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## Portal Version 4.3 - User Manual

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V1.0  
October 2019

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## 1 Introduction

### 1.1 Purpose of the Document

The main purpose of this document is to present a User Manual for the main user functionalities of the **Portal Version 4.3**, launched in production in May 2019. This document consists of an update of the User Manual for the Portal Version 3.0 published in November 2017[4].

### 1.2 Reference Documents

<b>Id</b>	<b>Reference</b>	<b>Title</b>	<b>Version</b>
[1]	EDP_S1_MAN	EDP_S1_MAN_Portal-Version1-UserManual_v1.0	1.0
[2]	EDP_S1_MAN	EDP_S1_MAN_Portal-Version1.3-UserManual_v1.2	1.3
[3]	EDP_S1_MAN	EDP_S1_MAN_Portal-Version2.0-UserManual_v1.0	2.0
[4]	EDP_S1_MAN	EDP_S1_MAN_Portal-Version3.0-UserManual_v1.0	3.0

*Table 1-1: Reference Documents*

### 1.3 Terminology

<b>Acronym</b>	<b>Description</b>
API	Application Programmer Interface
CKAN	(replaced by the “Data Platform”)
CSV	Comma separated values
Data Platform	Single page web app for managing and displaying datasets
DCAT-AP	DCAT Application Profile - Metadata specification based on the Data Catalogue vocabulary (DCAT)
DRUPAL	Content Management System
ECAS / EU-Login	EU user login page
EDP	European Data Portal
FME	Feature Manipulation Engine
GUI	Graphical User Interface
HTTP	Hypertext Transfer Protocol
JSON	JavaScript Object Notation (a lightweight data-interchange format)
maps.app	Geo-spatial data visualization application
MQA	Metadata Quality Assistant
RDF	Resource Description Framework
SOLR	Search engine used for portal content search and dataset search

Acronym	Description
SPARQL	Query language for linked data (RDF)
SSL	Secure Socket Layer
URL	Uniform Resource Locator
XML	Extensible Markup Language

*Table 1-2: Abbreviations and Acronyms*

## 2 Approach

The approach used for this User Manual was based on the identification of the main user functions of the Portal and the description of each function from the user's perspective in terms of "How to...".

Each main function documentation consists of a screen snapshot, the steps required to execute the function and optionally a screenshot with the results.

## 3 Main User Functions of the Portal

This section describes all of the main user functions supported by the Portal Version 3.0.

The table 1-3 below lists the described functions by module.

	Module Name	Function
1	Portal HomePage	<ul style="list-style-type: none"> <li>- How to browse through the Editorial Content (how to access Resources on Open Data: eLearning modules, Training Companion, Reports about Open Data)</li> <li>- How to view / search for "Latest News"</li> <li>- How to view / search for "Open Data Events"</li> <li>- How to subscribe to the EDP Newsletter</li> <li>- How to view "Tweets" on the EDP</li> <li>- How to switch to another User Language</li> </ul> <ul style="list-style-type: none"> <li>- How to search for EDP Site Content</li> <li>- How to search for Datasets by Data Category</li> <li>- How to search for Datasets by Keyword</li> </ul>
2	Datasets (Data Platform)	Entering the Datasets-View
		How to filter datasets by using "Faceted Search"
		How to store personal queries
		How to filter datasets by geographical area
		How to download dataset distributions
		How to view licensing information
		How to switch to another user language
		How to browse by data catalogues
3	Visualization of Geo-Spatial Data (map.apps)	How to visualize geo-spatial data from a dataset resource
4	Graphical Data Visualisation Tool	How to visualize graphical data from a dataset resource
5	Help Desk	How to contact The Portal's Help Desk
6	Metadata Quality Assurance (MQA)	Monitoring tool for the metadata quality: <ul style="list-style-type: none"> <li>- The Global Dashboard View</li> <li>- The Catalogue details view</li> </ul>
7	SPARQL Manager	How to run SPARQL Queries using: <ul style="list-style-type: none"> <li>- SPARQL Search</li> </ul>

Module Name	Function
	<ul style="list-style-type: none"><li>- SPARQL Assistant</li><li>- SPARQL Saving/Modifying a Query</li><li>- SPARQL Queries</li></ul>

*Table 1-3: Main functions of the Portal Version 3.0*

### 3.1 Portal Home Page

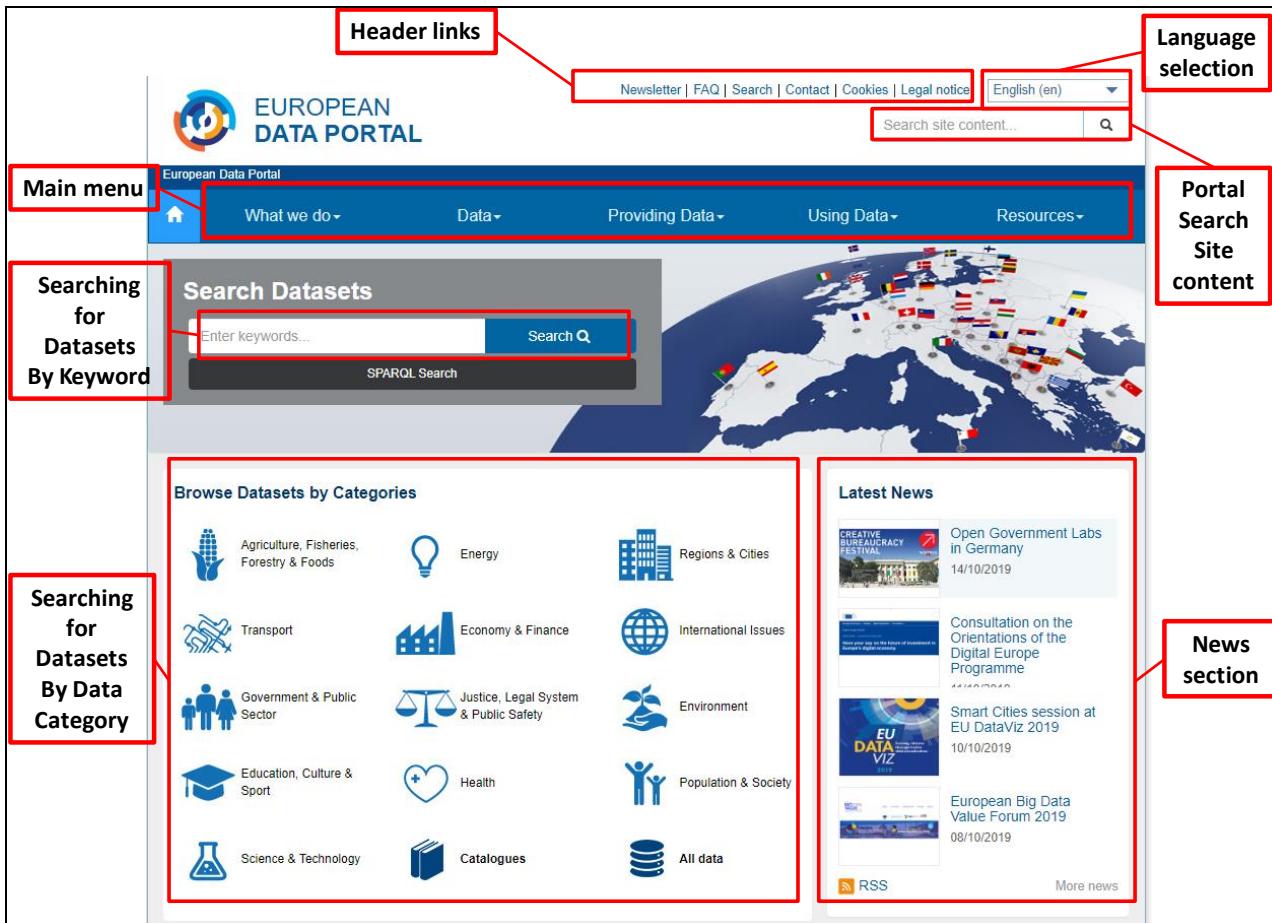


Figure 1: EDP Home Page (upper part)

**Landscaping section**

**Featured Articles section**

**Newsletter section**

**EDP Help Desk**

**Open Data in Europe**

EU28 Open Data Maturity Scores

Category	Score (%)
Policy	82%
Portals	63%
Impact	50%
Quality	62%

**Open Data Events in Europe**

- Mon, 14 October to Wed, 16 October European Big Data Value Forum @ Helsinki, Finland
- Wed, 16 October to Thu, 17 October Predictive Analytics World (PAW) for Business @ London, UK
- Tue, 22 October to Thu, 24 October Inspire Helsinki @ Helsinki, Finland
- Tue, 12 November EU DataViz (Euro) @ Luxembourg

**Event Calendar section**

**Tweets by @EU\_DataPortal**

European Data Portal @EU\_DataPortal Discover the 5 principles to stimulate innovation through #opendata in @EU\_DataPortal's open #data Featured Highlight Article: ow.ly/2qHy50wutp8

**EDP Tweets section**

**Social Media links**

**Footer links**

Figure 2: EDP Home Page (lower part)

### 3.1.1 How to browse through the Editorial Content of the Portal

The editorial content of the Portal is organized into 4 main menu items:

1. What we do
2. Providing Data
3. Using Data
4. Resources



#### 1. Click on “What we do”, then on sub-menu “Our Activities”

The system displays a separate page with information on what is done in the Portal.

**Our Activities**

The European Data Portal harvests the metadata of Public Sector Information available on public data portals across European countries. Information regarding the provision of data and the benefits of re-using data is also included.

**What is Open Data?**

Open (Government) Data refers to the information collected, produced or paid for by the public bodies (also referred to as Public Sector Information) and made freely available for re-use for any purpose. The licence will specify the terms of use. These principles for Open Data are described in detail in the [Open Definition](#).

Public sector information is information held by the public sector. The Directive on the re-use of public sector information provides a common legal framework for a European market for government-held data. It is built around the key pillars of the internal market: free flow of data, transparency and fair competition. It is important to note that not all of the public sector information is Open Data.

Find out more about the [PSI Directive](#) and other [non-legislative activities of DG CONNECT](#) in this area.

**About the European Data Portal**

Going beyond the harvesting of metadata, the strategic objective of the European Data Portal is to improve accessibility and increase the value of Open Data:

- **Accessibility:** How to access this information? Where to find it? How to make it available in the first place? In domains, across domains, across countries? In what language?
- **Value:** For what purpose and what economic gain? Societal gain? Democratic gain? In what format? What is the critical mass?

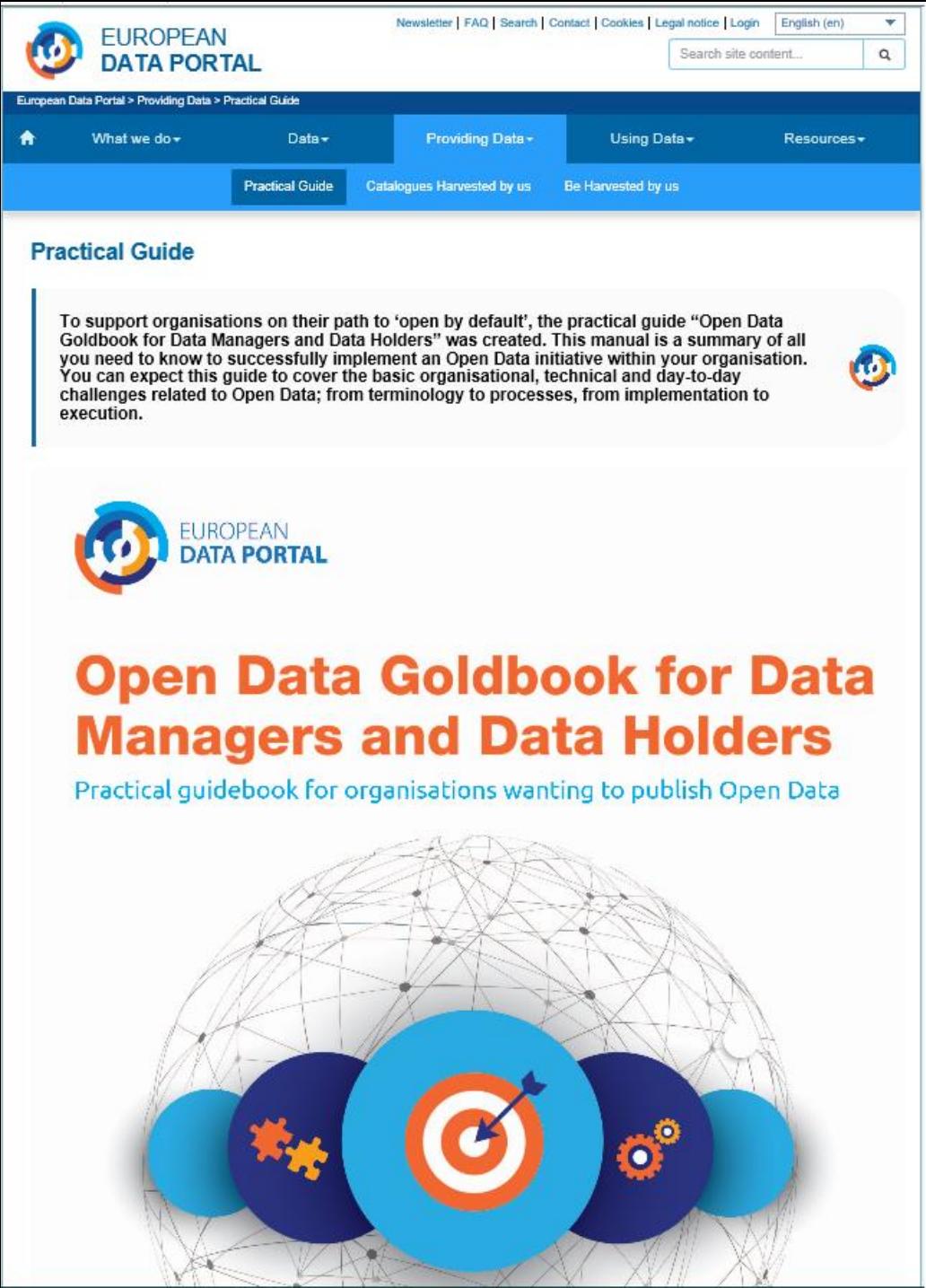
The European Data Portal addresses the whole data value chain: from data publishing to data re-use.

**Within the Portal, sections are dedicated to:**

**Searching datasets:** Categories have been established to structure the metadata harvested from the various countries. These categories follow the revision of the [DCAT Application Profile](#) and have been mapped against the [Eurovoc Thesaurus](#).

## 2. Click on “Providing Data”, then on sub-menu “Practical Guide”

System displays a separate page with information on how to provide data to the Portal. This page mainly addresses the **suppliers** (harvested portals) of the data and metadata.



The screenshot shows the European Data Portal's website. At the top, there is a navigation bar with links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and Login. A language selector shows "English (en)" with a dropdown arrow. Below the navigation bar is a search bar with the placeholder "Search site content..." and a magnifying glass icon. The main menu includes links for Home, What we do, Data, Providing Data (which is highlighted in blue), Using Data, Resources, Practical Guide (which is also highlighted in blue), Catalogues Harvested by us, and Be Harvested by us. The "Practical Guide" section is currently active. The page title is "Practical Guide". The main content area contains a text box with the following text:

To support organisations on their path to ‘open by default’, the practical guide “Open Data Goldbook for Data Managers and Data Holders” was created. This manual is a summary of all you need to know to successfully implement an Open Data initiative within your organisation. You can expect this guide to cover the basic organisational, technical and day-to-day challenges related to Open Data; from terminology to processes, from implementation to execution.

On the right side of the page, there is a small circular logo for the European Data Portal. Below the text box, there is a large graphic featuring the European Data Portal logo and the title "Open Data Goldbook for Data Managers and Data Holders" in large red text. Below the title, it says "Practical guidebook for organisations wanting to publish Open Data". The graphic features a stylized globe with interconnected nodes and several blue and dark blue circles containing gears and puzzle pieces, set against a background of a network of lines and dots.

### 3. Click on “Using Data”

The system displays a separate page with information on how the Portal data/metadata can be (re-)used. This page mainly addresses the **users** of the data and metadata.

#### 3a. Benefits of Using Open Data

By clicking on the sub-menu “Benefits of Using Data”, the system displays a page with potential benefits from the (re-)usage of Open Data.

The screenshot shows the European Data Portal's navigation bar at the top, featuring links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and Login, along with a language selector for English (en). Below the navigation is a search bar with the placeholder "Search site content..." and a magnifying glass icon. The main menu includes links for Home, What we do, Data, Providing Data, Using Data (which is currently selected), and Resources. Under the Using Data link, there are four sub-links: Benefits of Using Data (which is highlighted in blue), Checklist for Using Data, Use Cases, and Tell us your story. The main content area has a title "Benefits of Open Data". A callout box on the left states: "The benefits of Open Data are diverse and range from improved efficiency of public administrations, economic growth in the private sector to wider social welfare." To the right of this text is a small circular logo with a stylized 'D'. Below this, three paragraphs describe the benefits: "Performance can be enhanced" by improving efficiency of public services; "The economy can benefit" from easier access to information; and "Social welfare can be improved" through transparency and accountability. At the bottom is a circular diagram divided into segments representing different sectors: Economy (orange), Performance (orange), Social (blue), Enhance Participation (blue), Improving Transparency & Accountability (blue), Creating New Business Models (blue), Developing Innovative Services (blue), and Improving Quality (blue). The segments are interconnected by lines.

### 3.b Use Cases of Open Data

By clicking on the sub-menu “Use Cases”, the system displays a list of success stories (use cases) from users having successfully (re-)used Open Data for an app, website, etc.

The list can be filtered by keyword, country of origin, region, sector (data category) and type of use case.

**European Data Portal > Using Data > Use Cases**

Newsletter | FAQ | Search | Contact | Cookies | Legal notice | English (en) ▾

Search site content...

What we do ▾ Data ▾ Providing Data ▾ Using Data ▾ Resources ▾

Benefits of Using Data Checklist for Using Data Use Cases Tell us your story

**Use Cases**

This part of the portal contains use cases from both publishers and re-users of Open Data. The use cases provided below are gathered via the 'Tell us your story' form on the portal or shared with us by other contacts. This section of the portal will grow over time.

Filter	Belgium - FRIS Onderzoeksportaal	Belgium
Keywords	Sector: Education, Culture & Sport Nature: Website Description: The FRIS Onderzoeksportaal offers a perspective on publicly funded...	07/10/2019
Country - Any -		
Region - Any -		Belgium
Sector - Any -		France
Type of Use Case - Any -		Germany
Apply	Reset	

#### 4. Click on “Resources”

System displays several sub-menu items that lead to eLearning and training material as well as to a library of downloadable reports and documents about Open Data.

The screenshot shows the European Data Portal's main navigation bar. At the top right, there are links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and Login, along with a language selector set to English (en). Below the main header, there is a search bar with the placeholder "Search site content..." and a magnifying glass icon. The main navigation menu has a blue background and includes a home icon, followed by five dropdown menu items: "What we do", "Data", "Providing Data", "Using Data", and "Resources". The "Resources" menu is currently selected, as indicated by its blue background. Underneath this, there are four sub-menu items: "eLearning", "Training Companion", "More Training Material", and "Reports about Open Data".

##### 4a. eLearning

By clicking on the “eLearning” sub-menu item and then on the button [Read more](#) on the subsequent page, the system switches to the training platform from which 16 training lessons can be directly taken online.

The screenshot shows the European Data Portal e-learning platform. At the top left, there is a language selector for English and a menu icon. The main content area has a purple header with the word "Welcome". Below it, there is a circular logo consisting of overlapping blue and orange segments. The main content area is divided into two sections:

- Lesson 1 - What is open data?** This section has a white background. It contains a brief introduction: "Welcome to the European Data Portal e-learning programme. This programme has been designed to enable you to discover what open data is and how it is changing the lives of everyone on our planet." Below this is a call-to-action: "Scroll down to discover each of the available lessons". To the right of the text is a graphic of large, stylized letters spelling "DATA" in yellow, blue, red, and black, with various icons (gears, charts, etc.) integrated into the letters. Below the graphic is a blue button labeled "Click here to learn more".
- Lesson 2 - Unlocking value from open data** This section has a white background. It contains a brief introduction: "Open data has the potential to help grow economies, transform societies and protect the environment." Below this is a call-to-action: "In this module, we explore how governments, businesses and individuals are using open data to create new value." To the left of the text is a graphic of a magnifying glass focusing on a pie chart, with a line graph visible in the background.

## 4b. Training Companion

By clicking on the “**Training Companion**” sub-menu item, the system provides detailed information on how to deliver training on the basics of Open Data as well as the corresponding supporting materials.

The screenshot shows the European Data Portal's "Training Companion" section. At the top, there's a navigation bar with links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and a language selector set to English (en). Below that is a search bar with placeholder text "Search site content..." and a magnifying glass icon. The main content area has a blue header bar with tabs for eLearning, Training Companion (which is selected and highlighted in dark blue), More Training Material, and Reports about Open Data. The main content area features a large heading "Training Companion" and a welcome message: "Welcome to the European Data Portal training companion. This collection helps you deliver training on the basics of Open Data and provides you with supporting materials to suit your needs." To the right of this message is a small circular logo with a stylized orange and blue design. Below the message, there's a paragraph explaining that users will find a list of 16 short training sessions (1-3 hours) designed for anyone to discover more about Open Data, corresponding to the 16 eLearning modules designed by the EDP. It also states that each session covers a different aspect of Open Data training and suits all levels from a complete newcomer to an expert. Under the heading "Using our training materials", there's a note that the European Data Portal offers no endorsement for the use of the training materials contained therein. The materials are at the discretion of the individual trainer and should not be represented as the views or position of the European Commission, the European Data Portal or the partner institutions involved in the creation of the portal. A section titled "Licence" notes that all materials are made available under a Creative Commons Share-Alike Attribution Licence (CC-BY-SA). The appropriate acknowledgements should be placed in your presentation and a link made available to any slideshare or other account where materials are made available through email. The main content area contains a grid of 16 small boxes, each representing a different eLearning module:

What is Open Data?	Unlocking value from Open Data	Open Data as an agent of change	Open Data licensing	Making data usable
Measuring success in Open Data initiatives	Open Data sustainability	Open Data platforms	Open Data formats	When & How to use the 3 Stars of Open Data
Cleaning Open Data	Unlocking hidden data from the web	Introduction to linked data	Open data advocacy	Managing change in open data
Achieving impact with open data				

#### 4c. Reports about Open Data

By clicking on the “Reports about Open Data” sub-menu item, the system provides a list of available reports on open data. The list can be filtered by keyword, year of publication, country of origin and type of report.

Year	Country	Title	Type of Report
2017	Europe	ePSI Platform PSI Scoreboard	Open Data Community reports
2017	Europe	ePSI platform scoreboard	Open Data Community reports
2017	Germany	Value Creation in the Digital Age	Open Data Community reports
2016	Europe	Best Practice: (Re)use federated tools	Open Data Community reports
2016	Europe	Best Practice: Categorise openness of data	Open Data Community reports
2016	Europe	Best Practice: Dataset Criteria	Open Data Community reports
2016	Europe	Best Practice: Develop and Implement a Cross Agency Strategy	Open Data Community reports
2016	Europe	Best Practice: Enable feedback channels for improving the quality of existing government data	Open Data Community reports
2016	Europe	Best Practice: Enable quality assessment of open data	Open Data Community reports
2016	Europe	Best Practice: Encourage crowdsourcing around PSI	Open Data Community reports

### 3.1.2 How to view / search for “Latest News”

The Home Page displays the latest 4 news items in the “Latest News” panel on the left hand side.

- Click on any of the 4 news items to display the complete news article (here: item#1).
- Or click on “More news” in order to find previously published news articles in the news archive.

**Latest News**

-  Open Government Labs in Germany  
14/10/2019
-  Consultation on the Orientations of the Digital Europe Programme  
14/10/2019
-  Smart Cities session at EU DataViz 2019  
10/10/2019
-  European Big Data Value Forum 2019  
08/10/2019

[More news...](#)

### 3.1.3 How to view / search for “Open Data Events”

The Home Page displays the latest 4 Open Data events in the “Open Data Events in Europe” panel on the right hand side.

- Click on any of the 4 events to display the event article (here: item#1).
- Or click on “View calendar” in order to find current and future events on the events calendar.

The screenshot shows the European Data Portal homepage. At the top, there's a navigation bar with links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and a language selector set to English (en). Below the navigation is a search bar with placeholder text "Search site content..." and a magnifying glass icon.

The main content area features a banner titled "Open Data Events in Europe". Below the banner, a sidebar on the right lists four events with their details and locations:

- Mon, 14 October to Wed, 16 October**  
European Big Data Value Forum  
📍 Helsinki, Finland
- Wed, 16 October to Thu, 17 October**  
Predictive Analytics World (PAW) for Business  
📍 London, UK
- Tue, 22 October to Thu, 24 October**  
Inspire Helsinki  
📍 Helsinki, Finland
- Tue, 12 November**  
EU DataViz (Euro)  
📍 Luxembourg

A red oval highlights the "View calendar" link at the bottom right of the sidebar. The main content area also features a large calendar for October 2019. Specific events are highlighted in blue boxes on the calendar grid:

- October 30: World Data Summit 2019 (Barcelona, Spain)
- October 7-8: European Week of Regions and Cities (Brussels, Belgium)
- October 14-15: European Big Data Value Forum (Helsinki, Finland)
- October 21-22: Inspire Helsinki (Helsinki, Finland)
- October 16-17: Predictive Analytics World (PAW) for Business (London, UK)

At the bottom of the calendar area, there's a note: "Do you know of an event related to Open Data or where Open Data aspects will be discussed? Please contact us and send the name of the event, the location and its URL. Thank you."

### 3.1.4 How to subscribe to the EDP Newsletter

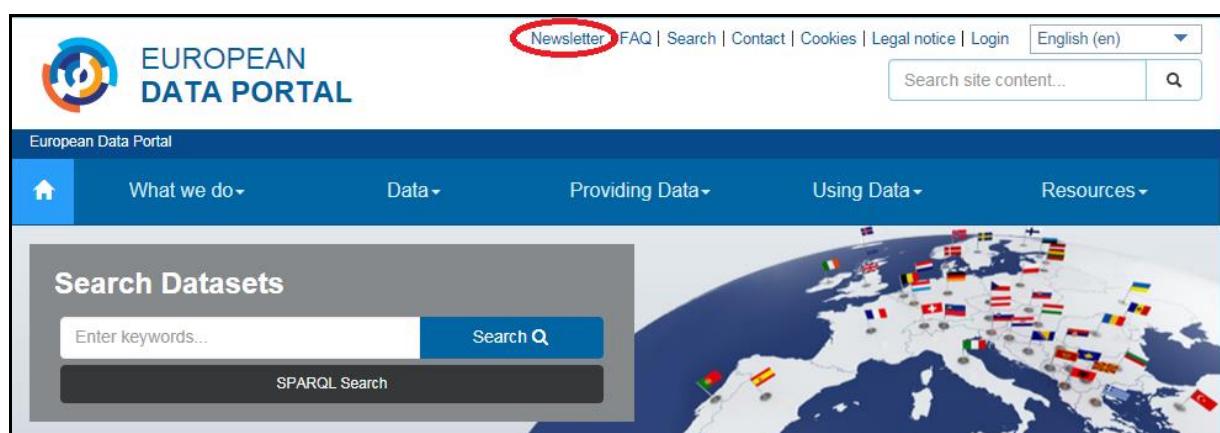
On the Portal Home Page:

- Either Click on the “Newsletter” item in the page header:

Then, on the “Newsletter subscriptions” page:

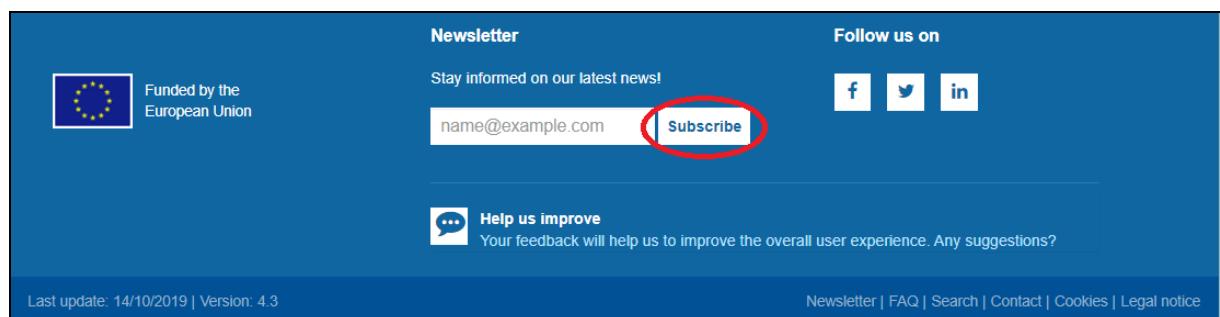
- Enter your E-Mail address
- Click on the button “Subscribe”

The system will display a notification message after successful subscription.



Or

- Enter your email address directly in the footer and click on the “Subscribe” button.



The system will display a notification message after successful subscription.

### 3.1.5 How to view “Tweets” on the EDP

The Home Page displays the latest tweets on the European Data Portal in the “Tweets” panel on the right hand side.

- Click on any of the tweets to display the complete tweet on twitter.
- Scroll vertically to see previous tweets.



### 3.1.6 How to switch to another User Language

The screenshot shows the European Data Portal homepage. At the top right, there is a dropdown menu titled "Search site content" with a list of languages. The list includes English (en), Bulgarian (bg), español (es) (which is highlighted with a red box), čeština (cs), dansk (da), Deutsch (de), eesti keel (et), ελληνικά (el), français (fr), Gaeilge (ga), hrvatski (hr), italiano (it), latviešu valoda (lv), lietuvių kalba (lt), magyar (hu), Maltese (mt), Nederlands (nl), polski (pl), português (pt), română (ro), slovenčina (sk), slovenščina (sl), suomi (fi), svenska (sv), and norsk (no).

Select another language from the language selection box located on the upper right corner of the home page.

The User Interface as well as the main editorial content is displayed in the selected language.

The EDP currently supports all 24 official EU languages + Norwegian:

**English (en), Bulgarian (bg), Spanish (es), Czech (cs), Danish (da), German (de), Estonian (et), Greek (el), French (fr), Irish (ga), Croatian (hr), Italian (it), Latvian (lv), Lithuanian (lt), Hungarian (hu), Maltese (mt), Dutch (nl), Polish (pl), Portuguese (pt), Romanian (ro), Slovak (sk), Slovenian (sl), Finnish (fi), Swedish (sv), Norwegian (no).**

**Note:**

The following detailed editorial content – apart from the landing pages - is only available in English / French and some additional languages:

- Practical Guide (formerly “Goldbook”): (en)
- eLearning Modules: (en, fr, de, it, es, sv)
- Training Companion: (en)
- More Training Material: (en)
- Reports about Open Data: (en)
- Use Cases (en)

### 3.1.7 How to search for EDP Site Content

In order to search within the Portal's site content (i.e. editorial content, articles, events, reports etc.), enter any keyword in the “Search site content” text box and click on the  button.



The site will display all matching content found (here for keyword “Brussels”):

A screenshot of the European Data Portal search results page. The search term "Brussels" is entered in the search bar. The results section shows 164 items found. The first result is a news article titled "Register for European Week of Regions and Cities" about the EWRC event in Brussels. The second result is another news article titled "Two weeks until the European Week of Regions and Cities" about the same event. The third result is a news article titled "Save the date: Connected Mobility Summit 2019" about a mobility summit in Brussels. The fourth result is a news article titled "European Week of Regions and Cities" about the event in Brussels. The fifth result is a news article titled "Open food data on the European Data Portal" about food truck data in Brussels. On the left side, there is a sidebar with a "Current search" button and a "Filter by content type:" dropdown menu containing options like EDP Events, Article, Document, Simplenews newsletter, Highlights, and Library Use Case.

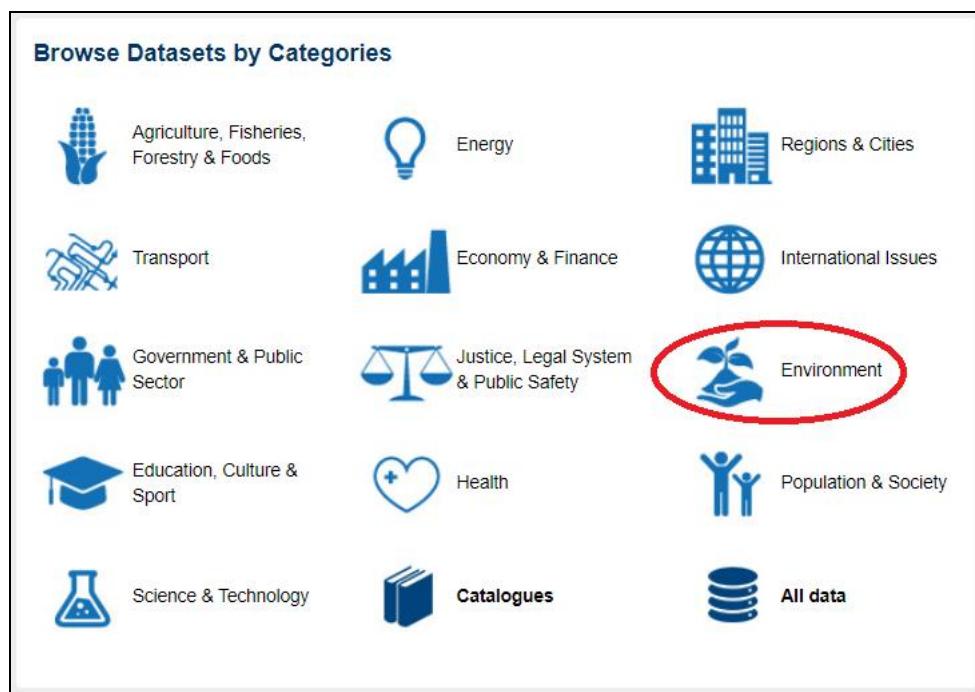
#### Note:

The “Search site content” does not perform any search on datasets.

In order to search for datasets from the EDP Home page, the user should refer to section 3.2.

### 3.1.8 How to Search for Datasets by Data Category

On the Home Page, the user may click on any of the data categories below: icon or on icon text (here: “Environment”)



The system displays all datasets found under the selected data category, as shown below (here: for dataset category “Environment”).

The screenshot shows the European Data Portal's dataset search interface. At the top, there are navigation links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and Login, along with a language selector for English (en). Below the header is a search bar with placeholder text "Search site content..." and a magnifying glass icon.

The main content area features a map of Europe with country names labeled. To the left of the map is a "Settings" sidebar with an "Operator" dropdown set to "AND" and a "Settings" button. A "Countries" section lists datasets by country count:

Country	Count
Germany	25278
France	12051
United Kingdom	8047
Belgium	7127
Italy	6825
Spain	5350
Netherlands	3269
Europe	2364
Finland	1177
Poland	1051

Below the countries section are three dataset cards:

- DBI Vaarweg - Geleidewerk**: Describes data from the DBI package Obsurv. It includes a "Created" date of 31.12.2019 01:00 and a "Updated" date of 31.12.2019 01:00. The source is the National Georegister of the Netherlands.
- Elektroschrott**: Describes elektroschrottaufkommen in Dormage in Tonnen. It includes a "Created" date of 25.01.2019 03:40 and an "Updated" date of 09.10.2019 05:38. The source is GovData.
- Ammonia emissions from agriculture (source: EEA)**: Describes ammonia emissions from agricultural production. It includes a "Created" date of 25.01.2019 03:40 and an "Updated" date of 09.10.2019 02:00. The source is ZIP, OP DATPR, TSV.

By clicking on the “All data” icon , the system starts displaying all datasets across all data categories from the entire repository.

The user can scroll through the datasets found by using the pagination at the bottom of the page.

COM_REUSE		1628	Feinstaub (PM10) Lübeck, Moislinger Allee Tagesmittel 2017	
20130319	645		Um die Gesundheit der Menschen und die Vegetation vor den Einflüssen zu hoher Luftschadstoffbelastungen zu schützen, wird die Luftqualität laufend untersucht und nach gesetzlichen Vorschriften beurteilt. Dafür betreibt das Landesamt für Landwirtschaft, Umwelt und ländliche Räume (LLUR) in Schleswig...	<a href="#">CSV</a> Created 02.10.2019 02:00  Updated 02.10.2019 02:00   GovData
GOD.htm	585			
4.0	265			
http://creativecommons.org/pu...	199			
cc-by	117			

▼

Feinstaub (PM10) Lübeck, St. Jürgen Tagesmittel 2018	
Um die Gesundheit der Menschen und die Vegetation vor den Einflüssen zu hoher Luftschadstoffbelastungen zu schützen, wird die Luftqualität laufend untersucht und nach gesetzlichen Vorschriften beurteilt. Dafür betreibt das Landesamt für Landwirtschaft, Umwelt und ländliche Räume (LLUR) in Schleswig...	<a href="#">CSV</a> Created 02.10.2019 02:00  Updated 02.10.2019 02:00   GovData

Ozon Altendeich 1-Stunden Mittelwert 2018	
Um die Gesundheit der Menschen und die Vegetation vor den Einflüssen zu hoher Luftschadstoffbelastungen zu schützen, wird die Luftqualität laufend untersucht und nach gesetzlichen Vorschriften beurteilt. Dafür betreibt das Landesamt für Landwirtschaft, Umwelt und ländliche Räume (LLUR) in Schleswig...	<a href="#">CSV</a> Created 02.10.2019 02:00  Updated 02.10.2019 02:00   GovData

  
 < 1 2 3 ... 5069 >

### 3.1.9 How to Search for Datasets by Keyword

(please refer to section 3.2.1)

## 3.2 Datasets (Data Platform)

The **datasets section** is the main access point for browsing, filtering and searching the datasets. It offers a faceted search, a full text search and a geographical search. The dataset view provides access and information to the distributions of the dataset.

The home page of this section appears like this:

The screenshot shows the European Data Portal homepage with the following interface elements:

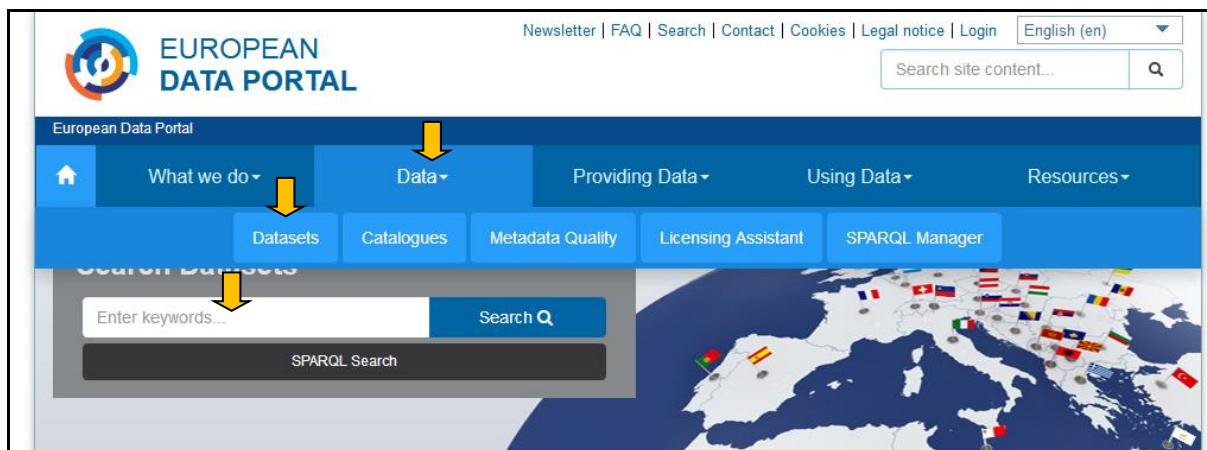
- Header:** Includes links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and Login, along with a language selector set to English (en) and a search bar labeled "Search site content...".
- Breadcrumbs:** European Data Portal > Datasets.
- Navigation Bar:** Home, What we do, Data, Providing Data, Using Data, Resources.
- Filtering and Ordering:** "Filter by location" (with a map of Europe), "Order by: Relevance", and a "Datasets Feed" button.
- Search Bar:** A search bar with placeholder text "Search datasets..." and a magnifying glass icon.
- Dataset Count:** 941493 datasets found.
- Dataset Preview 1:** "Zonnewijzer - Parkeerplaatsen geschikt voor zonnedak". Description: Gegevens worden gebruikt voor de Zonnewijzeratlas, voor het inschatting van het aantal panelen dat geplaatst kan worden op daken en eventuele andere lokaties. Tevens voor de inschatting van de verwachte opbrengst in energie. Created: -, Updated: 10.10.2017 02:00. National Georegister of the Netherlands.
- Dataset Preview 2:** "Zonering vliegvelden (ontwerp-OGV 2014) (historie)". Description: Door Gedeputeerde Staten op 22 januari 2014 vastgestelde ontwerpversie van Zonering vliegvelden. Created: -, Updated: 31.12.2009 01:00. National Georegister of the Netherlands.
- Dataset Preview 3:** "Occupation du sol : 2003, 2012 et 2015 sur le territoire du Grand Narbonne Communauté d'Agglomération et du Parc naturel régional de la Narbonnaise en Méditerranée". Description: Trois millésimes représentants l'occupation du sol en 2003, 2012 et 2015. Les données concernent l'emprise du Grand Narbonne Communauté d'Agglomération et du Parc naturel régional de la narbonnaise en Méditerranée (ainsi que l'amont du bassin versant de la Berre). La source doit impérativement être... UNKNOWN. Created: 03.10.2018 02:00, Updated: 01.06.2020 02:00. Geocatalogue France.
- Sidebar:** "Settings" section with Operator AND/OR toggle, and a "Countries" section listing countries with their dataset counts:
 

Czechia	295493
Germany	175013
France	131145
Italy	59751
United Kingdom	55332
Spain	46002
Poland	32074
Austria	26746
Netherlands	22161
Ukraine	18191

### 3.2.1 Entering the Datasets-View

The user has the following possibilities to enter the datasets view:

- Browsing directly to <http://europeandataportal.eu/data>
- Opening the “Data” item in the main menu, then clicking on “Datasets” in the submenu
- Clicking on “Search” in the “Search Datasets” area, with or without a search keyword entered



### 3.2.2 How to filter datasets by using “Faceted Search”

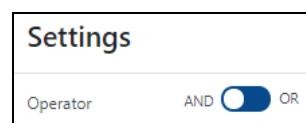
The user can find suitable datasets by performing a “Faceted Search”. This means the user systematically adds properties, which the desired dataset should fulfill, e.g. a dataset should be part of a specific catalogue or category. The following properties are available:

- Countries,
- Catalogues,
- Categories,
- Tags,
- Formats,
- Licences.

Those facets are presented on the left side of the main dataset page. The available options for each facet always reflect the availability of it in the current set of results. The numbers in brackets indicate how many datasets in total have that property e.g. there are 117,610 datasets with a distribution in CSV format.

Formats	
CSV	117610
JSON	25451
html	14713
XML	12744
XLS	11687
XLSX	6019
GeoJSON	5996

By clicking on a facet the result set is filtered by the selected property. Multiple selections are linked together by a logical “AND or “OR”.



The following example will find datasets which are from catalogue “data.gov.uk” **AND** are in the categories “Environment” **AND** have a distribution in the formats (“CSV” or JSON”).

Facets can be selected and deselected. In addition a key word can be entered to filter the results even more.

**European Data Portal > Datasets**

Newsletter | FAQ | Search | Contact | Cookies | Legal notice | Login | English (en) ▾

Search site content...

What we do ▾ Data Providing Data ▾ Using Data ▾ Resources ▾

Filter by location  Order by: Relevance

46 datasets found

Catalogues: [data.gov.uk](#)

Categories: [Environment](#)

Formats: [CSV](#)  [JSON](#)

**Settings**

Operator AND  OR

**Countries**

- United Kingdom 46

**Catalogues**

- data.gov.uk** 46

**Categories**

- Environment** 46

**Formats**

- CSV** 46
- JSON** 46
- HTML 35

Animals frozen, including type and quantity

<p>Animals frozen, including type and quantity</p>

Created

Updated

data.gov.uk

Land\_Use\_Information

Multiple layers of land use information from ordnance survey within the upper Thames catchment. These files comprise lake region, river lines, surface water area, urban region, surface water line and woodland region.

Created

Updated

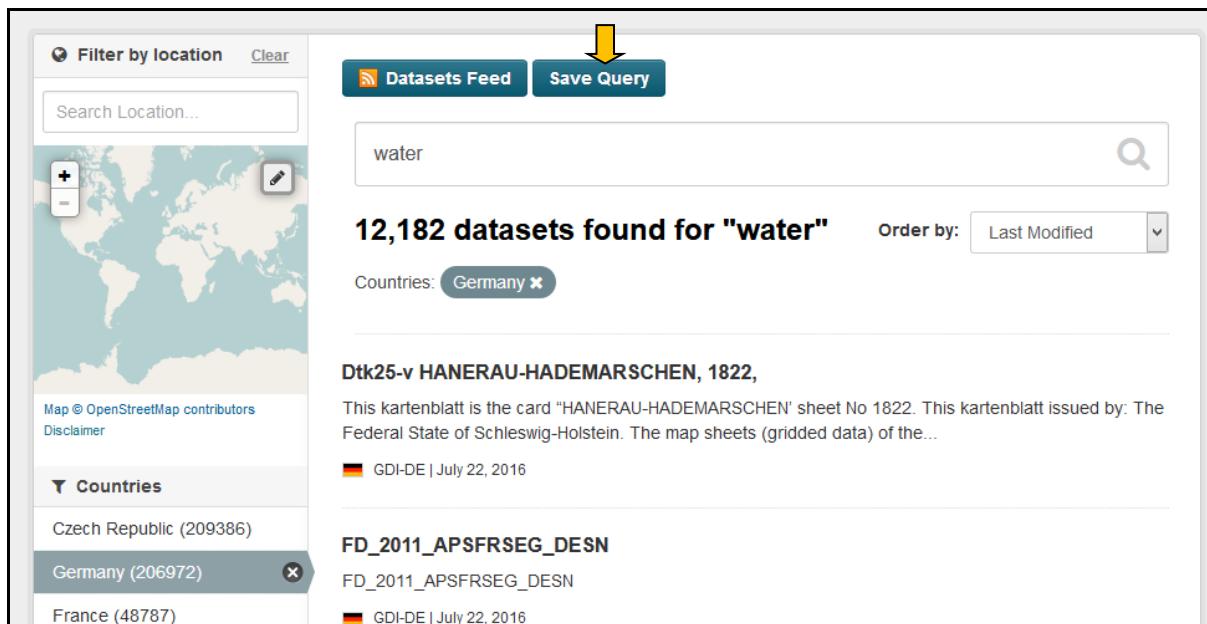
data.gov.uk

OSNI Open Data 10k Grid

National Grid Reference System for Northern Ireland

### 3.2.3 How to store personal queries

As a **logged-in user** it is possible to store queries. This includes the search term and selected facets. The option is available by clicking on “Save Query” on the datasets view.

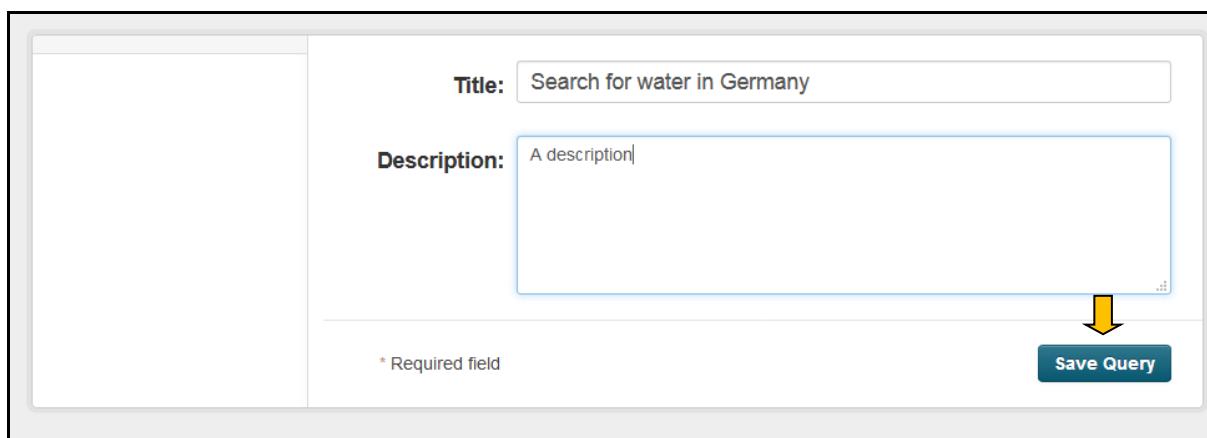


The screenshot shows the European Data Portal's search interface. A yellow arrow points from the search bar to the "Save Query" button. The search bar contains the text "water". Below the search bar, the text "12,182 datasets found for \"water\"" is displayed. To the right of the search bar, there is a dropdown menu for "Order by" set to "Last Modified". Underneath the search bar, the text "Countries: Germany" is shown. The main content area displays two dataset cards:

- Dtk25-v HANERAU-HADEMARSCHEN, 1822,**  
This kartenblatt is the card "HANERAU-HADEMARSCHEN" sheet No 1822. This kartenblatt issued by: The Federal State of Schleswig-Holstein. The map sheets (gridded data) of the...  
GDI-DE | July 22, 2016
- FD\_2011\_APSPRSEG\_DESN**  
FD\_2011\_APSPRSEG\_DESN  
GDI-DE | July 22, 2016

On the left side of the interface, there is a sidebar with a "Filter by location" section containing a world map and a search input field for "Search Location...". Below the map, there are links for "Map © OpenStreetMap contributors" and "Disclaimer". A "Countries" section is also present, with "Germany (206972)" selected and highlighted in grey, while "Czech Republic (209386)" and "France (48787)" are listed below it.

The user has to enter a title and description for the query. After submitting the form by clicking on “Save Query” the current state of the search query will stored.



The screenshot shows a "Save Query" form. A yellow arrow points from the "Save Query" button to the bottom right. The form fields are:

- Title:** Search for water in Germany
- Description:** A description|
- Note:** \* Required field

A list of all stored queries can be found in the user's dashboard: Data > Dashboard > My Queries. Each user can only access their own queries. It is possible to search, sort and delete the queries. By clicking on the title of the query the respective search is executed.



News feed My Queries Edit settings

Search queries ...

1 query found

Search for water in Germany April 4, 2017

A description

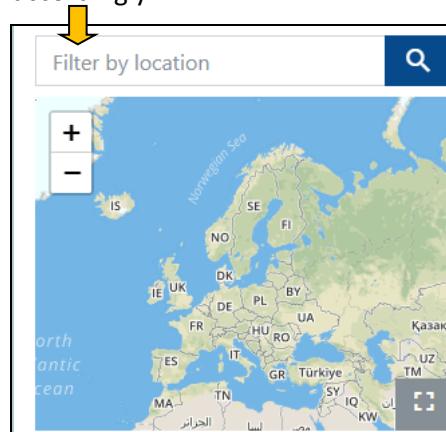
Order by: Last Modified

### 3.2.4 How to filter datasets by geographical area

Many datasets are associated with geographical information. It is possible to filter the datasets by providing a location or area. Only datasets which are within this geographical area are displayed in the result set. The core idea is to select the desired geographical area by highlighting it within a provided map.

There are two approaches to provide this area:

1. The user enters a location keyword in the “Filter by location” input field on the left side, which triggers a search for suitable geo names (e.g. “Paris”). All the results are linked to coordinates. By selecting one result the location is automatically highlighted within the map. The result set is filtered accordingly.



The European Data Portal search results for 'Paris' show the following list of datasets:

- Paris, Île-de-France, Paris
- Paris
- Paris, Region Midtjylland, Lemvig Kommune
- Le Touquet-Paris-Plage, Hauts-de-France, Pas-de-Calais
- Try Paris, Wallonia, Province de Namur
- Madonna di Paris, Lazio, Provincia di Francaville
- Paris 04 Hôtel-de-Ville, Île-de-France, Paris
- Paris 13 Gobelins, Île-de-France, Paris
- Paris 10 Entrepôt, Île-de-France, Paris
- Paris 08 Élysée, Île-de-France, Paris

**DCE – Bassin La Réunion - État écologique - État biologique - Phytoplancton**

Évaluation de la qualité écologique des masses d'eau côtières de la Réunion dans le cadre du programme de surveillance de la Directive Cadre sur l'Eau (2000/60/CE) pour le phytoplancton. Seul l'indice biomasse est pris en compte, la composition et l'abondance ne pouvant encore être définies. Les pr...

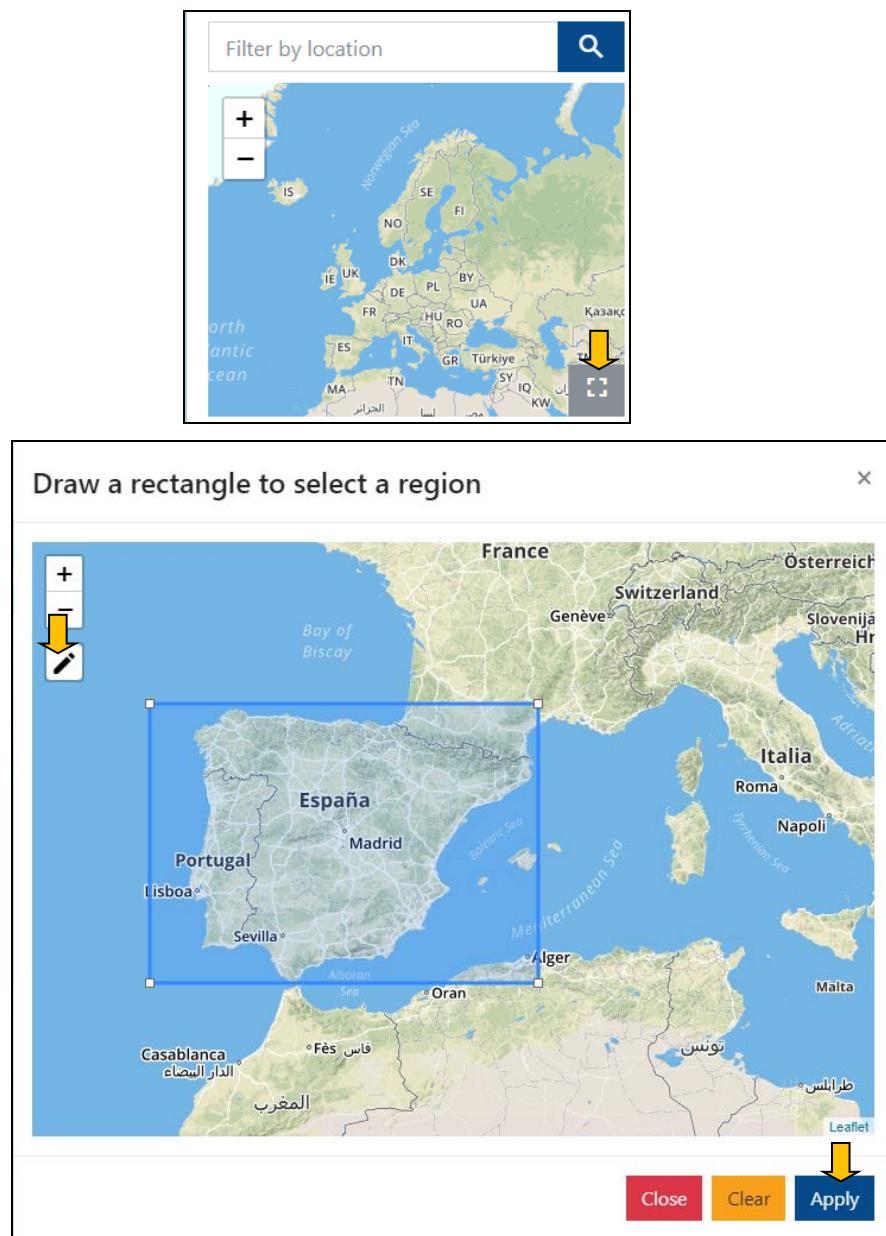
Created -  
Updated 02.12.2019 01:00

Geocatalogue France

**Service de téléchargement direct (WFS) du jeu de données : Périmètres du PPRi MORTAGNE**

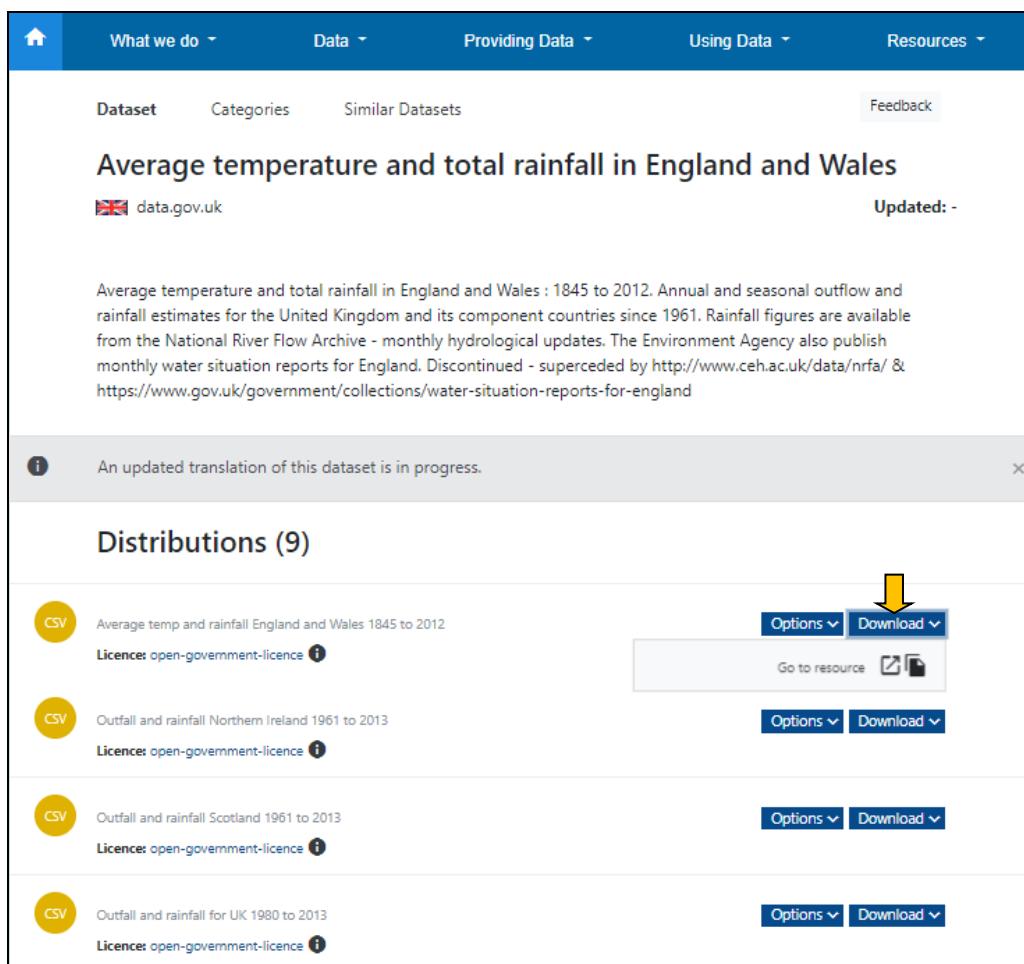
Ce jeu de données contient les périmètres de délimitation

2. The second possibility is a manual selection of a geographical area. The users first clicks on the grey square and the map enlarges automatically. Then, the user clicks on the “Pencil” button and selects an area by drawing a rectangle over the desired location with the mouse (here: Spain). The filtering is applied by clicking on “Apply”.



### 3.2.5 How to download dataset distributions

Besides special formats (see chapters 3.3 and 3.4) distributions are not displayed within the platform but only linked. When the user enters the detailed view of a dataset by selecting it in the search result, all available distributions are listed. For downloading a distribution, the user clicks on the “Download” button and then on the “Go to resource” icon.



Average temperature and total rainfall in England and Wales

data.gov.uk Updated: -

Average temperature and total rainfall in England and Wales : 1845 to 2012. Annual and seasonal outflow and rainfall estimates for the United Kingdom and its component countries since 1961. Rainfall figures are available from the National River Flow Archive - monthly hydrological updates. The Environment Agency also publish monthly water situation reports for England. Discontinued - superceded by <http://www.ceh.ac.uk/data/nrfa/> & <https://www.gov.uk/government/collections/water-situation-reports-for-england>

An updated translation of this dataset is in progress.

### Distributions (9)

CSV	Description	Options	Download	Go to resource
CSV	Average temp and rainfall England and Wales 1845 to 2012	Options	Download	Go to resource
CSV	Outfall and rainfall Northern Ireland 1961 to 2013	Options	Download	
CSV	Outfall and rainfall Scotland 1961 to 2013	Options	Download	
CSV	Outfall and rainfall for UK 1980 to 2013	Options	Download	

### 3.2.6 How to view licensing information

Licensing information is available for all datasets associated with common licences, which are supported by the Licence Assistant. When available a link to the assistant is provided on left side of a dataset page.

By clicking on the **licence name** (here: cc-by), the Licence Assistant tool is opened in a new window, displaying relevant information for this particular licence.

The screenshot shows a dataset page on the European Data Portal. The main content area displays a table titled "Table 12 - Analysis of staff costs 2016/17 to 2017/18". Below the table, there is a link labeled "Licence: cc-by". A red circle highlights this link. To the left of the main content, there is a sidebar with the title "Licenses" and a list of options: "Derivative works", "Create", "Distribute", "Redistribute", "Reproduce", and "Reproduce visual resources protected". To the right of the main content, there is another sidebar titled "Comparable licences" which lists various licence types. The list includes: CC-BY-NC-ND4.0, CC-BY-NC-SA4.0, CC-BY-NC4.0, CC-BY-ND4.0, CC-BY-SA3.0NL, CC-BY-SA4.0, CC-BY3.0NL, CC-BY4.0, CCBY3.0Austria, DL-DE-BY-NC1.0, DL-DE-BY1.0, DL-DE-BY2.0, EUPL-1.1, FR-LO, GFDL-1.1, GFDL-1.2, GFDL-1.3, IODLv1.0, IODLv2.0, NLOD, ODC-BY, ODC-ODbL, OGL-NC, OGL-ROU-1.0, OGL1.0, OGL2.0, OGL3.0, and PSEUL.

By clicking on the “Data->Licensing Assistant” link in the main menu, the Licence Assistant is opened in a new window, displaying relevant information of all supported licences by the tool.

The screenshot shows the European Data Portal's Licensing Assistant interface. At the top, there is a navigation bar with links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and language selection (English (en)). Below the navigation bar is a search bar labeled "Search site content..." with a magnifying glass icon. The main content area is titled "Licensing Assistant". A sidebar on the left lists categories: Datasets, Catalogues, Metadata Quality, Licensing Assistant (which is selected and highlighted in blue), SPARQL Manager, and Statistics. The central part of the page contains a large text box with the following text:

**Data which is shared with a licence becomes Open Data. There are many licences available. The licence assistant provides a description of the available licences. It also gives an overview of how to apply licences as re-publisher/distributor of Open Data and how to combine multiple licences.**

Below this text is a section titled "Please find a licence by selecting the preferred licence terms below:" with a "Advanced settings" button. The main content area is organized into three columns: "Obligation", "Permission", and "Prohibition". Each column contains several terms represented as colored boxes. The "Obligation" column includes Lesser Copyleft, Attribution, Sharealike, Notice, Copyleft, and State Changes. The "Permission" column includes Derivative Works, Distribution, Reproduction, Sublicensing, and Use patent claims. The "Prohibition" column includes Commercial use. Below these columns is a table showing various license types (CC BY 3.0 Austria, CC-BY 4.0, CC-BY 3.0 NL, CC-BY-NC 4.0, CC-BY-NC-ND 4.0) with their corresponding terms checked off in the respective columns.

Name	Obligation	Permission	Prohibition
CC BY 3.0 Austria	Attribution	Derivative Works, Distribution, Reproduction	Notice, Commercial use
CC-BY 4.0	Attribution, State Changes	Derivative Works, Sublicensing, Reproduction	Notice, Distribution
CC-BY 3.0 NL	Attribution	Derivative Works, Reproduction	Notice, Distribution
CC-BY-NC 4.0	Attribution	Derivative Works, Distribution, Reproduction	Notice, Sublicensing, Commercial use, State Changes
CC-BY-NC-ND 4.0	Attribution, State Changes	Derivative Works, Distribution, Reproduction	Notice, Commercial use, Sublicensing

### 3.2.7 How to switch to another user language

The user language can be switched by selecting a language from the dropdown menu on the top. This changes the interface language and the language of metadata fields of the datasets, which are provided in multiple languages, mainly title and description.

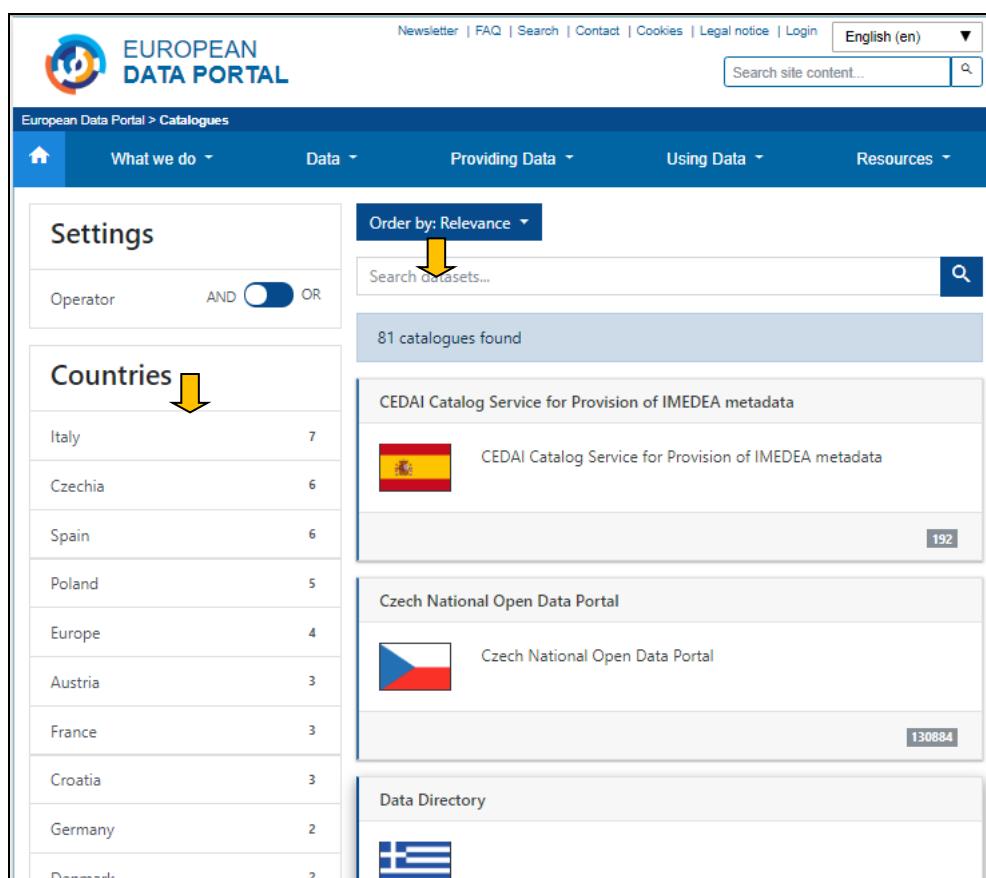
The screenshot shows the European Data Portal's dataset search interface. At the top right, there is a dropdown menu for language selection. The current language setting is "English (en)". A scrollable list of other languages is visible, including: Български (bg), čeština (cs), dansk (da), Deutsch (de), Ελληνικά (el), English (en), español (es), eesti (et), français (fr), Gaeilge (ga), Hrvatski (hr), Magyar (hu), italiano (it), lietuvių (lt), latviešu (lv), Malti (mt), Nederlands (nl), polski (pl), português (pt), and română (ro). The "italiano (it)" option is highlighted with a blue background. The main search area displays 1178 datasets found, filtered by United Kingdom, Environment category, and CSV format. A sidebar on the left contains sections for Settings, Countries (United Kingdom), and Catalogues (data.gov.uk).

By default the searching for datasets is performed within all available languages.

### 3.2.8 How to browse by data catalogues

By browsing to **Data > Catalogues** in the main menu, all source catalogues are listed and/or can be searched for by entering a keyword contained in the catalogue name or description.

Catalogues can also be filtered by their country of origin. This can be done by selecting one or more countries in the left country facet. The page then lists all catalogues from the selected countries.



The screenshot shows the European Data Portal's Catalogues page. At the top, there is a navigation bar with links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and Login, along with a language selector set to English (en). Below the navigation is a search bar with the placeholder "Search site content..." and a magnifying glass icon. On the left, a sidebar titled "Settings" includes a search operator selector (AND/OR) and a "Countries" dropdown menu. A yellow arrow points to the "Countries" dropdown. The main content area displays a list of catalogues, each with a thumbnail image, the catalogue name, and a count of datasets. The first entry is "CEDAI Catalog Service for Provision of IMEDEA metadata" (Spain, 192 datasets). The second entry is "Czech National Open Data Portal" (Czechia, 130884 datasets). The third entry is "Data Directory" (Greece).

Country	Catalogue Name	Number of Datasets
Spain	CEDAI Catalog Service for Provision of IMEDEA metadata	192
Czechia	Czech National Open Data Portal	130884
Greece	Data Directory	-

<http://www.free-country-flags.com/>

### 3.3 Visualization of Geo-Spatial Data (map.apps)

The visualization of geo-spatial data within the European Data Portal provides previewing functionality for spatial open data. The aim is to allow the user to assess if a dataset meets specific requirements in terms of spatial and thematic coverage. The functionality that is provided in the header (links to disclaimers and language switching) is consistent in the entire portal.

#### 3.3.1 How to visualize geo-spatial data from a dataset resource

Accessing the geo-spatial visualization is achieved via the Data Platform interface. A user searches for specific data, enters the dataset view of reasonable results and displays the available distributions (see Section 3.2.5). If a dataset distribution is supported by the geo-spatial visualization, a globe button is displayed (see Figure 3). This is the entry point into the map viewer application. Supported formats are OGC Web Map Service (WMS) and GeoJSON. If the user visits the geo-spatial visualization for the first time, an interactive user tutorial is provided to guide the use through specific functions of the user interface, similar to this written user manual.

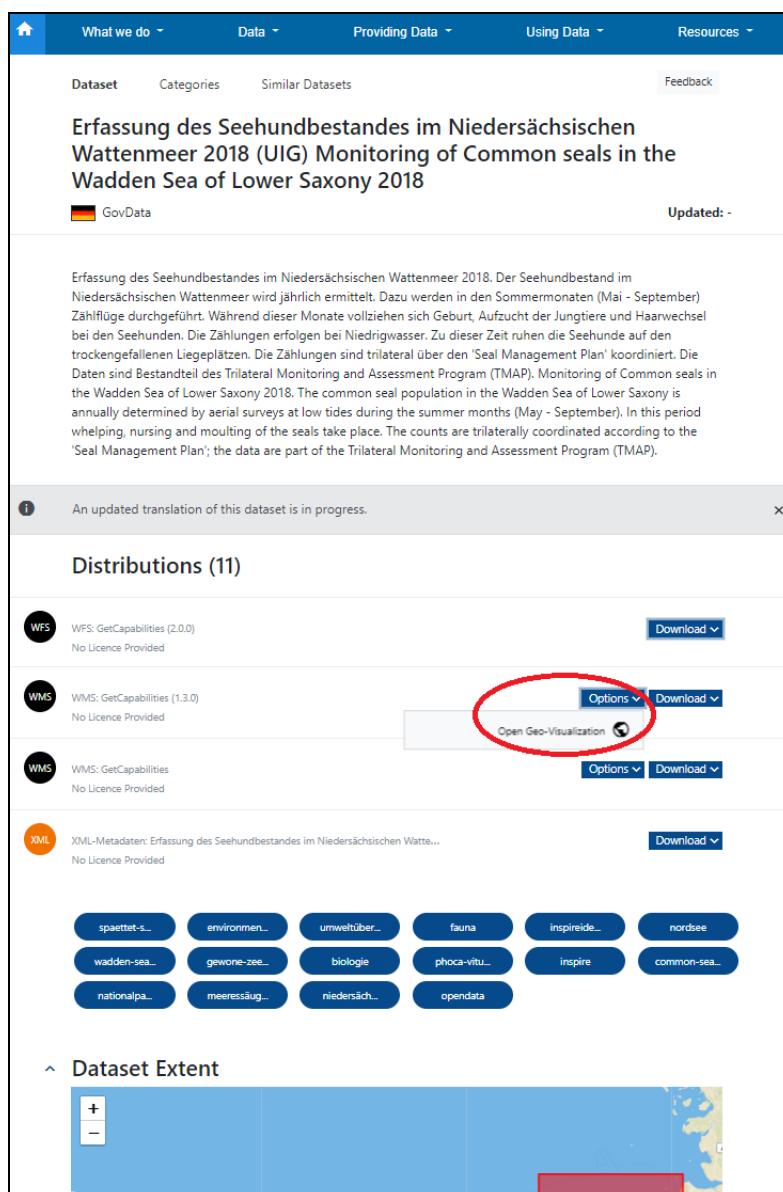


Figure 3 – Dataset Resource Page with Link to Geo-Spatial Visualisation.

Once within the map viewer application, the user can decide which layers to be displayed. Most Web Map Service (WMS) instances provide more than one layer. The geo-spatial visualization provides a dialog for choosing the desired layers for display (see Figure 4).

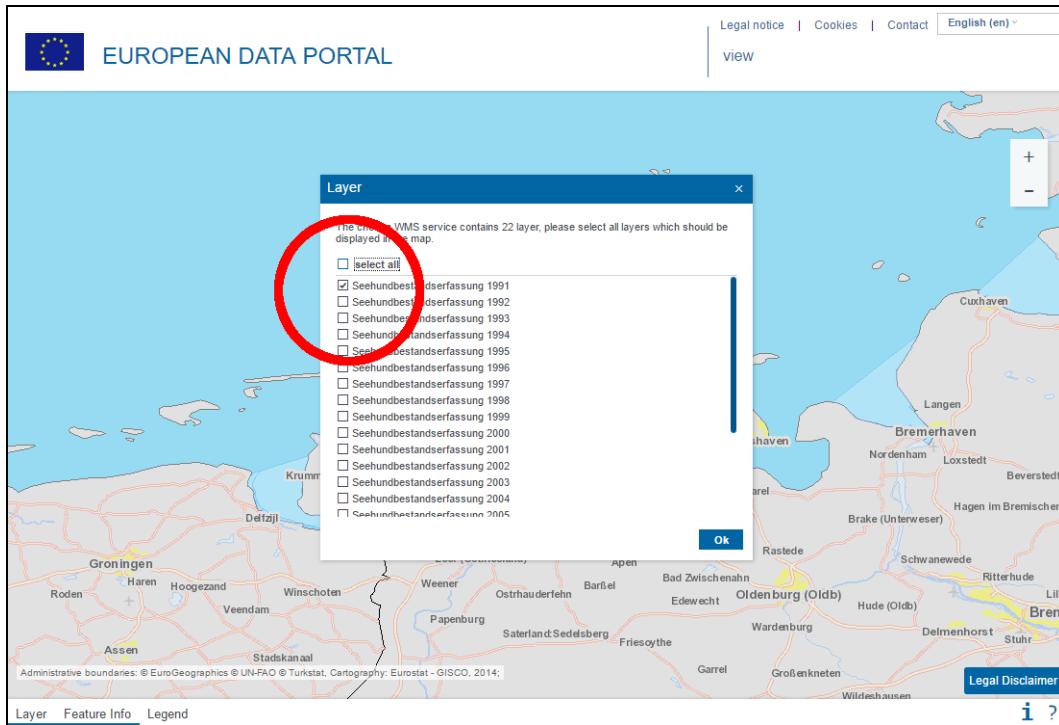


Figure 4 – Selection of layers.

In order to examine the resource in more detail, the user can click on a geographic feature while the “Feature Info” tool is enabled (see Figure 5). This function is only enabled if the service supports this kind of detailed query.

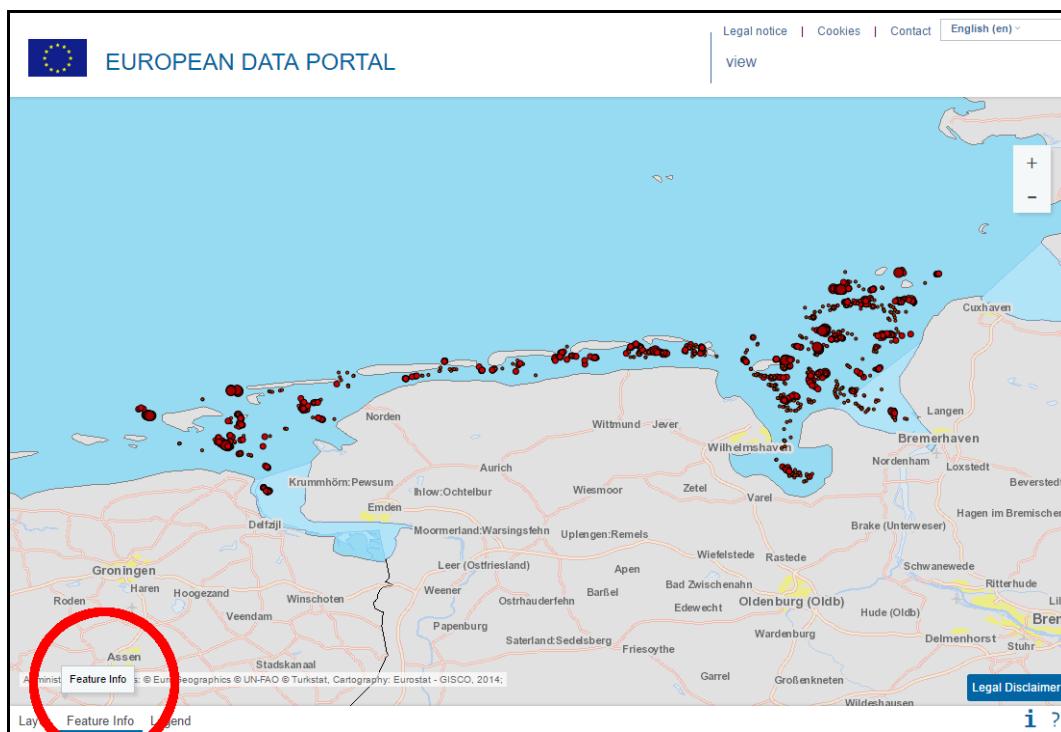


Figure 5 – Feature Info tool.

The different displayed layers can be examined using the “Legend” tool. If the external service provides legend graphics, the user can interpret the given symbology and temporarily disable the display of layers (see Figure 6).

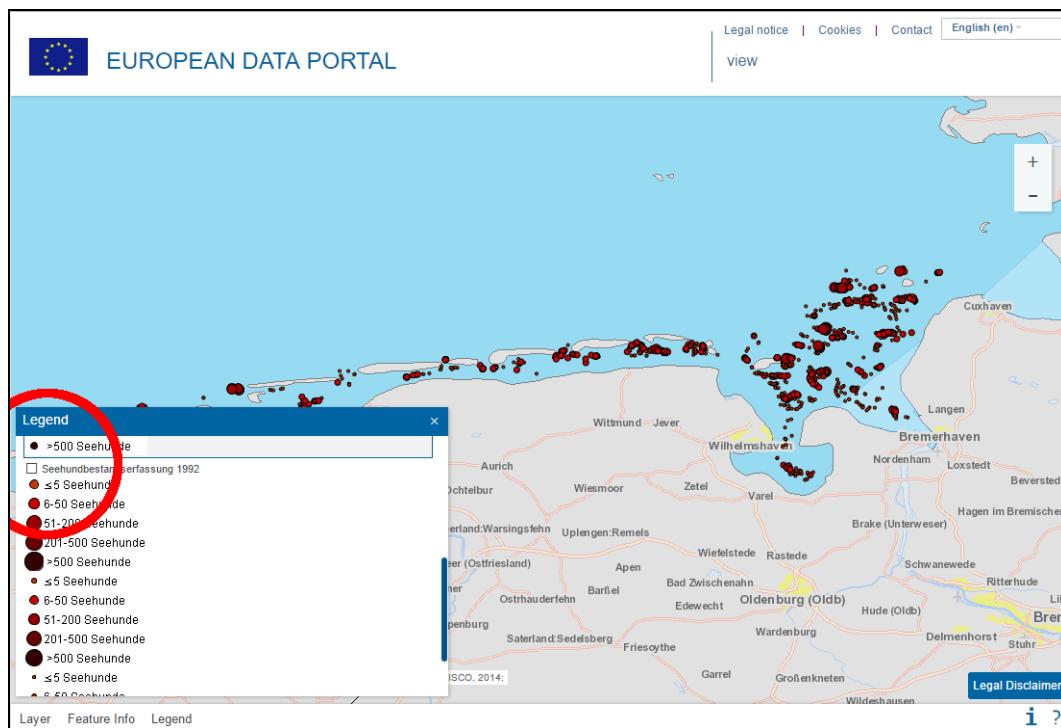


Figure 6 – Legend tool.

The two buttons on the bottom right of the map viewer (see Figure 7) can be used to display an informational disclaimer and to start the user interface tutorial.

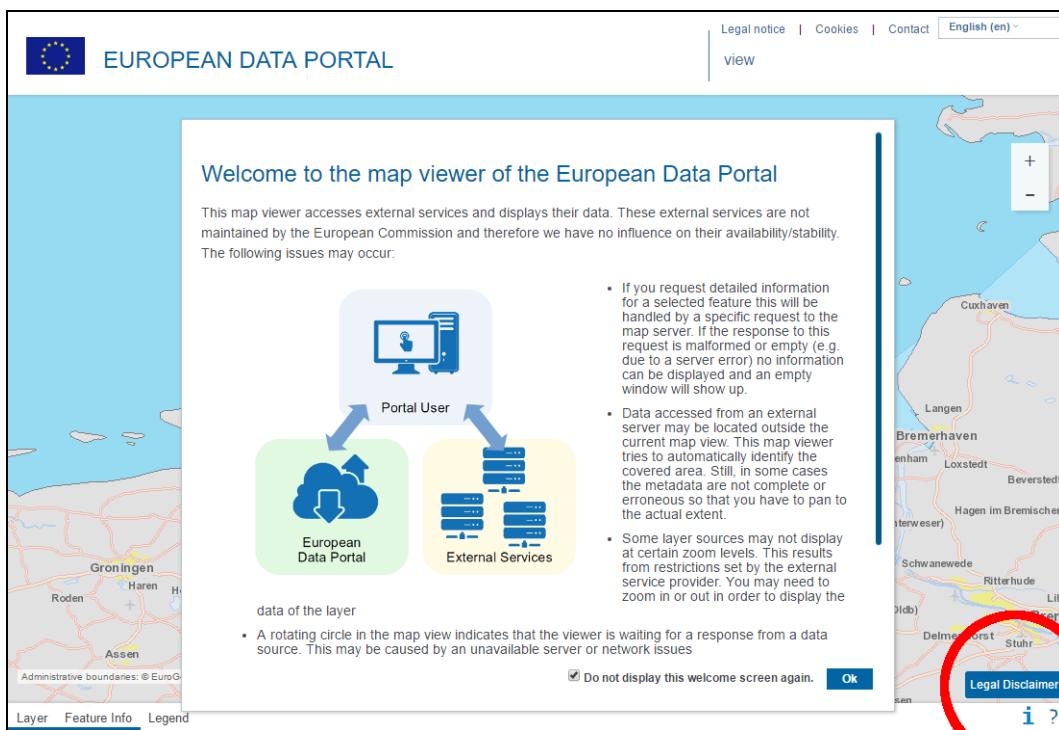


Figure 7 – Disclaimer and tutorial buttons.

In some cases the user might experience the display of an error message. The geo-spatial visualization tries to support all flavors of external services but cannot guarantee to work with broken services. In these situations an error message dialog is presented and the user can decide if a support ticket shall be opened (see Figure 8).

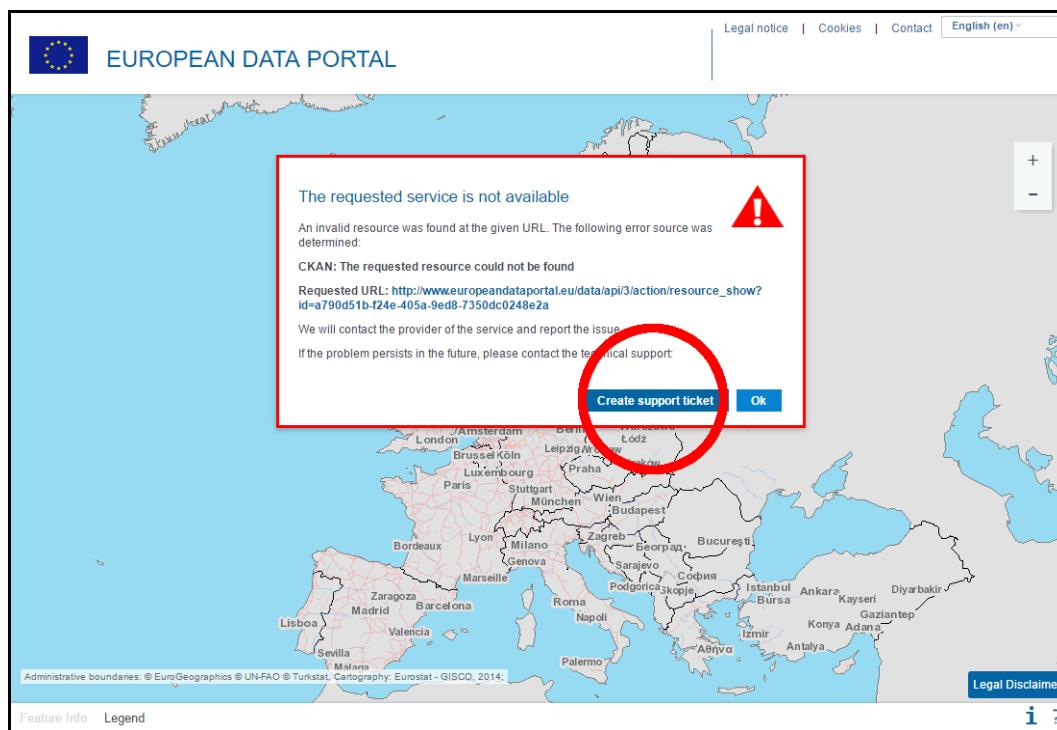


Figure 8 – Error message dialog.

## 3.4 Graphical Data Visualisation Tool

This section describes the features of the graphical visualisation tool for numeric data. The features are currently available for XLS (Excel) and CSV files, except for the selection of the sheet name which is applicable only for Excel files.

Most GUI elements from the “Graph” tab (records selection, search box, filters and fields buttons) are also available on the “Grid” tab and work in the same way.

### 3.4.1 How to visualize graphical data from a dataset resource

As a result of a dataset search, the system displays on the “Dataset” tab all distributions (resource/data files) that are part of the selected dataset. Each XLS or CSV distribution of the dataset can be further explored by clicking on “Open Visualization” under the “Options” button – if available.

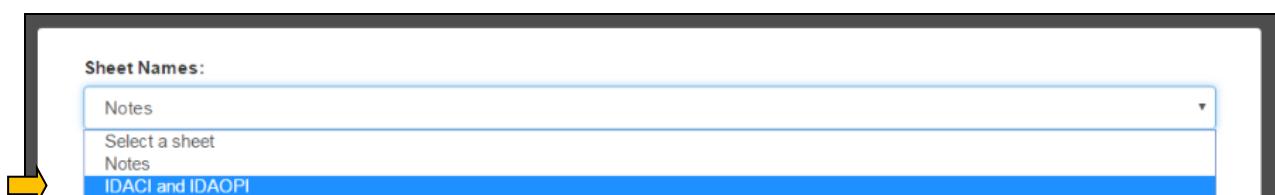
The screenshot shows the 'Dataset' tab for the 'English Indices of Deprivation 2010' dataset. At the top, there are navigation links: 'What we do', 'Data', 'Providing Data', 'Using Data', and 'Resources'. Below these are links for 'Dataset', 'Categories', 'Similar Datasets', and 'Feedback'. The main title is 'English Indices of Deprivation 2010' with a 'data.gov.uk' link and an 'Updated: -' status. A note says 'An updated translation of this dataset is in progress.' Below this is a section titled 'Distributions (19)'.

- XLS**: 2010: Supplementary indices children & older people. License: open-government-licence. Options, Download, Open Visualization.
- CSV**: 2010: All domains, sub domains & supplementary indices. License: open-government-licence. Options, Download.
- XLS**: 2010: Sub-domains barriers to housing & services. License: open-government-licence. Options, Download.

After clicking on the “Open Visualization” button, the user should execute the following steps:

### Step 1: Select a Sheet Name

The Portal is parsing the XLS file and lists all available worksheets. Select one of the sheets contained in the XLS file.



### Step 2: The Grid View

The grid appears once the user has clicked on a file name (and a sheet name in case of an Excel file).

LSOA	PRE 200...	PRE 200...	POST 2...	POST 2...	GOR CO...	GOR NA...	IDACI s...	Rank of ...	IDAOPI ...	Rank of ...
E01000...	00AA	City of L...	00AA	City of L...	H	London	0.04	28761	0.00	32456
E01000...	00AA	City of L...	00AA	City of L...	H	London	0.00	32415	0.03	32339
E01000...	00AA	City of L...	00AA	City of L...	H	London	0.19	13938	0.18	14932
E01000...	00AA	City of L...	00AA	City of L...	H	London	0.05	27689	0.07	29527
E01000...	00AA	City of L...	00AA	City of L...	H	London	0.29	8404	0.35	4973
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.21	12445	0.18	15003
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.46	3011	0.39	3309
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.64	463	0.41	2925
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.25	10525	0.41	2899
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.56	1217	0.38	3872
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.35	6267	0.39	3389
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.53	1601	0.29	7732
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.43	3853	0.33	5529
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.38	5189	0.33	5801
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.44	3645	0.32	5887
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.32	7495	0.29	7297
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.40	4560	0.37	3991
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.39	5031	0.28	7984
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.38	5273	0.31	6382
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.32	7482	0.36	4455
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.43	3949	0.36	4639
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.30	8175	0.35	4798
E01000...	00AB	Barking ...	00AB	Barking ...	H	London	0.49	2416	0.32	5962

### Step 3: The Graph Tab

Click on the graph tab in order to display the corresponding graph.



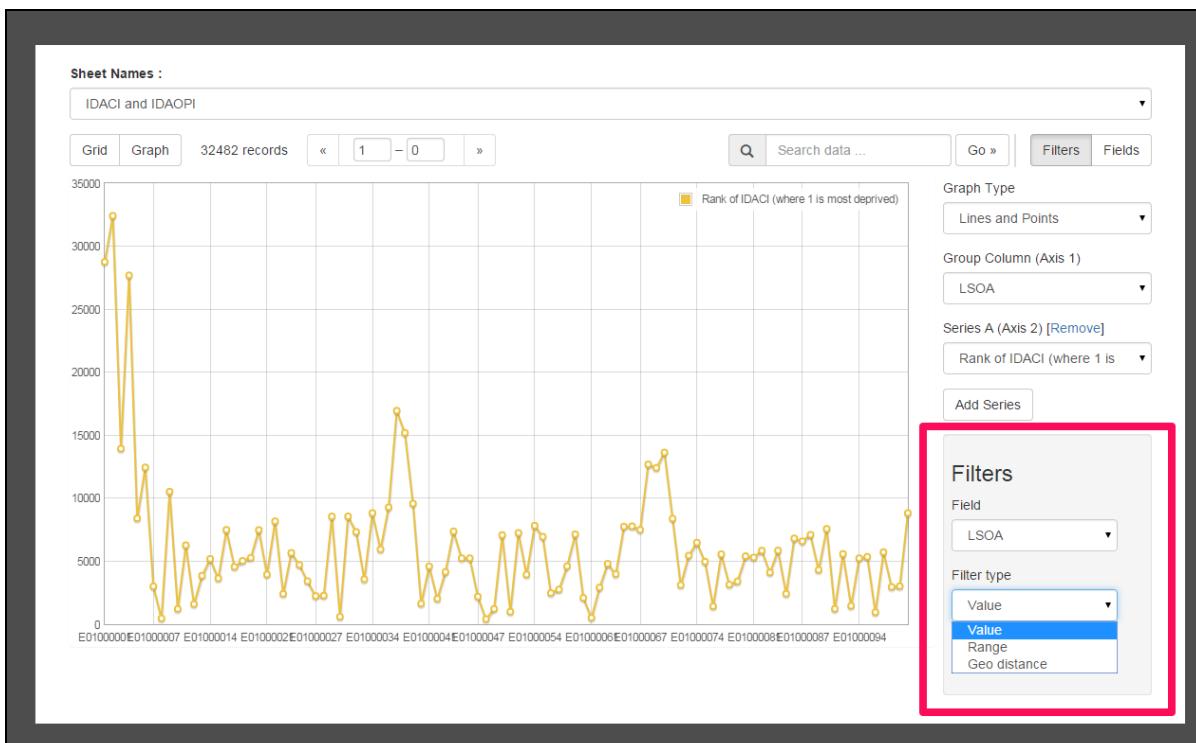
1. Selection of the sheet name
2. Button to go back to the “Grid” view
3. Selection of a range of data records
4. Search box
5. Filters button to open the filters form
6. Fields button to open the fields box
7. Select box to select the graph type
8. Select box to select the group column (Axis 1)
9. Select box to select the series A (Axis 2)
10. Button to add series

## Step 4: Filters

Once the user clicks on the filters button the filters form appears.

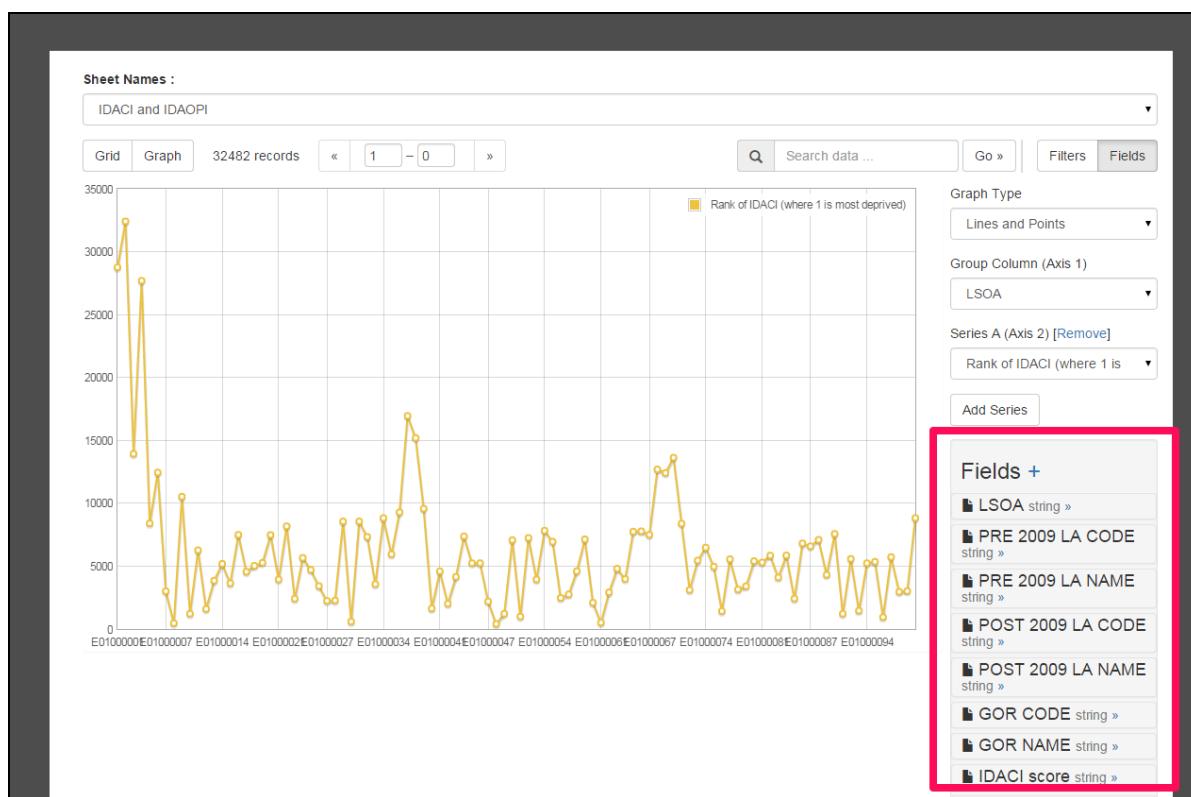


After clicking on “Add filter”, the available fields appear and the user can now filter the data with a specific value or range.



## Step 5: Fields

Click on the “Fields” button in order to display the fields box that contains the list of available fields.



## Step 6: Adding another data series

Click on the “Add Series” button to add another data series to the current graph as shown below.



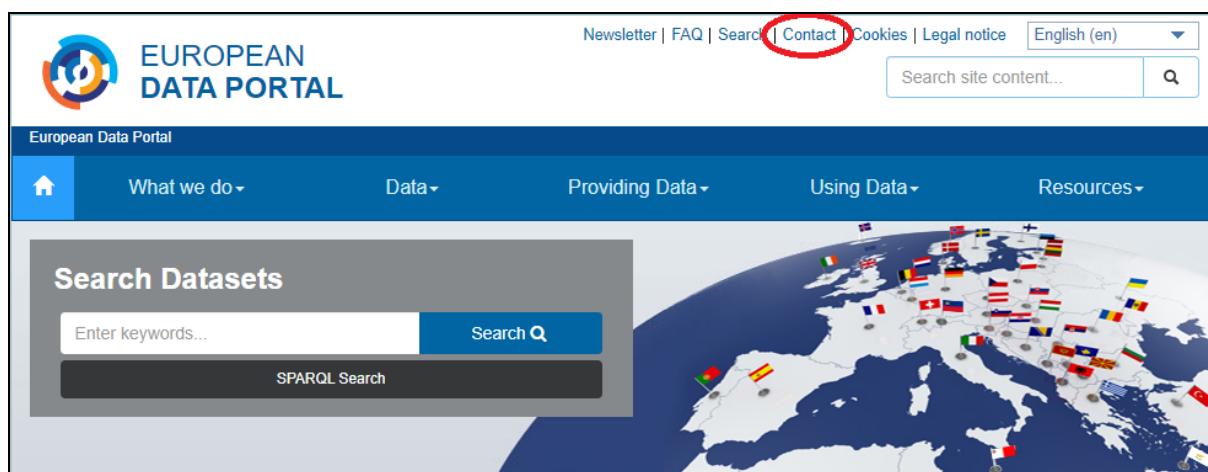
## 3.5 Help Desk

### 3.5.1 How to contact the Portal's Help Desk

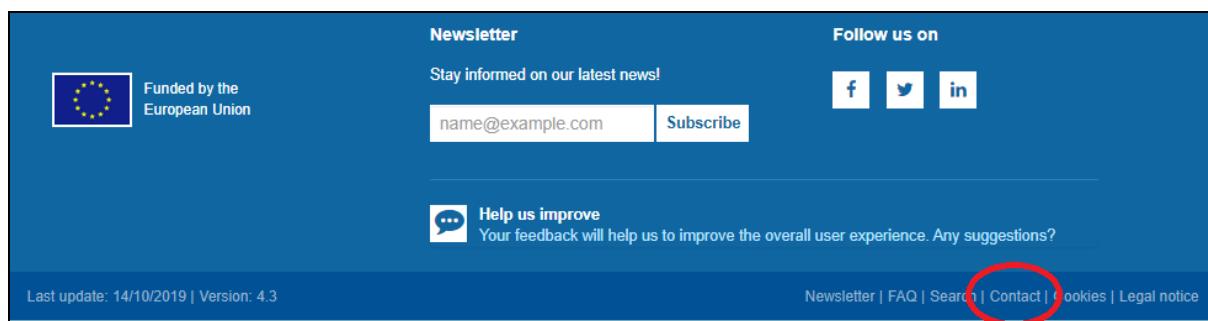
The European Data Portal Help Desk can be contacted:

- **By email:** [help@europeandataportal.eu](mailto:help@europeandataportal.eu)
- **By phone:** the Portal's Help Desk is staffed by a multilingual team of experts, who can be contacted from Monday to Friday from 09:30 to 17:30 (CET).
  - EN: (+352) 31 44 01-448
  - FR: (+352) 31 44 01-449
- By providing comments and suggestions via the **online contact/feedback form** available from the Portal's home page.

From the header:



From the footer:



After clicking on the "Contact" item, the following form is displayed:

Newsletter | FAQ | Search | Contact | Cookies | Legal notice English (en) ▾

Search site content...

European Data Portal > Contact

What we do ▾ Data ▾ Providing Data ▾ Using Data ▾ Resources ▾

## Contact

Your name\*

Your email address\*

Please choose an issue type:

General information request

Summary\*

Description\*

Drop your file to upload here

or Browse

N B 5 r T

What code is in the image?\*

Enter the characters shown in the image.

Submit

Call us between 09:30 - 17:30 (CET)  
EN: +352 31 44 01-448  
FR: +352 31 44 01-449  
email: [help@europeandataportal.eu](mailto:help@europeandataportal.eu)

## 3.6 Metadata Quality Assurance (MQA)

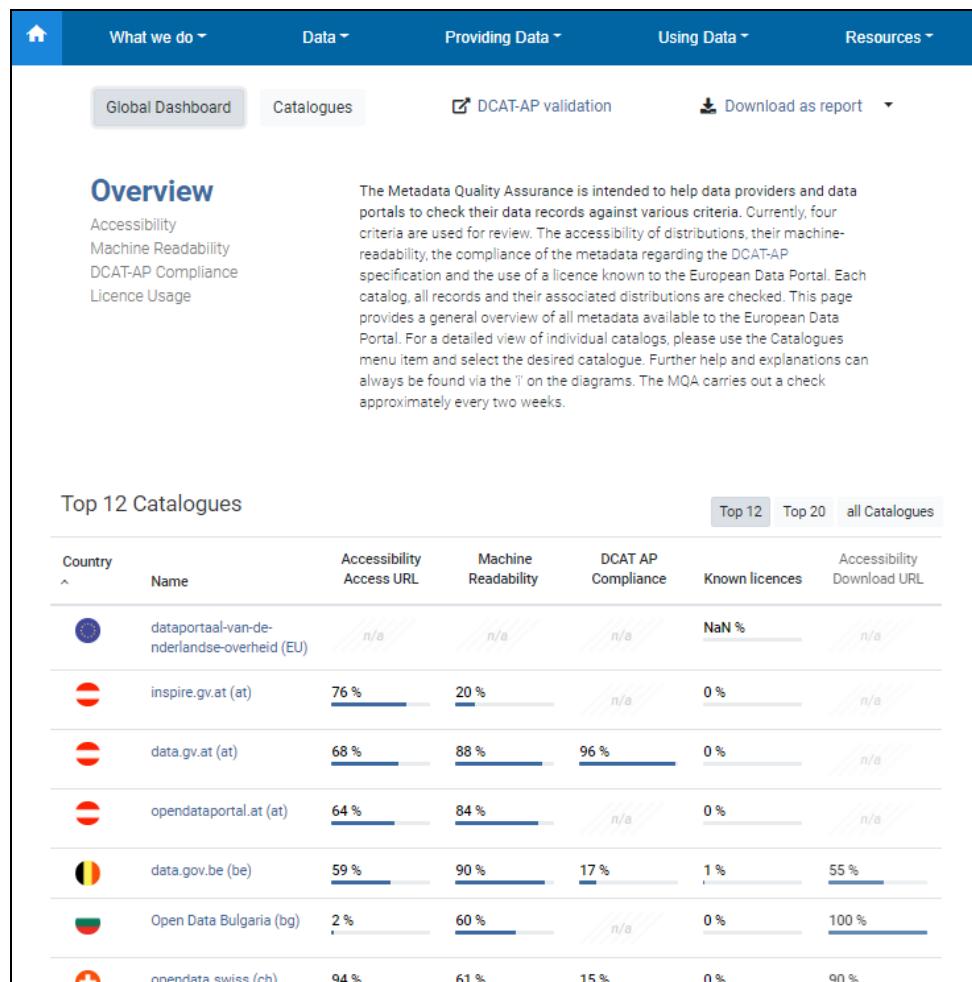
The Metadata Quality Assurance is a component to monitor the quality of the metadata that is harvested from other portals or stored manually with the EDP metadata creation form. Currently quality measurement is based on metadata schema violation against DCAT-AP 1.1 and availability of the distributions of a dataset. The M QA is running checks on a weekly basis. Each check has a duration of a couple of days. This is due to the HTTP GET requests against each single distribution in the portal, checking their availability.

In addition to the navigation buttons in the dark blue bar at the top of the page, a drop down menu allows the downloading of a report file, in which all the data generated by the M QA is contained. The report is available in various formats. The PDF report includes the charts displayed.

### 3.6.1 The Global Dashboard View

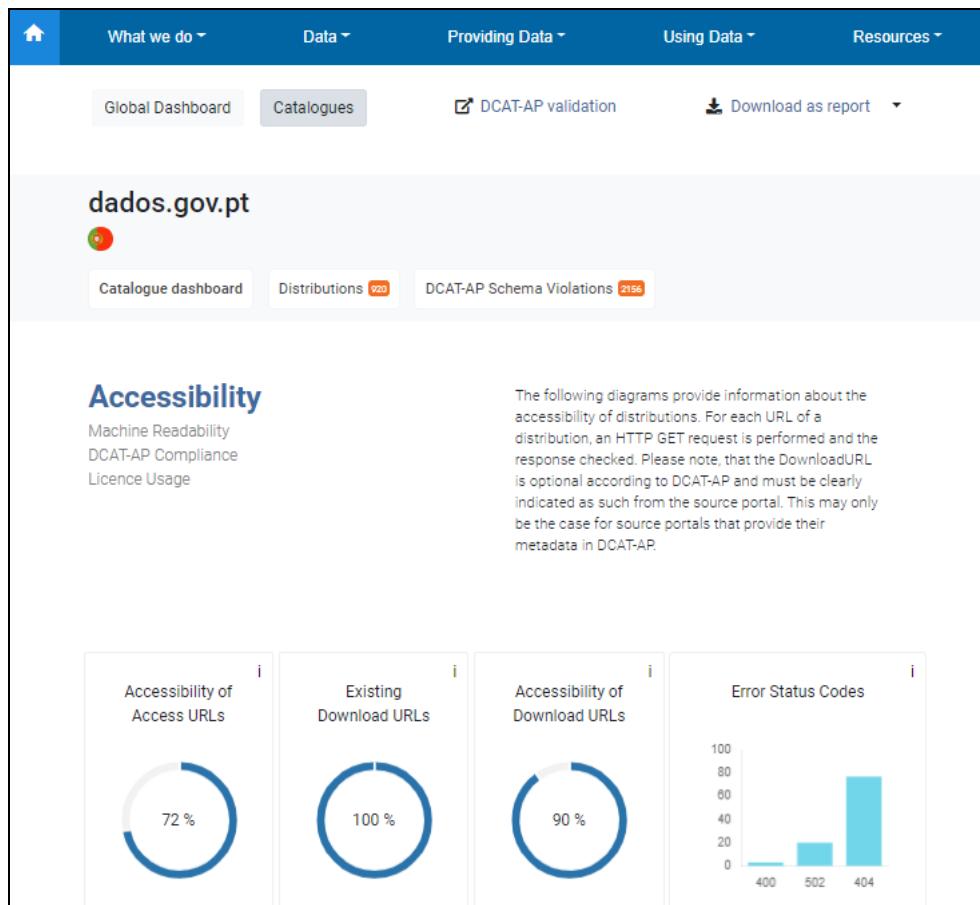
This is the landing page of the M QA. It gives an overview of the quality situation across all catalogues, datasets and distributions in the Portal. If the user wants to investigate the mentioned issues with datasets or distributions in detail, he/she can use the catalogue selection menu on top of the page to navigate to the selected catalogue details page.

An information icon in the upper right corner is indicating that the user can get explanation texts for all diagrams on the page. The introduction text shows the planned schedule for the next check to be performed by the M QA. The bottom of the page shows the date when the last check started. If the M QA is currently running a check, then a spinning wheel beside the last check date is indicating this.



### 3.6.2 The Catalogue details view

This page presents a detailed view of the issues per catalogue. The “Download as report” drop-down menu provides a list of all available catalogues. As a next step, the user can choose whether to see the catalogue dashboard, the distribution availability or dataset schema violations. The catalogue dashboard is the default view when visiting this page.



### 3.6.2.1 Catalogue Dashboard

The catalogue dashboard provides the same information as the overall dashboard, but only for the selected catalogue.

### 3.6.2.2 Distributions

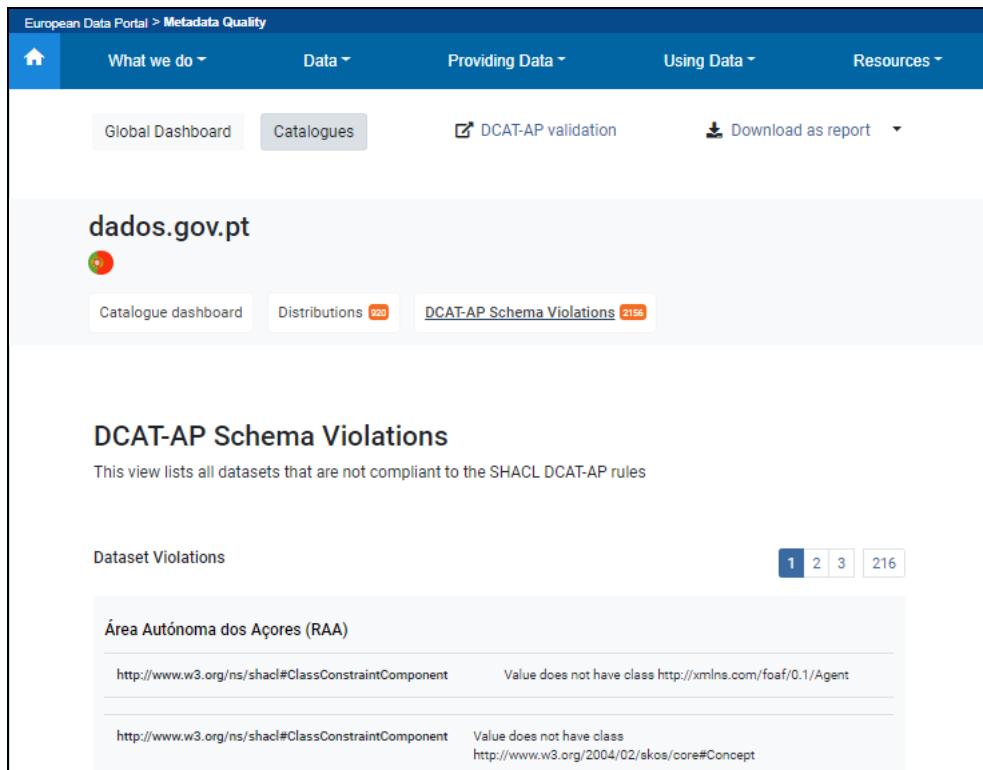
This view provides a detailed report of the distributions' status of the selected catalogue. The user can see the URLs of the distributions that were checked (access and download URL), the corresponding HTTP response codes and the dates when this issue occurred the first time. Additionally, the distributions' format is checked for its machine readability. The machine readability check is based on the results of the Open Data Monitor project<sup>1</sup>.

The screenshot shows the 'Catalogues' section of the European Data Portal. At the top, there are navigation links: 'What we do', 'Data', 'Providing Data', 'Using Data', and 'Resources'. Below these are buttons for 'Global Dashboard' (selected), 'Catalogues' (highlighted in grey), 'DCAT-AP validation' (with a checkbox), and 'Download as report'. A 'Catalogue dashboard' link is at the bottom left, followed by 'Distributions' (20) and 'DCAT-AP Schema Violations' (216). The main content area is titled 'dados.gov.pt' with a small green circular icon. It lists 'Datasets with non accessible distributions' (1, 2, 3, 92 pages). The first dataset shown is 'Área Autónoma dos Açores (RAA)'. It has two entries: 'Access URL' (<https://dados.gov.pt/pt/datasets/r/07fa1f44-d9b0-4182-8236-c1c6ed8cd12f>) with Status: 1100 and Format: wms; and 'Download URL' ([http://wssig1.azores.gov.pt/arcgis/services/Geodesia/ApoioFotogrametricoGRA/MapServer/WMS?](http://wssig1.azores.gov.pt/arcgis/services/Geodesia/ApoioFotogrametricoGRA/MapServer/WMS?request=GetCapabilities&service=WMS) request=GetCapabilities&service=WMS) with Status: 200.

<sup>1</sup> [https://github.com/opendatamonitor/odm.restapi/blob/master/odmapi/def\\_formatLists.py#L44-L87](https://github.com/opendatamonitor/odm.restapi/blob/master/odmapi/def_formatLists.py#L44-L87)

### 3.6.2.3 Violations

The MQA checks for each dataset if it is DCAT-AP compliant. The validation is done on the metadata that is stored in the Virtuoso repository. Therefore, a JSON schema was created and is used for validation. The user can see the location where the violation occurs and its reason for each not compliant dataset of the selected catalogue.



The screenshot shows the European Data Portal's Metadata Quality section. The top navigation bar includes links for 'What we do', 'Data', 'Providing Data', 'Using Data', and 'Resources'. Below the navigation, there are buttons for 'Global Dashboard', 'Catalogues' (which is selected), 'DCAT-AP validation' (with a checked checkbox), and 'Download as report'. A red circular badge indicates 2196 violations. The main content area displays the 'dados.gov.pt' catalogue dashboard, showing 'Catalogue dashboard', 'Distributions 920', and a link to 'DCAT-AP Schema Violations 2196'. The 'DCAT-AP Schema Violations' section has a heading 'Dataset Violations' with a page navigation of 1, 2, 3, 216. It lists two violations under 'Área Autónoma dos Açores (RAA)'. The first violation is for 'http://www.w3.org/ns/shacl#ClassConstraintComponent' with the message 'Value does not have class http://xmlns.com/foaf/0.1/Agent'. The second violation is for 'http://www.w3.org/ns/shacl#ClassConstraintComponent' with the message 'Value does not have class http://www.w3.org/2004/02/skos/core#Concept'.

## 3.7 SPARQL Manager

The SPARQL Manager provides a graphical user interface (GUI) for sending user defined queries to the Virtuoso SPARQL query engine.

The powerful SPARQL Protocol and RDF Query Language are primarily aimed at professionals for querying metadata as Linked Data. A basic knowledge of the DCAT-AP specification is highly recommended.

In the future, users of the SPARQL Manager will be able to save their queries for scheduled execution. Additionally a notification will be send to the user when a result has changed.

Clicking the info icon in the upper right corner will display a step-by-step walkthrough of all components with a short info about their function.

This is possible in both of modes of the SPARQL Manager, the search and the assistant mode, which will be described in the following sections.

### 3.7.1 SPARQL Search

In this mode you can load some predefined example queries from the right side into the editable text area to introduce yourself with the very basic SPARQL syntax. Limiting the number of returned results is possible by selecting a value from the Limit-dropdown or by editing the query directly. Furthermore the format for the result can be selected. After clicking the Search-Button the result is displayed in Result data preview area below. The preview may be truncated depending on the size of the result. The complete result could always be downloaded as a file by clicking the Download-link on the right side.

### 3.7.2 SPARQL Assistant

The screenshot shows the European Data Portal's SPARQL assistant interface. At the top, there's a navigation bar with links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and Login, along with language selection (English (en)). Below the navigation is a search bar labeled "Search site content..." with a magnifying glass icon. The main content area has a blue header "SPARQL assistant". It features three input fields: "Search for keyword in field", "Category / theme", and "Distribution format". There's also a checkbox for "Only count number of results". A large text area displays a SPARQL query:

```
1 SELECT (count(*) AS ?count) WHERE { ?s a dcat:Dataset } } LIMIT 100
```

Below the query is a table with two columns. The first column contains the number "1" and the second column contains the result of the query. At the bottom, there are dropdown menus for "Format" (set to "RDF/XML") and "Limit" (set to "100"), and a blue button labeled "Execute the SPARQL query".

The SPARQL assistant extends the functionality of the simple SPARQL search described in the previous section. More complex queries for datasets could be built by clicking several options in the GUI.

#### 1. Category/Theme

Select one or more Categories/Themes defined in the DCAT-AP standard to filter the results. Datasets will only be listed in the result if they belong to all selected categories/themes.

#### 2. Distribution format

Datasets can contain distributions in different formats. You can select one or more formats to exclude datasets from the result which distributions do not contain the desired formats. If your format selection by the DCAT-AP standard is too strict you may enter a custom format string at the bottom of the list, which will result in a simple text comparison in the format label field.

#### 3. Search for keyword

Enter a search term which must be found in the dataset. You can limit this to the title or the description. By enabling both options the term has to occur in the title and the description.

#### 4. Count number of results

By clicking the “only count number of results” option, only the number of results that matches the SPARQL query is returned.

### 3.7.3 SPARQL Saving/Modifying a Query

The screenshot shows the European Data Portal's query management interface. On the left, the 'Query details' section contains fields for 'Query name' (Public query), 'SPARQL query' (a SELECT statement), 'Format' (RDF/XML), 'Query comment' (Query comment), 'Enabled' (unchecked), and 'Public' (checked). A 'Back' button is at the bottom. On the right, the 'Query Results' section displays a table of results with columns '#', 'Creation time', and 'Details'. Two entries are shown: #50 (2018-03-01) and #51 (2018-03-02). Below the table, it says 'Next run disabled'. A 'Search' button is at the bottom right.

#	Creation time	
50	2018-03-01	<a href="#">Details</a>
51	2018-03-02	<a href="#">Details</a>

Once a user is logged-in, he/she has the opportunity to save custom queries. A corresponding name and the actual query as well as a result format have to be provided.

The user may as well enter an email address in order to receive a notification email from the system and a comment which describes the query.

Selecting a schedule string lets the query run automatically if the checkbox “Enabled” is selected.

If the user likes to share and lets other users see the query he/she may select the “Public” checkbox.

The same page will be displayed if the user decides to modify one of his/her queries. A list of all results on the right side lets the user decide which result he/she likes to display.

### 3.7.4 SPARQL Queries

The screenshot shows the European Data Portal interface. At the top, there is a navigation bar with links to Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and Login, along with language selection (English (en)). A search bar is also present. Below the navigation bar, the main content area has tabs for Home, What we do, Data, Providing Data, Using Data, and Resources. The current view is under the 'Using Data' tab.

**Private Queries**

Query name	Enabled	Query comment	Query details
Number of all r...	∞		<a href="#">Details</a>

**Public queries list**

Query name	Enabled	Query comment	Query details
Number of all r...	∞		<a href="#">Details</a>
All datasets	∞		<a href="#">Details</a>

**Create query**

The third tab displays all queries set to “public”. Upon creating or modifying a query the user may set the attribute “public”, which will make the query accessible to everyone.

Once the user is logged-in, another list with all private queries including the owned public queries will be displayed. Besides “Query name” and “Query comment”, the attribute “Enabled” visualizes if the query is currently running on a recurring time interval.

All attributes may be changed upon selecting “Details” if the logged-in user is the owner of selected query.