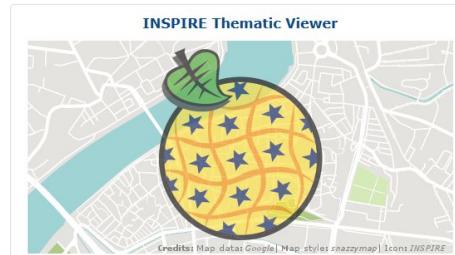


Credits: Map data: Google | Map style: snazzymap | Icons: Nick Roach

The application displays the availability and provides access to the selected priority data sets [1](#) used for environmental reporting. It allows filtering by environmental domain, environmental legislation and country.

[Browse Priority Data Sets](#)

INSPIRE Thematic Viewer



Credits: Map data: Google | Map style: snazzymap | Icons: INSPIRE

The application displays the availability and provides access to all EU MS data sets falling under the scope of INSPIRE Directive filtered by data themes and countries (i.e. Annex I, II and III).

[Browse INSPIRE Thematic Data Sets](#)

Priority Data Sets - EU & EFTA Countries overview



Select a COUNTRY					
Austria	74	64	65	Finland	19 ↕ 0 11
Belgium	105	35	63	France	0 ↕ 0 0
Bulgaria	0	0	0	Germany	65 ↕ 37 25
Croatia	6	1	1	Greece	0 ↕ 0 0
Cyprus	5	5	5	Hungary	0 ↕ 0 0
Czech Republic	39	4	10	Iceland	0 ↕ 0 0
Denmark	37	5	5	Ireland	91 ↕ 0 0
Estonia	21	1	1	Italy	1 ↕ 0 0
Finnland	0	0	0	Latvia	0 ↕ 0 0
France	0	0	0	Liechtenstein	0 ↕ 0 0
Germany	65	37	25	Lithuania	0 ↕ 0 0
Greece	0	0	0	Luxembourg	65 ↕ 55 48
Hungary	0	0	0	Malta	54 ↕ 50 54
Iceland	0	0	0	Netherlands	47 ↕ 16 30
Ireland	91	0	0	Norway	7 ↕ 0 1
Italy	1	0	0	Poland	0 ↕ 0 0
Latvia	0	0	0	Portugal	210 ↕ 6 79
Liechtenstein	0	0	0	Romania	11 ↕ 1 1
Lithuania	0	0	0	Slovakia	11 ↕ 4 6
Luxembourg	65	55	48	Slovenia	1 ↕ 1 0
Malta	54	50	54	Spain	81 ↕ 68 72
Netherlands	47	16	30	Sweden	21 ↕ 0 14
Norway	7	0	1	Switzerland	0 ↕ 0 0
Poland	0	0	0	United Kingdom	0 ↕ 0 0

INSPIRE Registry

<http://inspire.ec.europa.eu/registry>

INSPIRE registry

Search...

Help us improving the Re3gistry software! Please fill our quick survey at <http://europa.eu/!Bn84Ct> 

ID: <http://inspire.ec.europa.eu/registry>

Label: INSPIRE registry

Content Summary:
The INSPIRE infrastructure involves a number of items, which require clear descriptions and the possibility to be referenced through unique identifiers. Examples for such items include INSPIRE themes, code lists, application schemas or discovery services. Registers provide a means to assign identifiers to items and their labels, definitions and descriptions (in different languages). The INSPIRE registry provides a central access point to a number of centrally managed INSPIRE registers. The content of these registers are based on the INSPIRE Directive, Implementing Rules and Technical Guidelines.

Registry manager: European Commission, Joint Research Centre

Other formats:



XML
Registry



XML
ISO 19135



RDF/XML



JSON



Atom



CSV

Registers

Filter Label

Label
INSPIRE application schema register
INSPIRE code list register
INSPIRE enumeration register
INSPIRE feature concept dictionary
INSPIRE glossary
INSPIRE layer register
INSPIRE media-types register
INSPIRE metadata code list register
INSPIRE reference document register
INSPIRE theme register

INSPIRE metadata code list register

Search...

Help us improving the Re3gistry software! Please fill our quick survey at <http://europa.eu/!Bn84Ct> 

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

Label: INSPIRE metadata code list register

Content Summary:
The INSPIRE metadata code list register contains the code lists and their values, as defined in the INSPIRE implementing rules on metadata (Commission Regulation (EC) No 1205/2008).

Owner: European Union

Register manager: European Commission, Joint Research Centre

Control body: Control body for the central INSPIRE registers and INSPIRE register federation

Submitter: Nominated submitting organisations for the central INSPIRE registers and INSPIRE register federation

Contact point: JRC INSPIRE Registry Team

Licence: Europa Legal Notice

Other formats:



XML
Registry



XML
ISO 19135



RDF/XML



JSON



Atom



CSV

Metadata Code Lists

Show only valid items

Filter Label

Label	Status
Classification of spatial data services	Valid
Conditions Applying To Access and Use	Valid
Degree of conformity	Valid
INSPIRE priority data set	Valid
Limitations on public access	Valid
Online description code	Valid
Quality of Service criteria code	Valid
Resource type	Valid
Responsible party role	Valid
Spatial data service type	Valid
Topic categories in accordance with EN ISO 19115	Valid

INSPIRE Validator

<http://inspire-sandbox.jrc.ec.europa.eu/etf-webapp/>

ETF

Start test Status Test reports Help

Executable Test Suites

To start a Test Run, select one or multiple Test Suites with a click on the flip switches on the right-hand side ("use") and press the "Start" button that appears once at least one Test Suite is selected. Please note that the Test Suites are only applicable to certain Test Object types and therefore not all Test Suites are combinable for a Test Run. Additional information about a Test Suite will be shown with a click on the plus button.

Filter items...

Download Services (Technical Guidance version 3.1)

- + Conformance Class: Download Service - Direct WFS
- + Conformance Class: Download Service - Pre-defined Atom
- + Conformance Class: Download Service - Pre-defined WFS

Metadata (Technical Guidance version 1.3)

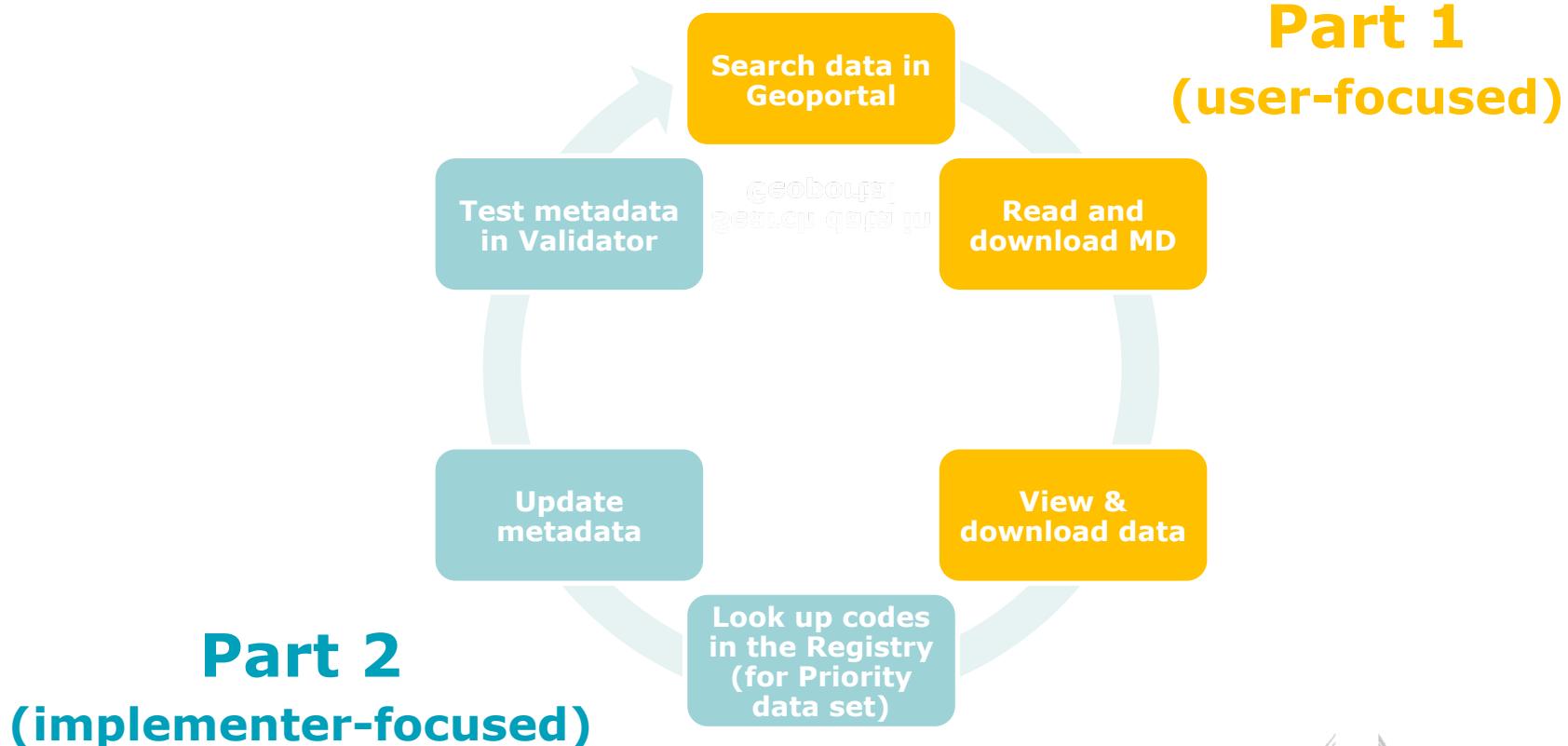
- + Conformance class: INSPIRE Profile based on EN ISO 19115 and EN ISO 19119
- + Conformance class: Metadata for interoperability

Metadata (Technical Guidance version 2.0)

- + Common Requirements for ISO/TC 19139:2007 based INSPIRE metadata records.

ETF WebApp 2.0.0-b180907T2002 © 2017-2018 European Union

The process



Part 1

Demo

INSPIRE Geoportal – Viewers

- Allows to search, view & download data sets using 2 viewers:
 - Priority Datasets Viewer
 - INSPIRE Thematic Viewer

Priority Data Sets Viewer



Credits: Map data: Google | Map style: snazzymap | Icon: Nick Roach

The application displays the availability and provides access to the selected priority data sets used for environmental reporting. It allows filtering by environmental domain, environmental legislation and country.

[Browse Priority Data Sets](#)

INSPIRE Thematic Viewer



Credits: Map data: Google | Map style: snazzymap | Icon: INSPIRE

The application displays the availability and provides access to all EU MS data sets falling under the scope of INSPIRE Directive filtered by data themes and countries (i.e. Annex I, II and III).

[Browse INSPIRE Thematic Data Sets](#)

INSPIRE Thematic Viewer

- Displays the availability and provides access to all EU MS data sets falling under the scope of INSPIRE Directive, filtered by:
 - spatial data themes (Annex I, II and III)
 - countries (EU and EFTA)

INSPIRE Thematic Viewer



Credits: Map: data: Google | Map styles: snazzymap | Icons: INSPIRE

The application displays the availability and provides access to all EU MS data sets falling under the scope of INSPIRE Directive filtered by data themes and countries (i.e. Annex I, II and III).

[Browse INSPIRE Thematic Data Sets](#)

INSPIRE Thematic Viewer

- [Home](#)
- [Countries overview](#)
- [INSPIRE Data Themes](#)

Browse INSPIRE Data Sets:

Country overview



Availability of INSPIRE data sets grouped by individual EU & EFTA countries

INSPIRE Data Themes



Availability of INSPIRE data sets grouped by INSPIRE data themes

INSPIRE Thematic Viewer – Data themes

Display

Grid

List

switch from the grid to the list view

Annex I

 **Addresses**
Def.: Location of properties based on address identifiers...

[i](#) [528](#) | [32](#) | [48](#)

 **Administrative units**
Def.: Units of administration, dividing areas where Member...

[i](#) [1656](#) | [77](#) | [273](#)

 **Cadastral parcels**
Def.: Areas defined by cadastral registers or equivalent.

[i](#) [8873](#) | [47](#) | [69](#)

 **Geographical grid systems**
Def.: Harmonised multi...

[i](#) [154](#) | [6](#) | [23](#)

 **Geographical names**
Def.: Names of areas, regions, localities, cities, suburbs...

[i](#) [1596](#) | [50](#) | [57](#)

 **Hydrography**
Def.: Hydrographic elements, including marine areas and al...

[i](#) [2425](#) | [182](#) | [264](#)

 **Protected sites**
Def.: Area designated or managed within a framework...

[i](#) [2472](#) | [292](#) | [466](#)

 **Coordinate reference systems**
Def.: Systems for uniquely...

[i](#) [132](#) | [2](#) | [6](#)

 **Transport networks**
Def.: Road, rail, air and water transport networks and rel...

[i](#) [3185](#) | [123](#) | [444](#)

Annex II

 **Elevation**
Def.: Digital elevation models for land, ice and ocean sur...

[i](#) [4463](#) | [131](#) | [252](#)

 **Geology**
Def.: Geology characterised according to composition...

[i](#) [2314](#) | [132](#) | [467](#)

 **Land cover**
Def.: Physical and biological cover of the earth's surface...

[i](#) [1917](#) | [143](#) | [210](#)

 **Orthoimagery**
Def.: Geo-referenced image data of the Earth's surface, fr...

[i](#) [1997](#) | [102](#) | [161](#)

aggregated statistics for each theme on the number of metadata records, downloadable and viewable datasets for the EU & EFTA Countries

INSPIRE Thematic Viewer – Data themes

Data Sets - Protected sites of Europe 



INSPIRE Geoportal Data Set Statistics

2472 Metadata records

292 Downloadable Data Sets

Leaflet | Credits: © OpenStreetMap contributors | EC-GISCO, © EuroGeographics for the administrative boundaries (Disclaimer)

switch map visualization only to
downloadable or viewable data sets

aggregated statistics on the
number of metadata records and
downloadable datasets for the EU
& EFTA Countries, for the selected
theme

Select a COUNTRY				
 Austria	 62	 41	 33	 3
 Belgium	 17	 14	 16	 1
 Bulgaria	 0	 0	 0	 0
 Croatia	 6	 0	 0	 0
 Cyprus	 3	 0	 2	 2
 Czech Republic	 8	 6	 7	 7
 Denmark	 5	 5	 5	 5
 Estonia	 3	 1	 2	 2
 Finland	 72	 0	 4	 4
 France	 774	 94	 189	 189
 Germany	 419	 76	 103	 103
 Greece	 5	 0	 4	 4
 Hungary	 7	 0	 1	 1
 Iceland	 2	 1	 0	 0
 Ireland	 9	 4	 0	 0
 Italy	 382	 0	 8	 8
 Latvia	 5	 0	 3	 3
 Liechtenstein	 21	 1	 1	 1
 Lithuania	 7	 0	 1	 1
 Luxembourg	 8	 8	 8	 8
 Malta	 4	 4	 4	 4
 Netherlands	 16	 9	 16	 16
 Norway	 9	 0	 1	 1
 Poland	 15	 2	 1	 1
 Portugal	 121	 0	 13	 13
 Romania	 3	 1	 1	 1
 Slovakia	 5	 0	 0	 0
 Slovenia	 9	 1	 0	 0
 Spain	 9	 8	 9	 9
 Sweden	 17	 0	 14	 14
 Switzerland	 17	 0	 0	 0
 United Kingdom	 432	 16	 20	 20

statistics on the number of
metadata records, downloadable
and viewable data sets by country,
for the selected theme

INSPIRE Thematic Viewer – Data themes

 Protected sites Data sets in Ireland

filter datasets according to whether they are downloadable, viewable, or have a national coverage

9 | 4 | 0

Countries	Filters:	Downloadable	Viewable	Show data with national coverage
Themes				
switch to another country or theme access each specific data set				
Title	Properties			
NPWS - Natural Heritage Areas (Metadata)				
NPWS - Special Protection Areas (Metadata)				
NPWS - Special Areas of Conservation (Metadata)				
DAHG - National Monuments (Metadata)				
Local authorities - Tree Preservation Orders (national INSPIRE data set)				
Local authorities - Record of Protected Structures (national INSPIRE data set)				
DAHG - UNESCO World Heritage Sites				
DAHG - Shipwreck Inventory of Ireland				
Geological Survey of Ireland - Geological Heritage				
Title	Properties			
Show 10 entries	Showing 1 to 9 of 9 entries	Previous	1	Next

INSPIRE Thematic Viewer – Country overview

INSPIRE Data Sets - EU & EFTA Country overview



switch map visualization only to
downloadable or viewable data sets

aggregated statistics on the
number of metadata records and
downloadable datasets for the EU
& EFTA Countries

Select a COUNTRY				
Austria	739	568	556	
Belgium	538	156	397	
Bulgaria	29	0	0	
Croatia	121	0	3	
Cyprus	42	32	37	
Czech Republic	151	15	63	
Denmark	175	5	6	
Estonia	73	12	23	
Finland	563	17	42	
France	35158	1923	11270	
Germany	24333	5430	6467	
Greece	28	0	24	
Hungary	110	0	1	
Iceland	88	2	0	
Ireland	54	4	0	
Italy	19706	10	385	
Latvia	142	0	4	
Liechtenstein	70	11	15	
Lithuania	48	1	5	
Luxembourg	228	101	151	
Malta	154	129	150	
Netherlands	201	81	140	
Norway	165	0	1	
Poland	9375	53	17	
Portugal	1124	67	207	
Romania	111	4	8	
Slovakia	221	8	12	
Slovenia	97	6	8	
Spain	217	119	138	
Sweden	266	14	120	
Switzerland	194	2	4	
United Kingdom	20787	64	317	

statistics on the number of
metadata records, downloadable
and viewable data sets by country

INSPIRE Priority Data Sets Viewer

- Explores the data sets identified as priority data sets for environmental reporting, filtered by:
 - environmental domain
 - environmental legislation
 - country

Priority Data Sets Viewer



Credits: Map data: Google, Map style: snazzymap | Icons: Nick Reach

The application displays the availability and provides access to the selected priority data sets used for environmental reporting. It allows filtering by environmental domain, environmental legislation and country.

Browse Priority Data Sets

Priority Data Sets Viewer

- Home
- Country overview
- Environmental Domains
- E-Reporting Legislation

Browse Priority Data Sets:

- Country overview**

Priority Data Sets grouped by individual EU & EFTA countries
- Environmental Domains**

Priority Data Sets grouped by 6 environmental domains
- Environmental Legislation**

Priority Data Sets grouped by relevant environmental reporting legislation

Priority Data Sets Viewer – Country overview

Priority Data Sets - EU & EFTA Country overview



switch map visualization only to
downloadable or viewable data sets

aggregated statistics on the
number of metadata records and
downloadable datasets for the EU
& EFTA Countries

Select a COUNTRY					
Austria	74 ↕ 64 ↕ 65	Finland	19 ↕ 0 ↕ 11	Latvia	0 ↕ 0 ↕ 0
Belgium	105 ↕ 35 ↕ 63	France	0 ↕ 0 ↕ 0	Liechtenstein	0 ↕ 0 ↕ 0
Bulgaria	0 ↕ 0 ↕ 0	Germany	65 ↕ 37 ↕ 25	Lithuania	0 ↕ 0 ↕ 0
Croatia	6 ↕ 0 ↕ 1	Greece	0 ↕ 0 ↕ 0	Luxembourg	65 ↕ 55 ↕ 48
Cyprus	5 ↕ 5 ↕ 5	Hungary	0 ↕ 0 ↕ 0	Malta	54 ↕ 50 ↕ 54
Czech Republic	39 ↕ 4 ↕ 10	Iceland	0 ↕ 0 ↕ 0	Netherlands	47 ↕ 16 ↕ 30
Denmark	37 ↕ 5 ↕ 5	Ireland	9 ↕ 0 ↕ 0	Norway	7 ↕ 0 ↕ 1
Estonia	21 ↕ 1 ↕ 1	Italy	1 ↕ 0 ↕ 0	Poland	0 ↕ 0 ↕ 0

statistics on the number of
metadata records, downloadable
and viewable data sets by country

Priority Data Sets Viewer – Env. domain

Environmental Domains

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



Air & Noise

Covers ambient air quality and cleaner air for Europe, industrial emissions...



[242](#) | [120](#) | [142](#)



Industry

Covers industrial emissions and industrial accidents...



[63](#) | [27](#) | [35](#)



Waste

Covers the landfill of waste, waste from extractive industries, soil...



[69](#) | [23](#) | [35](#)



Nature & Biodiversity

Covers conservation of natural habitats and wild fauna and flora, wild birds...



[223](#) | [84](#) | [118](#)



Water

Covers the Water Framework Directive, Urban waste water, bathing water...



[454](#) | [165](#) | [255](#)



Marine

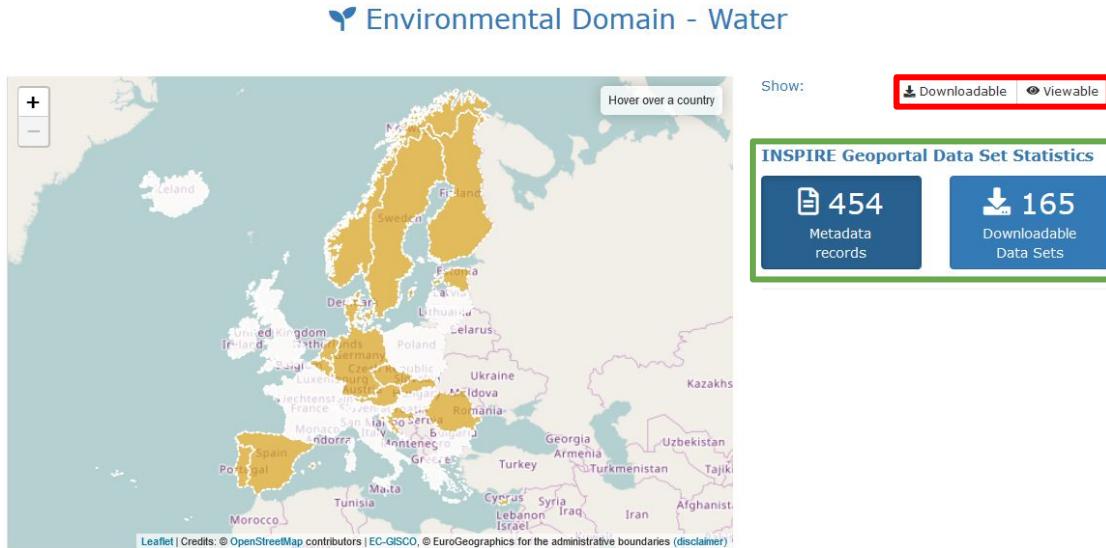
Covers the Marine Strategy Framework Directive, marine environmental policy...



[52](#) | [26](#) | [34](#)

**aggregated statistics for each environmental domain
on the number of metadata records, downloadable
and viewable datasets for the EU & EFTA Countries**

Priority Data Sets Viewer – Env. domain



switch map visualization only to downloadable or viewable data sets

aggregated statistics on the number of metadata records and downloadable datasets for the EU & EFTA Countries, for the selected environmental domain

Select a COUNTRY

Austria	42 37 38	Finland	10 5 5	Latvia	0 0 0	Portugal	130 1 57
Belgium	60 16 30	France	0 0 0	Liechtenstein	0 0 0	Romania	8 0 0
Bulgaria	0 0 0	Germany	15 8 10	Lithuania	0 0 0	Slovakia	4 2 3
Croatia	1 0 0	Greece	0 0 0	Luxembourg	33 26 24	Slovenia	0 0 0
Cyprus	5 5 5	Hungary	0 0 0	* Malta	23 22 23	Spain	51 40 44
Czech Republic	28 0 1	Iceland	0 0 0	Netherlands	14 8 11	Sweden	5 0 4
Denmark	10 0 0	Ireland	0 0 0	Norway	5 0 0	Switzerland	0 0 0
Estonia	10 0 0	Italy	0 0 0	Poland	0 0 0	United Kingdom	0 0 0

statistics on the number of metadata records, downloadable and viewable data sets by country, for the selected environmental domain

Priority Data Sets Viewer – Env. domain

Water Data sets in Finland
filter datasets according to whether they are
downloadable, viewable, or have a national coverage + 10 | 0 | 5

Countries ▾

Environmental Domains ▾

switch to another country or environmental domain

Filters: Downloadable Viewable Show data with national coverage ⓘ

Title	Properties
+ Uimavesidirektiivin mukaiset uimavedet	⊕ ⓘ
+ Vesipuitedirektiivin mukaiset vesimuodostumat	⊕ ⓘ
+ Tulvariskialueet	⊕ ⓘ
+ Tulvavaaravyöhykkeet	⊕ ⓘ
+ Vesienhoitoalueet	⊕ ⓘ
+ Havaitut tulva-alueet	⊕
+ INSPIRE-tietotuote: Vesipuitedirektiivin mukaiset vesimuodostumat	⊕
+ INSPIRE-tietotuote: Vesienhoitoalueet	⊕
+ Vesienhoitoalueiden seurantapaikat, pintavesi	⊕
+ Vesienhoitoalueiden seurantapaikat, pohjavesi	⊕

access each specific data set

Show 10 entries Showing 1 to 10 of 10 entries Previous 1 Next

Priority Data Sets Viewer – Env. legislation

Environmental Reporting Legislation
Explore Member States' priority data sets grouped by related e-Reporting legislation.

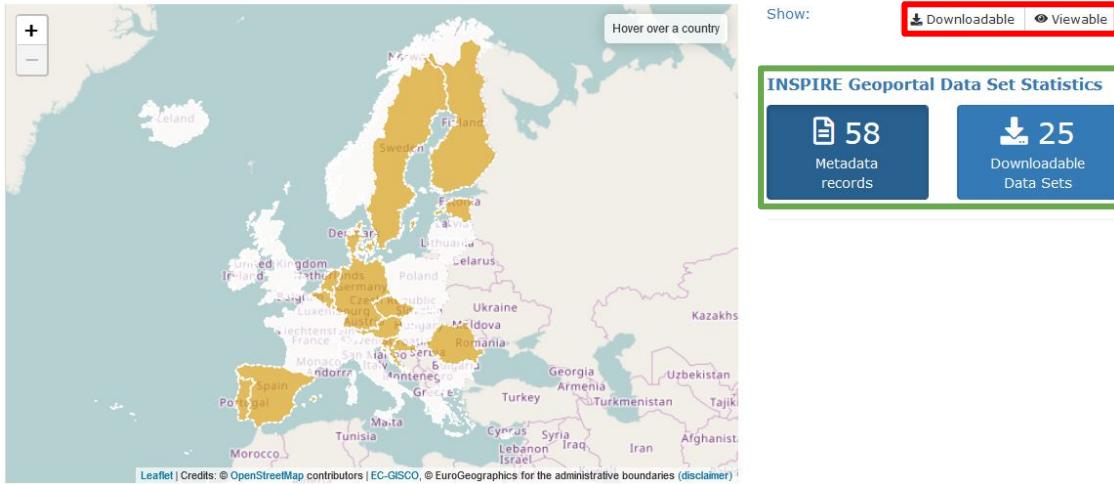
Display Grid List

Directive 1999/31/EC Info Landfill of Waste Directive 0 0 0	Directive 2000/60/EC Info Water Framework Directive 214 86 125	Directive 2002/49/EC Info Noise Directive 58 31 35	Directive 2006/21/EC Info Extractive Waste Directive 1 0 0
Directive 2006/7/EC Info Bathing Water Directive 14 7 10	Directive 2007/60/EC Info Floods Directive 74 19 35	Directive 2008/50/EC Info Air Quality Directive 57 17 26	Directive 2008/56/EC Info Marine Strategy Framework Directive 1 6 8
Directive 2009/147/EC Info Birds Directive 58 25 29	Directive 2010/75/EU Info Industrial Emissions Directive 11 4 4	Directive 2012/18/EU Info SEVESO III Directive 7 2 6	Directive 86/278/EEC Info Sewage Sludge Directive 1 0 0
Directive 91/271/EEC Info Urban Waste Water Treatment Directive 41 12 23	Directive 91/676/EEC Info Nitrates Directive 23 9 10	Directive 92/43/EEC Info Habitats Directive 87 37 46	Recommendation 2014/70/EU Info Recommendation on hydraulic fracturing 3 1 1
Regulation (EC) 166/2006 Info European Pollutant Release and Transfer Register 17 7 7	Regulation (EU) 1143/2014 Info Invasive Alien Species Directive 6 1 1	Regulation (EU) 2017/852 Info Mercury Regulation 0 0 0	EEA Annual Work Programme Info Nationally designated areas - CDDA 64 10 25
National legislation Info National biogeographical regions 8 4 5			

aggregated statistics for each environmental legislation on the number of metadata records, downloadable and viewable datasets for the EU & EFTA Countries

Priority Data Sets Viewer – Env. legislation

 Legislation - Directive 2009/147/EC



**switch map visualization only to
downloadable or viewable data sets**

aggregated statistics on the number of metadata records and downloadable datasets for the EU & EFTA Countries, for the selected environmental legislation

Select a COUNTRY											
Austria	6	5	5	Finland	4	0	3	Latvia	0	0	0
Belgium	2	2	2	France	0	0	0	Liechtenstein	0	0	0
Bulgaria	0	0	0	Germany	2	2	0	Lithuania	0	0	0
Croatia	2	0	0	Greece	0	0	0	Luxembourg	3	3	3
Cyprus	0	0	0	Hungary	0	0	0	Malta	3	3	3
Czech Republic	3	2	3	Iceland	0	0	0	Netherlands	3	2	3
Denmark	4	2	2	Ireland	0	0	0	Norway	0	0	0
Estonia	3	0	0	Italy	0	0	0	Poland	0	0	0
								Portugal	16	0	2
								Romania	2	1	1
								Slovakia	0	0	0
								Slovenia	1	1	0
								Spain	3	2	2
								Sweden	1	0	0
								Switzerland	0	0	0
								United Kingdom	0	0	0

statistics on the number of metadata records, downloadable and viewable data sets by country, for the selected environmental legislation



Priority Data Sets Viewer – Env. legislation

Natura 2000 - Biotopes

Download Options ▾

View Options ▾

Data set Metadata ▾

explore the data set metadata

Resource Title

Natura 2000 - Biotopes

Resource Abstract

The submission of sites to the EC entails the preparation of a datasheet and a map for each site, that is for each proposed SCI and for each SPA, unless a proposed SCI has the exact boundary as an SPA; in the latter case only one datasheet is prepared comprising all relevant information. Reference can be made to the Natura 2000 viewer - including datasheets (link: <http://natura2000.eea.europa.eu/>) and to the Natura 2000 database (link: <http://www.eea.europa.eu/data-and-maps/data/natura-2000>) to obtain information on each Natura 2000 site for almost all of the EU Member States. Information for the sites nominated by Malta are also available through these same links.

Lineage

2012 Submission was made on 31 October 2012; 2011 Submission was made on 24 October 2011; 2010 Submission was made on 06 December 2010.

Unique Resource Identifier

Code: N2000_MT_biotopes

Namespace: <https://era.org.mt/>

Spatial Data Theme

Habitats and biotopes

Topic Category

biota
environment

Conditions Applying To Access And Use

No conditions apply

Limitations On Public Access

Some data on sensitive species is restricted from public access, as the disclosure of such might adversely affect the conservation of the species in question; this is in line with the provisions of Article 4 2(h) of Directive 2003/4/EC.

Geographic Bounding Box



Responsible Party

Organisation name Environment and Resources Authority

E-mail info@era.org.mt

Metadata Point Of Contact

Organisation name Environment and Resources Authority

E-mail info@era.org.mt

Metadata Language

eng

fileIdentifier

aacd6c49-31b1-4278-9b9f-4a8d822d686e

Metadata Date

2018-05-15T08:22:54

Download metadata

[application/vnd.iso.19139+xml](#)

download XML metadata



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Natura 2000 - Biotopes

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view the data set

Search..

View link	Layer title	Layer name	CRS	Desktop Tool ⓘ	Service metadata
Preview Data Set ⚠	Habitat Natura2000 Biotope	HB.HabitatNatura2000Biotope	EPSG:4258	Google Earth	
Preview Data Set ⚠	Habitat Natura2000 Biotope	HB.Habitat.Natura2000Biotope	EPSG:4258	Google Earth	

**get a preview of the data set
(WMS GetMap response)**

view the dataset on Google Earth

Data set Metadata ▾

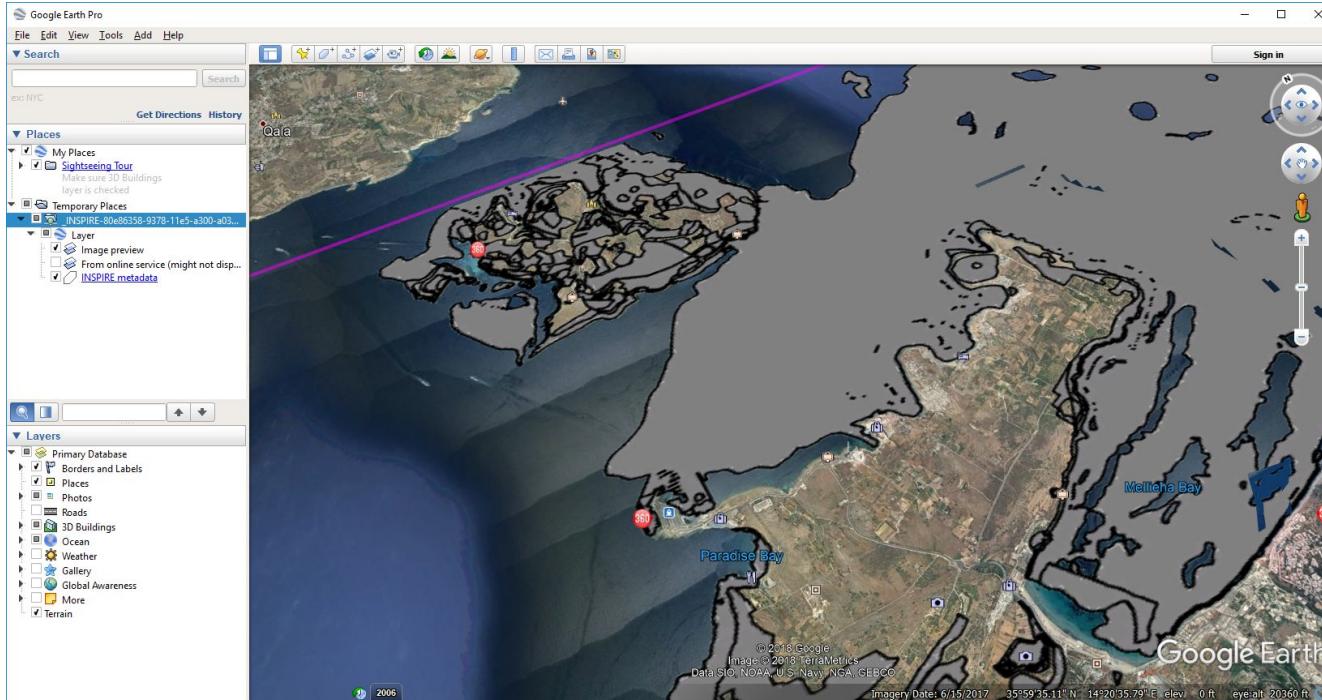
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- Data set preview - WMS GetMap response:
 - https://msdi.data.gov.mt/geoserver/MITA_WMS/ows?request=GetMap&FORMAT=image/png&CRS=CRS:84&SRSKEY=CRS&STYLES=&WIDTH=1524&HEIGHT=1524&version=1.3.0&LAYERS=HB.Habitat.Natura2000Biotope&PROJECTION=CRS:84&BBOX=14.277638141110959,35.87987610678727,14.554937407750533,36.0203617783958&service=WMS&TRANSPARENT=TRUE



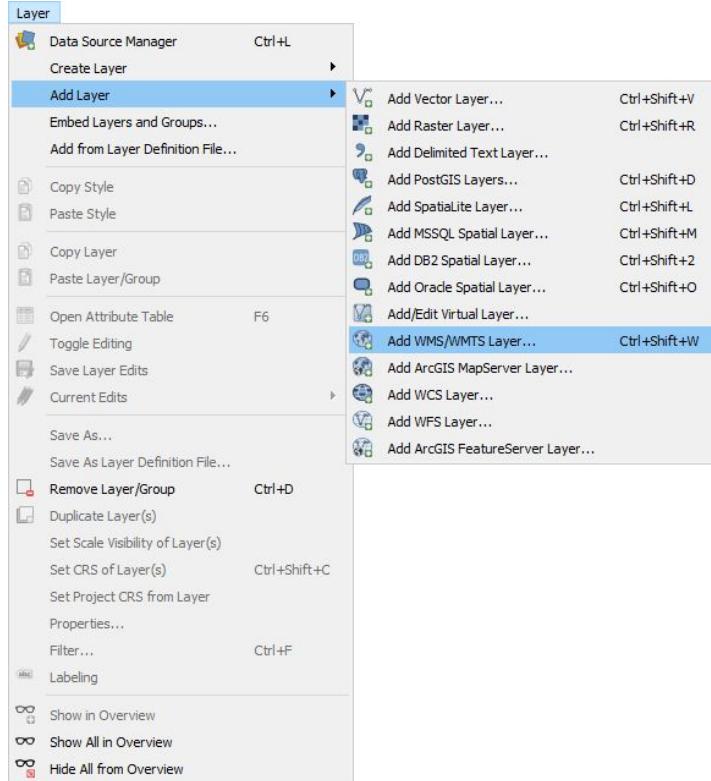
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- Data set preview - Google Earth:



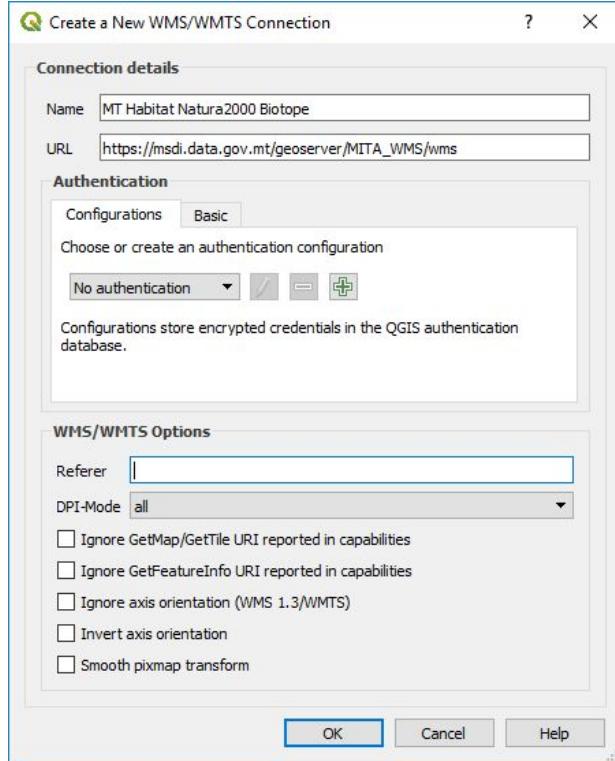
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- Data set preview - QGIS:
 - open the menu Layer → Add Layer
→ Add WMS/WMTS Layer



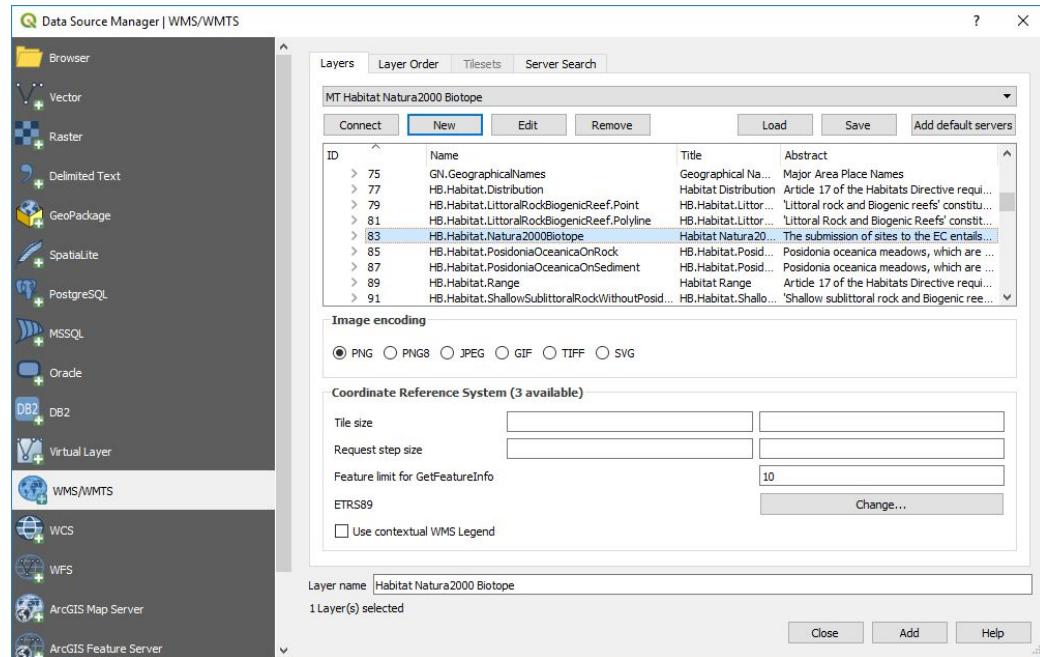
Priority Data Sets Viewer – Env. legislation

- Data set preview - QGIS:
 - set the WMS server URL as
https://msdi.data.gov.mt/geoserver/MITA_WMS/wms
 - click OK



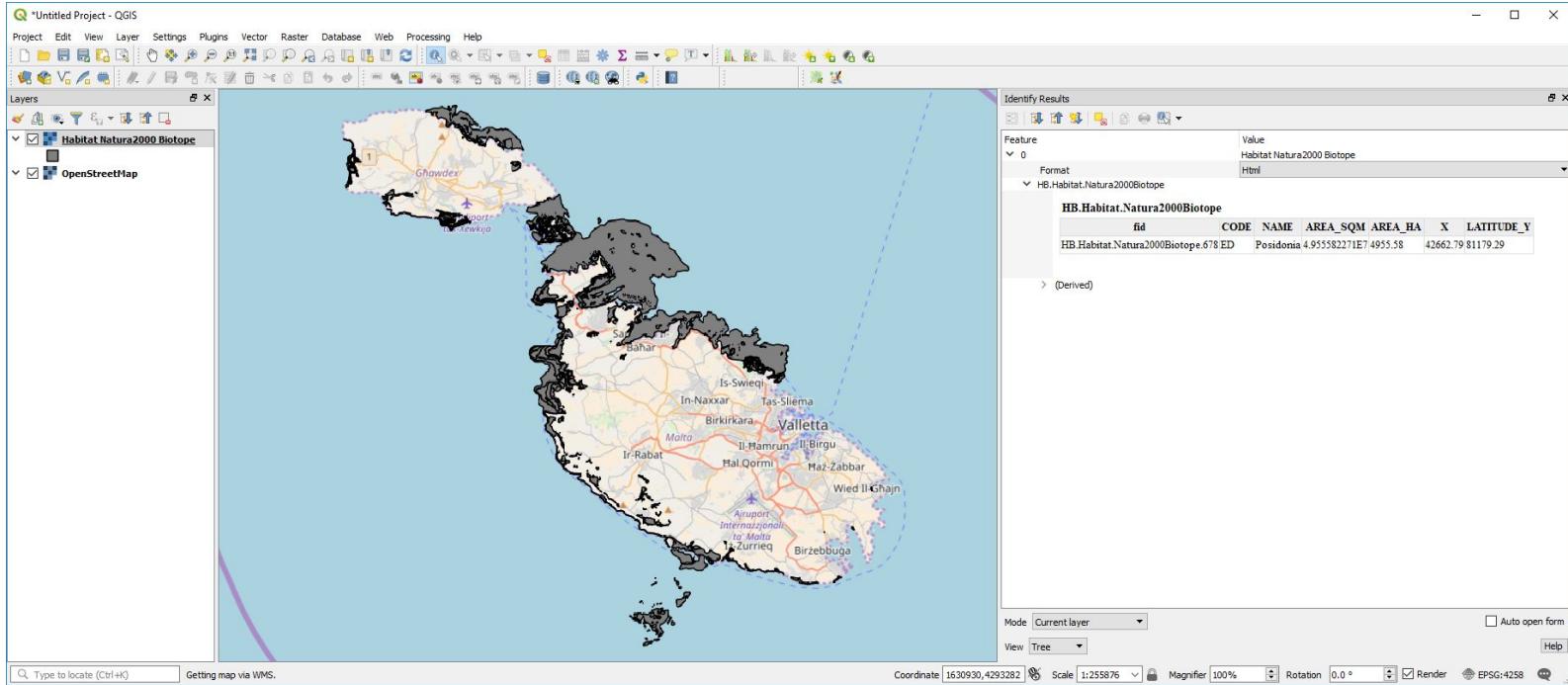
Priority Data Sets Viewer – Env. legislation

- Data set preview - QGIS:
 - click **Connect** and then choose the layer **HB.Habitat.Natura2000Biotope**
 - click **Add**



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- Data set preview - QGIS:



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Natura 2000 - Biotopes

Download Options [download the data set](#)

Search..

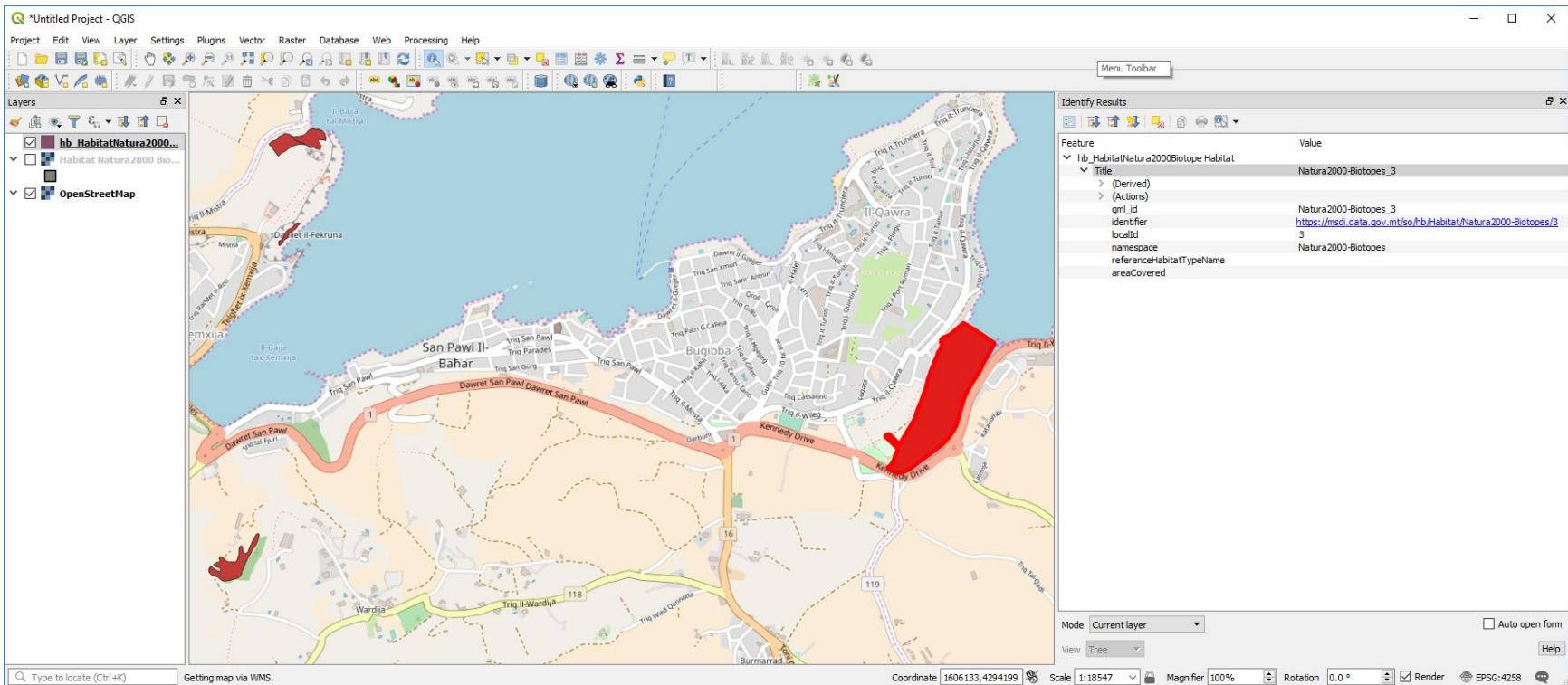
Download link	Data Format	CRS	Service Metadata
Get Data Set 		http://www.opengis.net/def/crs/EPSG/0/3045	

[View Options](#)

[Data set Metadata](#)

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- GML data set visualization in QGIS:
 - open the menu Layer → Add Layer → Add Vector Layer & select the GML file



PART 1

You are a birdwatcher passionate.

You would like to
take advantage of being in Belgium
to see which Natura 2000 protected
sites you could visit to watch some
local bird species...



Photo by [Boris Smokrovic](#) on [Unsplash](#)

Follow the next tasks to answer the quiz questions.

Quiz (Part 1)

https://ec.europa.eu/eusurvey/runner/Workshop_INSPIRE_Tools



Let's now see from the implementer perspective how the geoportal works behind the scenes...

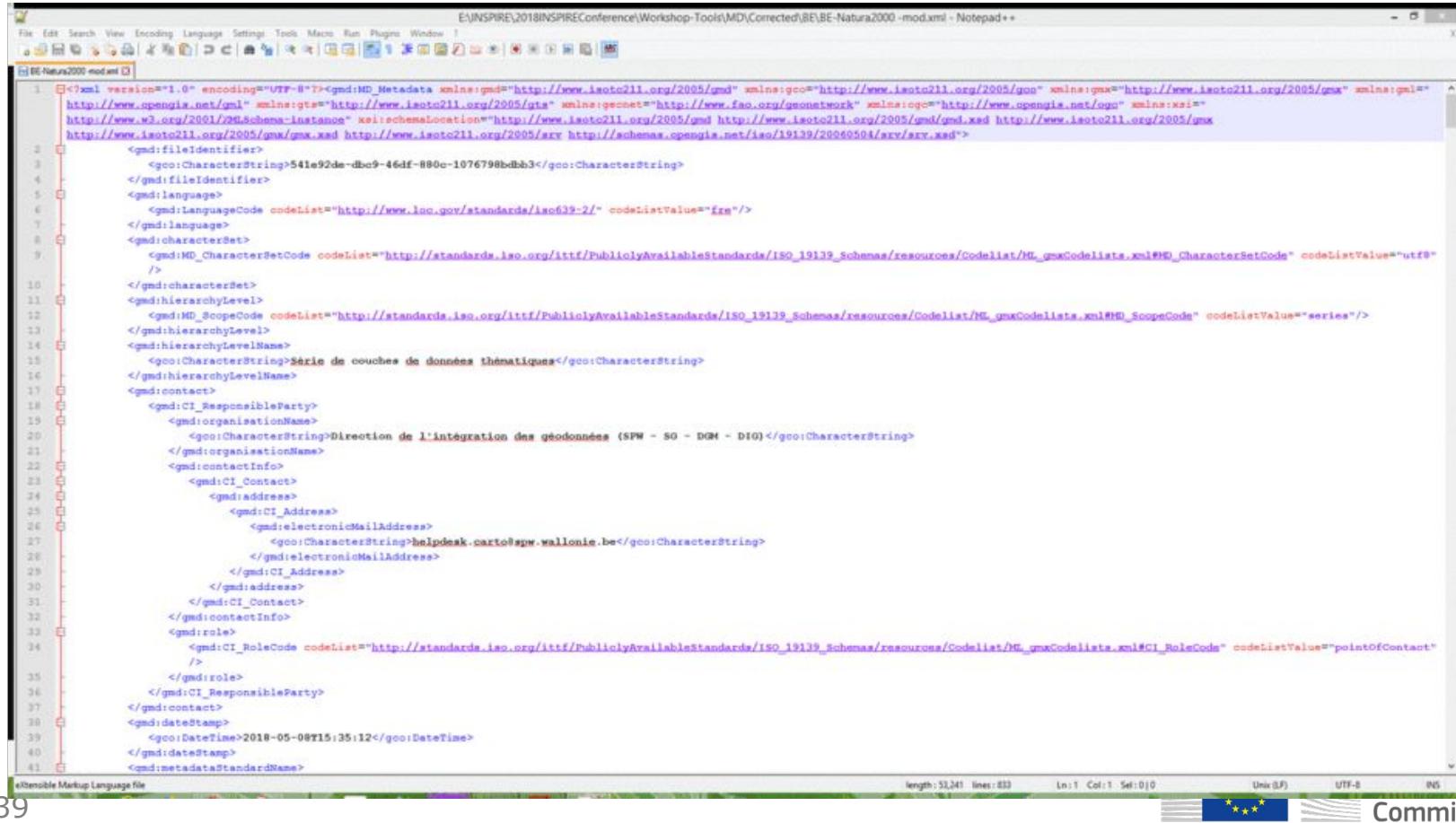


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Part 2

Demo

Adding (manually) a keyword & validating it



```
<?xml version="1.0" encoding="UTF-8"?><gmd:MD_Metadata xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:geo="http://www.isotc211.org/2005/geo" xmlns:gmx="http://www.isotc211.org/2005/gmx" xmlns:gml="http://www.opengis.net/gml" xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:geonet="http://www.fao.org/geonetwork" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.isotc211.org/2005/gmd http://www.isotc211.org/2005/gmd.xsd http://www.isotc211.org/2005/gmx/gmx.xsd http://www.isotc211.org/2005/gts http://schemas.opengis.net/iso/19139/20060504/gts.xsd">
  <gmd:fileIdentifier>
    <geo:CharacterString>541e92de-dbc9-46df-880c-1076798bdbb3</geo:CharacterString>
  </gmd:fileIdentifier>
  <gmd:language>
    <gmd:LanguageCode codeList="http://www.loc.gov/standards/iso639-2/" codeListValue="fra"/>
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/resources/Codelist/ML_gmxCodeLists.xml#MD_CharacterSetCode" codeListValue="utf8"/>
  </gmd:characterSet>
  <gmd:hierarchyLevel>
    <gmd:MD_ScopeCode codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/resources/Codelist/ML_gmxCodeLists.xml#MD_ScopeCode" codeListValue="series"/>
  </gmd:hierarchyLevel>
  <gmd:hierarchyLevelName>
    <geo:CharacterString>Séries de couches de données thématiques</geo:CharacterString>
  </gmd:hierarchyLevelName>
  <gmd:contact>
    <gmd:CI_ResponsableParty>
      <gmd:organisationName>
        <geo:CharacterString>Direction de l'intégration des géodonnées (SPN - SO - DGM - DIG)</geo:CharacterString>
      </gmd:organisationName>
      <gmd:contactInfo>
        <gmd:CI_Contact>
          <gmd:address>
            <gmd:CI_Address>
              <gmd:electronicMailAddress>
                <geo:CharacterString>helpdesk.carto@spw.wallonie.be</geo:CharacterString>
              </gmd:electronicMailAddress>
            </gmd:CI_Address>
          </gmd:address>
        </gmd:CI_Contact>
      </gmd:contactInfo>
      <gmd:role>
        <gmd:CI_RoleCode codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/resources/Codelist/ML_gmxCodeLists.xml#CI_RoleCode" codeListValue="pointOfContact"/>
      </gmd:role>
    </gmd:CI_ResponsableParty>
  </gmd:contact>
  <gmd:dateStamp>
    <geo:DateTime>2018-05-08T15:35:12</geo:DateTime>
  </gmd:dateStamp>
  <gmd:metadataStandardName>
    <geo:CharacterString>OGC</geo:CharacterString>
  </gmd:metadataStandardName>
</gmd:MD_Metadata>
```

PART 2



You have now the implementer hat on.

You have been told by your agency that the Natura 2000 data set that you are maintaining is in the scope of the Priority data sets initiative.

You need to update your metadata to include further keywords and check that it validates properly.

Photo by [Bill Pennell](#) on [Unsplash](#)

Follow the next tasks to answer the quiz questions.

Quiz (Part 2 - Continuation)

https://ec.europa.eu/eusurvey/runner/Workshop_INSPIRE_Tools



Wrap up

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Matthias Pramme

19/09/2018



Thank you



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