



# The European Commission's science and knowledge service

Joint Research Centre

# INSPIRE Geoportal Suggestions and feedback

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# Introduction

- Suggestions
- Feedback

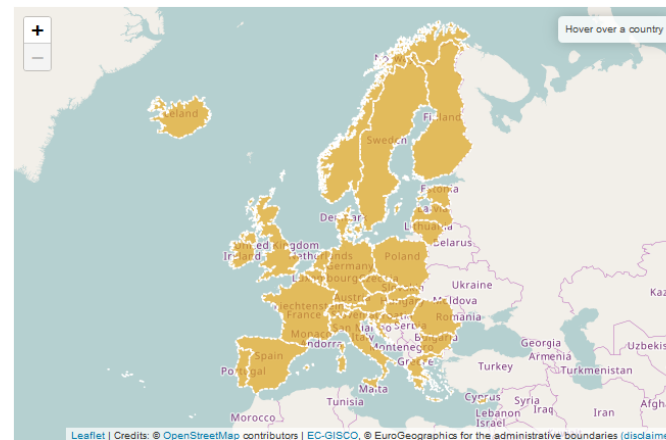


INSPIRE GEOPORTAL  
Enhancing access to European spatial data

European Commission > INSPIRE > Geoportal > INSPIRE Thematic Viewer

Home | Priority Data Sets Viewer | **INSPIRE Thematic Viewer** | Harvesting status | Find out more about

## INSPIRE Data Sets - EU & EFTA Country overview























Show:  Downloadable  Viewable

### INSPIRE Geoportal Data Set Statistics

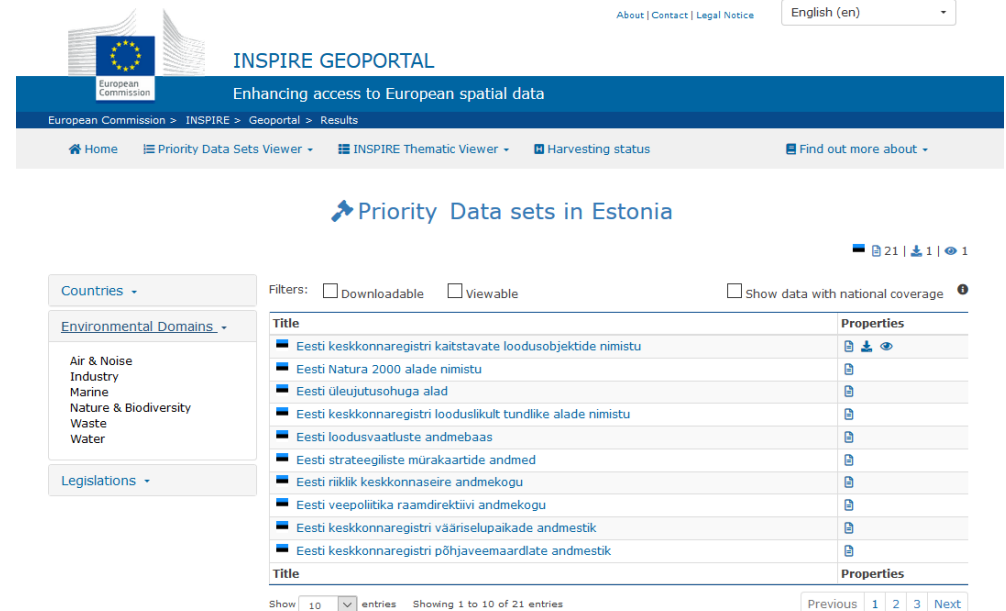
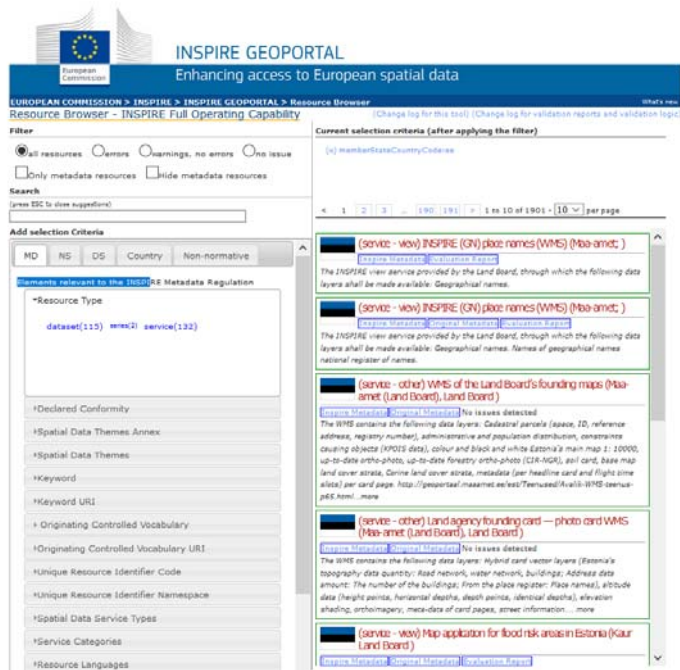


### Select a COUNTRY

 Austria	549   401   386	 Finland	602   51   52	 Latvia	140   3   4	 Portugal	727   130   234
 Belgium	538   144   401	 France	38904   1158   13281	 Liechtenstein	57   9   11	 Romania	119   20   7
 Bulgaria	29   0   0	 Germany		 Lithuania	48   1   5	 Slovakia	7180   3   12
 Croatia	121   2   3	 Greece	32101   9248   10643	 Luxembourg	232   216   178	 Slovenia	95   7   7
 Cyprus	42   28   7	 Hungary	41   34   34	 Malta	158   140   151	 Spain	219   135   142

# UX improvements

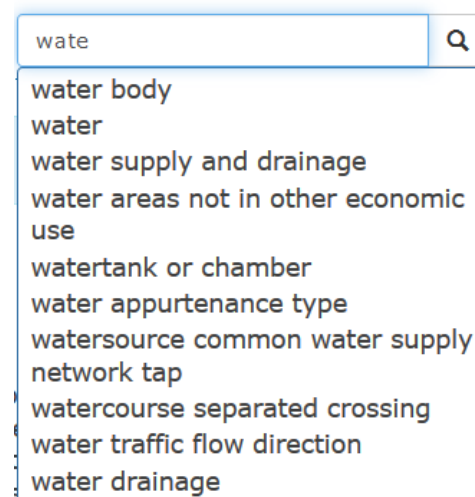
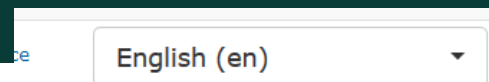
Align the layout of the resource browser to the interface of the new geoportal even improving the UX.



Resource browser 2.0 => INSPIRE Analytics

# INSPIRE Analytics (Resource browser 2.0)

- Full text search
  - Metadata
  - Resources
  - English or other languages
- Search by keyword
- **Geographical search (bounding box)**
- Packaging search results data (bulk download)



# INSPIRE Analytics

Implement other filters:

- Title
- Data provider
- Layer name
- Feature type name
- Harmonised/unharmonised data

The screenshot displays the INSPIRE Geoportal interface. At the top, there is a header with the European Commission logo and the text "INSPIRE GEOPO" and "Enhancing access to". Below the header, a navigation bar shows "European Commission > INSPIRE > Geoportal > Results". A secondary navigation bar includes "Home", "Priority Data Sets Viewer", and "INSPI".

On the right side, there is a search icon and the text "Pr".

The main content area features a filter panel on the left with three sections: "Countries", "Environmental Domains", and "Legislations". The "Environmental Domains" section is expanded, showing a list of categories: "Air & Noise", "Industry", "Marine", "Nature & Biodiversity", "Waste", and "Water".

To the right of the filter panel, there is a "Filters:" section with a "Download" checkbox. Below this, there are two "Title" input fields. At the bottom of the filter panel, there is a "Show" dropdown menu set to "10" and the text "entri".

At the bottom of the page, there is a blue footer bar with the text "INSPIRE Geoportal".

# INSPIRE Analytics

Sort the result in the table:

- Alphabetically
- Metadata date stamp

The screenshot shows the INSPIRE Analytics interface. At the top, there is a navigation bar with the breadcrumb "INSPIRE > Geoportal > Results" and several menu items: "Data Sets Viewer", "INSPIRE Thematic Viewer", "Harvesting status", and "Find out more about". Below this is a title "Priority Data sets in Germany" with a location pin icon. To the right of the title are statistics: a German flag, "65" (with a document icon), "29" (with a download icon), and "15" (with an eye icon). Below the title are filter options: "Filters:  Downloadable  Viewable" and " Show data with national coverage" with an information icon. The main content is a table with two columns: "Title" and "Properties". The table lists 10 data sets, each with a German flag icon and a document icon in the Properties column. The titles include "Kläranlagenstandorte nach EU Kommunalabwasserrichtlinie 91/271/EWG - Stammdaten 2012 (Datensatz)", "Luftqualitätsdaten (Datenstrom B) - Beurteilungsgebiete 2013 (Datensatz)", "Luftqualitätsdaten (Datenstrom E1a) - Validierte Einzelwerte 2013 (Datensatz)", "Luftqualitätsdaten (Datenstrom E1a) - Validierte Einzelwerte 2014 (Datensatz)", "Luftqualitätsdaten (Datenstrom E1b) - modellierte und geschätzte Einzelwerte 2014 (Datensatz)", "Kläranlagenstandorte nach EU Kommunalabwasserrichtlinie 91/271/EWG - Stammdaten 2014 (Datensatz)", "Luftqualitätsdaten (Datenstrom D) - Beurteilungsmethoden 2014 (Datensatz)", "Luftqualitätsdaten (Datenstrom B) - Beurteilungsgebiete 2014 (Datensatz)", "Luftqualitätsdaten (Datenstrom D) - Beurteilungsmethoden 2015 (Datensatz)", and "Luftqualitätsdaten (Datenstrom E1b) - modellierte und geschätzte Einzelwerte 2015 (Datensatz)". Below the table, there is a pagination control: "Show 10 entries" (with a dropdown arrow) and "Showing 41 to 50 of 65 entries". To the right of the pagination are navigation buttons: "Previous", "1", "2", "3", "4", "5", "6", "7", and "Next".

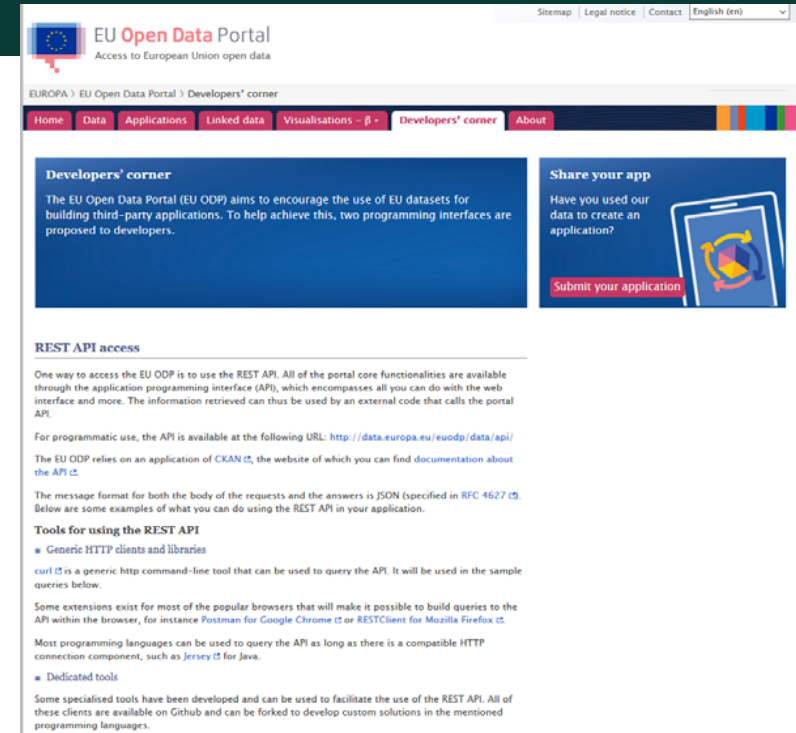
Title	Properties
Kläranlagenstandorte nach EU Kommunalabwasserrichtlinie 91/271/EWG - Stammdaten 2012 (Datensatz)	
Luftqualitätsdaten (Datenstrom B) - Beurteilungsgebiete 2013 (Datensatz)	
Luftqualitätsdaten (Datenstrom E1a) - Validierte Einzelwerte 2013 (Datensatz)	
Luftqualitätsdaten (Datenstrom E1a) - Validierte Einzelwerte 2014 (Datensatz)	
Luftqualitätsdaten (Datenstrom E1b) - modellierte und geschätzte Einzelwerte 2014 (Datensatz)	
Kläranlagenstandorte nach EU Kommunalabwasserrichtlinie 91/271/EWG - Stammdaten 2014 (Datensatz)	
Luftqualitätsdaten (Datenstrom D) - Beurteilungsmethoden 2014 (Datensatz)	
Luftqualitätsdaten (Datenstrom B) - Beurteilungsgebiete 2014 (Datensatz)	
Luftqualitätsdaten (Datenstrom D) - Beurteilungsmethoden 2015 (Datensatz)	
Luftqualitätsdaten (Datenstrom E1b) - modellierte und geschätzte Einzelwerte 2015 (Datensatz)	

# INSPIRE Analytics

Open API functionality

Get a list of the datasets

...



The screenshot shows the EU Open Data Portal website. The header includes the EU flag and the text "EU Open Data Portal" and "Access to European Union open data". The navigation menu has links for Home, Data, Applications, Linked data, Visualisations - beta, Developers' corner, and About. The main content area is titled "Developers' corner" and contains the following text:

**Developers' corner**  
The EU Open Data Portal (EU ODP) aims to encourage the use of EU datasets for building third-party applications. To help achieve this, two programming interfaces are proposed to developers.

**Share your app**  
Have you used our data to create an application?  
[Submit your application](#)

**REST API access**

One way to access the EU ODP is to use the REST API. All of the portal core functionalities are available through the application programming interface (API), which encompasses all you can do with the web interface and more. The information retrieved can thus be used by an external code that calls the portal API.

For programmatic use, the API is available at the following URL: <http://data.europa.eu/euodp/data/api/>  
The EU ODP relies on an application of CKAN [it](#), the website of which you can find [documentation about the API](#) [it](#).

The message format for both the body of the requests and the answers is JSON (specified in [RFC 4627](#) [it](#)). Below are some examples of what you can do using the REST API in your application.

**Tools for using the REST API**

- Generic HTTP clients and libraries

[curl](#) [it](#) is a generic http command-line tool that can be used to query the API. It will be used in the sample queries below.

Some extensions exist for most of the popular browsers that will make it possible to build queries to the API within the browser, for instance [Postman for Google Chrome](#) [it](#) or [RESTClient for Mozilla Firefox](#) [it](#).

Most programming languages can be used to query the API as long as there is a compatible HTTP connection component, such as [Jersey](#) [it](#) for Java.

- Dedicated tools

Some specialised tools have been developed and can be used to facilitate the use of the REST API. All of these clients are available on [Github](#) and can be forked to develop custom solutions in the mentioned programming languages.



# English metadata

Show English metadata:

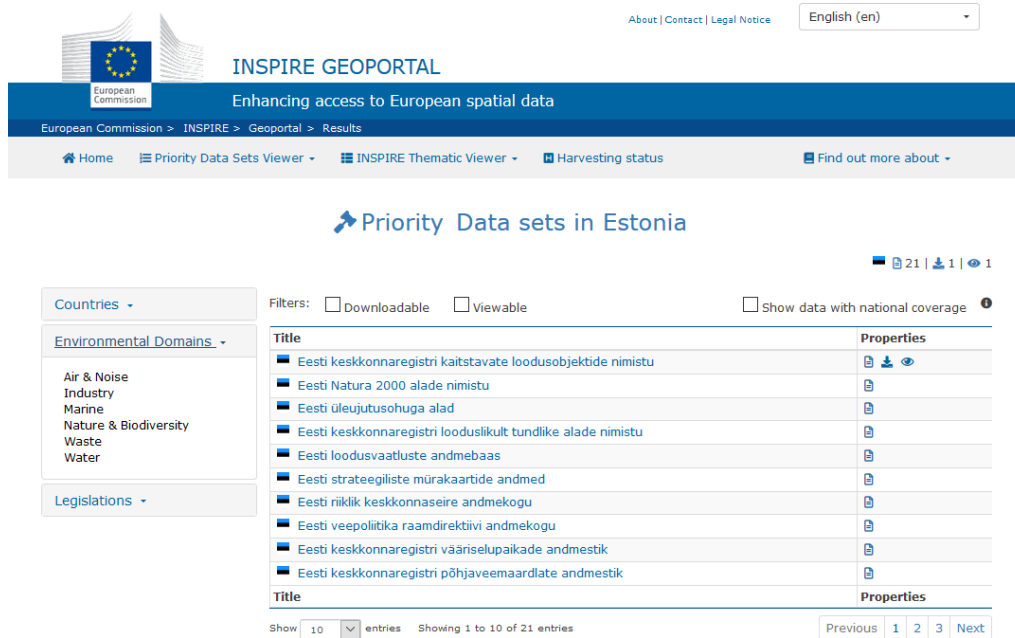
- Provided
- Automatically translated

The screenshot shows the INSPIRE Thematic Viewer interface. At the top, there is a navigation bar with 'INSPIRE > Geoportal > Results' and several menu items: 'Data Sets Viewer', 'INSPIRE Thematic Viewer', 'Harvesting status', and 'Find out more about'. Below the navigation bar, the main heading is 'Priority Data sets in Germany'. To the right of the heading, there are statistics: a German flag, '65' (with a document icon), '29' (with a download icon), and '15' (with an eye icon). Below the heading, there are filter options: 'Filters:  Downloadable  Viewable' and ' Show data with national coverage'. The main content is a table with two columns: 'Title' and 'Properties'. The table lists 11 data sets, each with a German flag icon and a document icon in the Properties column. The titles include 'Kläranlagenstandorte nach EU Kommunalabwasserrichtlinie 91/271/EWG - Stammdaten 2012 (Datensatz)', 'Luftqualitätsdaten (Datenstrom B) - Beurteilungsgebiete 2013 (Datensatz)', 'Luftqualitätsdaten (Datenstrom E1a) - Validierte Einzelwerte 2013 (Datensatz)', 'Luftqualitätsdaten (Datenstrom E1a) - Validierte Einzelwerte 2014 (Datensatz)', 'Luftqualitätsdaten (Datenstrom E1b) - modellierte und geschätzte Einzelwerte 2014 (Datensatz)', 'Kläranlagenstandorte nach EU Kommunalabwasserrichtlinie 91/271/EWG - Stammdaten 2014 (Datensatz)', 'Luftqualitätsdaten (Datenstrom D) - Beurteilungsmethoden 2014 (Datensatz)', 'Luftqualitätsdaten (Datenstrom B) - Beurteilungsgebiete 2014 (Datensatz)', 'Luftqualitätsdaten (Datenstrom D) - Beurteilungsmethoden 2015 (Datensatz)', and 'Luftqualitätsdaten (Datenstrom E1b) - modellierte und geschätzte Einzelwerte 2015 (Datensatz)'. At the bottom of the table, there is a pagination control: 'Show 10 entries Showing 41 to 50 of 65 entries' and a set of navigation buttons: 'Previous', '1', '2', '3', '4', '5', '6', '7', 'Next'.

Title	Properties
Kläranlagenstandorte nach EU Kommunalabwasserrichtlinie 91/271/EWG - Stammdaten 2012 (Datensatz)	
Luftqualitätsdaten (Datenstrom B) - Beurteilungsgebiete 2013 (Datensatz)	
Luftqualitätsdaten (Datenstrom E1a) - Validierte Einzelwerte 2013 (Datensatz)	
Luftqualitätsdaten (Datenstrom E1a) - Validierte Einzelwerte 2014 (Datensatz)	
Luftqualitätsdaten (Datenstrom E1b) - modellierte und geschätzte Einzelwerte 2014 (Datensatz)	
Kläranlagenstandorte nach EU Kommunalabwasserrichtlinie 91/271/EWG - Stammdaten 2014 (Datensatz)	
Luftqualitätsdaten (Datenstrom D) - Beurteilungsmethoden 2014 (Datensatz)	
Luftqualitätsdaten (Datenstrom B) - Beurteilungsgebiete 2014 (Datensatz)	
Luftqualitätsdaten (Datenstrom D) - Beurteilungsmethoden 2015 (Datensatz)	
Luftqualitätsdaten (Datenstrom E1b) - modellierte und geschätzte Einzelwerte 2015 (Datensatz)	

# Indexable resources

Make Geoportal resources indexable in search engines

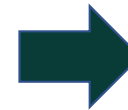


The screenshot shows the INSPIRE Geoportal interface. At the top, there is a navigation bar with the European Commission logo, the text "INSPIRE GEOPORTAL", and the tagline "Enhancing access to European spatial data". Below this is a breadcrumb trail: "European Commission > INSPIRE > Geoportal > Results". A language dropdown menu is set to "English (en)".

The main content area is titled "Priority Data sets in Estonia" and shows a list of 21 data sets. The list is filtered by "Downloadable" and "Viewable" options. The data sets are listed in a table with columns for "Title" and "Properties".

Title	Properties
Eesti keskkonnaregistri kaitstavate loodusobjektide nimistu	<a href="#">Download</a> <a href="#">View</a> <a href="#">Print</a>
Eesti Natura 2000 alade nimistu	<a href="#">Download</a>
Eesti õleujutusohuga alad	<a href="#">Download</a>
Eesti keskkonnaregistri looduslikult tundlike alade nimistu	<a href="#">Download</a>
Eesti loodusvaatluste andmebaas	<a href="#">Download</a>
Eesti strateegiliste mürakaartide andmed	<a href="#">Download</a>
Eesti riiklik keskkonnaseire andmekogu	<a href="#">Download</a>
Eesti veepoliitika raamdirektiivi andmekogu	<a href="#">Download</a>
Eesti keskkonnaregistri vääriselupaikade andmestik	<a href="#">Download</a>
Eesti keskkonnaregistri põhjaveemaardlate andmestik	<a href="#">Download</a>

At the bottom of the list, there is a pagination control showing "Showing 1 to 10 of 21 entries" and a "Previous 1 2 3 Next" navigation bar.



# Additional feedback

- Add a map viewer (WebGIS)
- Layer style selector (View services)
- Add monitoring information
- Showing the object types with each data sets
- Filter by spatial object type



# Thank you

Any questions?

INSPIRE Geoportal Helpdesk

<https://ies-svn.jrc.ec.europa.eu/projects/geoportal/issues>