

JIDE 2017

VIII Jornadas Ibéricas de Infraestructuras de Datos Espaciais

Lisboa | 15 - 17 novembro 2017



INSTITUTO
GEOGRÁFICO
NACIONAL



GOBIERNO
DE ESPAÑA

MINISTERIO
DE FOMENTO



JIDE 2017

The European Data Portal Harvesting and Gazetteer Services

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con•terra

Introduction

- Francisco Girón Gesteira
 - FME Certified Professional
 - FME Certified Trainer
- con terra
 - Münster, Germany
 - > 130 employees
 - Safe Software Platinum Partner
 - European Service Center for FME



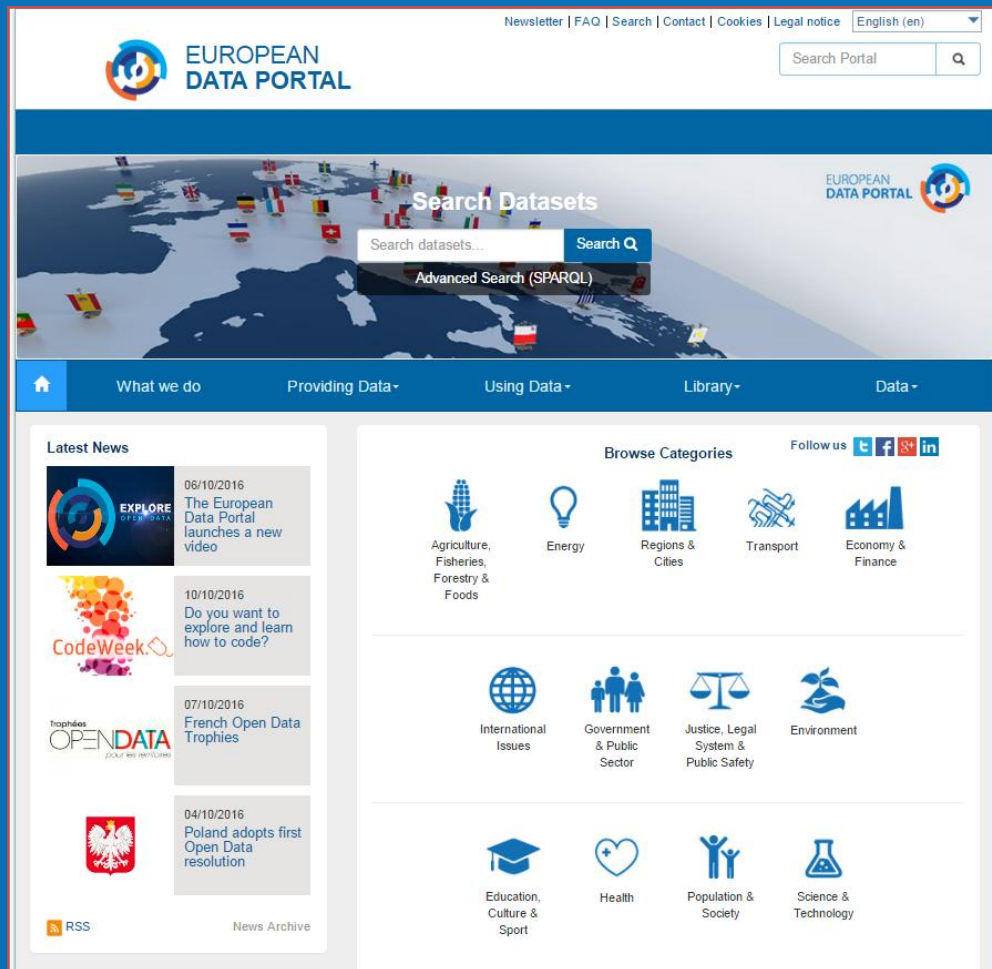
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European Data Portal

- www.europeandataportal.eu
- Main task: to harvest open data from public administrations across Europe and make it available in a single point of access

The European Data Portal offers data organized into 13 different categories, as well as news and much more...



The screenshot displays the European Data Portal's homepage. At the top, there is a navigation bar with links for Newsletter, FAQ, Search, Contact, Cookies, Legal notice, and a language selector set to English (en). The main header features the European Data Portal logo and a search bar labeled 'Search Portal'. Below this is a large banner with a map of Europe and the text 'Search Datasets'. A search input field with the placeholder 'Search datasets...' and a 'Search Q' button is present, along with a link to 'Advanced Search (SPARQL)'. A horizontal menu below the banner includes links for 'What we do', 'Providing Data', 'Using Data', 'Library', and 'Data'. The main content area is divided into two columns. The left column, titled 'Latest News', contains four news items: '06/10/2016 The European Data Portal launches a new video' (with an 'EXPLORE' icon), '10/10/2016 Do you want to explore and learn how to code?' (with a 'CodeWeek' icon), '07/10/2016 French Open Data Trophies' (with an 'OPEN DATA' icon), and '04/10/2016 Poland adopts first Open Data resolution' (with a Polish eagle icon). Below the news items are links for 'RSS' and 'News Archive'. The right column, titled 'Browse Categories', features a grid of 13 category icons: Agriculture, Fisheries, Forestry & Foods; Energy; Regions & Cities; Transport; Economy & Finance; International Issues; Government & Public Sector; Justice, Legal System & Public Safety; Environment; Education, Culture & Sport; Health; Population & Society; and Science & Technology. A 'Follow us' section with social media icons (Twitter, Facebook, YouTube, LinkedIn) is also present.

A Calendar of Open Data events across Europe

Open Data Events in Europe

Sunday 9 October

World Energy Congress

Istanbul, Turkey

Monday 10 October

World Energy Congress

Istanbul, Turkey

Open innovation

Vienna, Austria

European week of Regions and Cities

Brussels, Belgium

Tuesday 11 October

World Energy Congress

Istanbul, Turkey

[View calendar](#)

Open Data Events in Europe

Follow us [t](#) [f](#) [s](#) [in](#)

Many events related directly or indirectly to Open Data take place across Europe and globally. Go through the calendar and see whether you would like to participate in any of these events yourself.



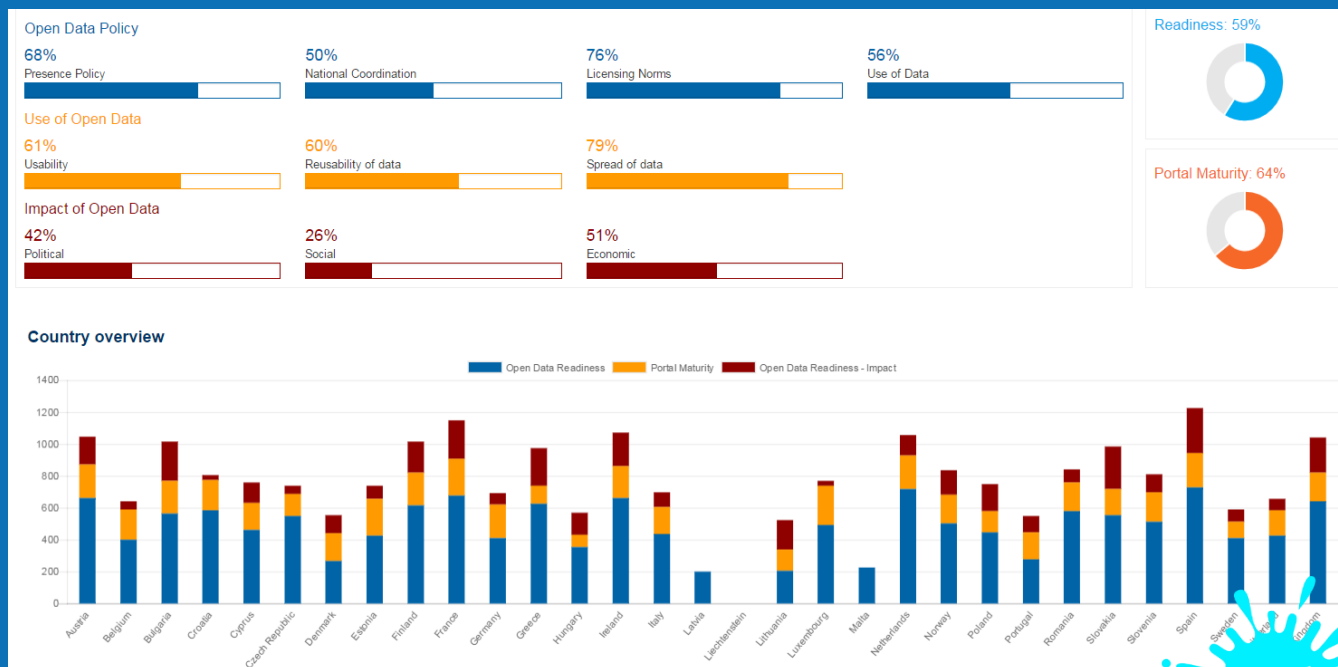
October 2016

Today

Mon	Tue	Wed	Thu	Fri	Sat	Sun
26	27	28	29	30	1 Mêlée Numérique Toulouse, France	2
3 Open Data Hackathon for Environment and Pilsen, Czech Republic	4 South Summit Madrid, Spain	5 International Conference on Information Sys Pilsen, Czech Republic Open Data Research Symposium Madrid, Spain	6 Nordic Business Forum 2016 Helsinki, Finland 4th International Open Data Conference Madrid, Spain Smartappointest Nico, France	7 Hackathon Ravenna Ravenna, Italy L'Opération Libre Montreuil en Toulain, France Open Data Science Conference London, UK World Energy Congr Istanbul, Turkey How Data Can Help in the Fight Against Sexual Assault ITAIS – the 13th Conference of the Italian CI Vienna, Italy	8	9
10 World Energy Congress Istanbul, Turkey European week of Regions and Cities Brussels, Belgium Open innovation Vienna, Austria	11 Human capital for territorial growth Brussels, Belgium New Urban Mobility Services: Europe's Cities and Regions as engines for growth TBC	12 Extracting Actionable Intelligence From Data Barcelona, Spain	13 E-Government 2017: Improving Inter-Institut Berlin, Germany Nordic Data Summit Stockholm, Sweden Annual Data Summit: Harnessing the power of the digital revolution Brussels, Belgium	14 Hack4Heritage Stockholm, Sweden	15 European Code Week	16



A full dashboard, detailed country factsheets of what European countries are doing in Open Data



Access to data

[Newsletter](#) | [FAQ](#) | [Search](#) | [Contact](#) | [Cookies](#) | [Legal notice](#) | [Login](#) | [English \(en\)](#) ▼

 **EUROPEAN
DATA PORTAL**

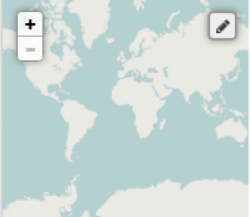
Search Portal

European Data Portal > Data

[Home](#) | [What we do](#) | [Providing Data -](#) | [Using Data -](#) | [Library -](#) | [Data -](#)

[Home](#) / **Datasets**

Filter by location [Clear](#)



Map © OpenStreetMap contributors
Disclaimer

Catalogues

[GDI-DE \(187836\)](#)

[Geoportal Czech Off... \(170819\)](#)

Atom Feed

640,350 datasets found Order by: [Last Modified](#) ▼

Zone plan/waldfeststellung
Rpqg model; Additional notes:
 [Swiss Metadata Catalogue](#) | October 10, 2016

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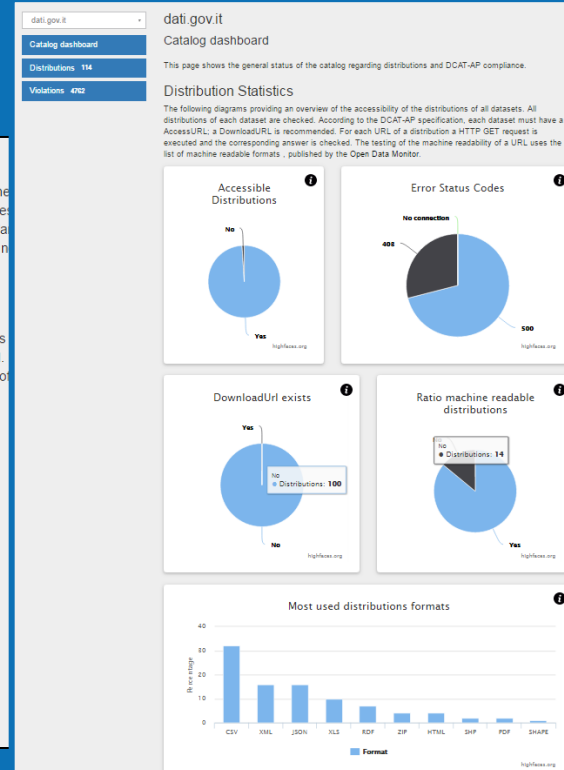
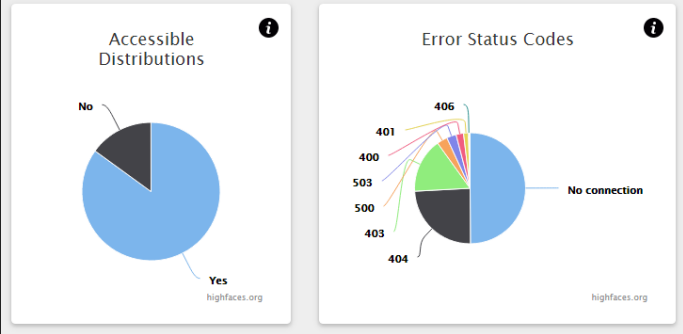
Metadata quality assessment

Metadata Quality Dashboard

The current quality analysis is based on 3 criteria: the accessibility of distributions, their machine readability and the specification. For each catalogue all datasets and their corresponding distributions are checked. This page provides catalogues. For a more detailed view by catalogue, please select the detailed view from the menu. Additional explanation on the "i" icon on the upper right corner of the diagrams. The metadata quality is checked on a weekly basis. The next check is on 6/5/2016.

Distribution Statistics

The following diagrams providing an overview of the accessibility of the distributions of all datasets. All distributions according to the DCAT-AP specification, each dataset must have a AccessURL; a DownloadURL is recommended. HTTP GET request is executed and the corresponding answer is checked. The testing of the machine readability of a URL uses the list of machine readable formats, published by the Open Data Monitor.



Support data users

Using Data

Follow us    

Benefits of Using Data

Using Open Data creates economic value by developing new products and services.

Learn more about the value of Data in terms of market size, jobs created, public sector cost and efficiency gains. Discover additional benefits of Open Data.

Checklist

A few key steps you need to go through to get started.

Tell us your story

We would like to know how you are using Open Data.

Use Cases

Follow us    

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

Apply



Czech Republic – LuckyMe

Reports the safety situation in a given location at a given time

22/09/2016



Denmark - HusetsWeb

Intelligent and dynamic calculations of energy saving measures that can help individual homeowners save energy and money

22/09/2016

European Data
Portal Reports

Other Reports

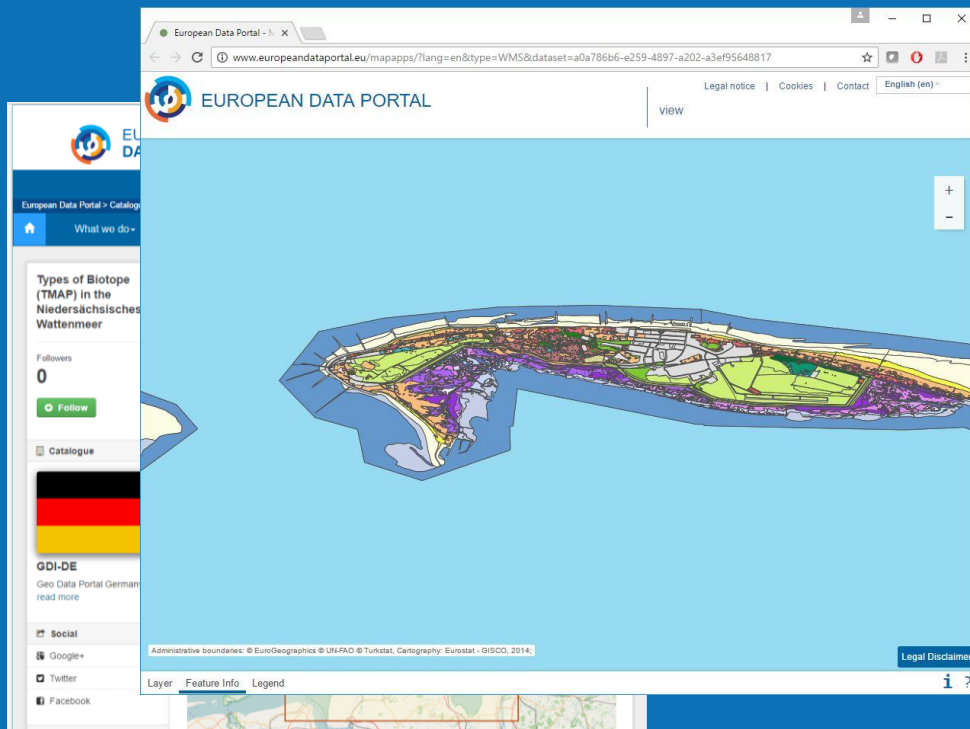
Additional
Training Materials

Open Data in Europe

Events Calendar

Maps Preview: Visualization of Data

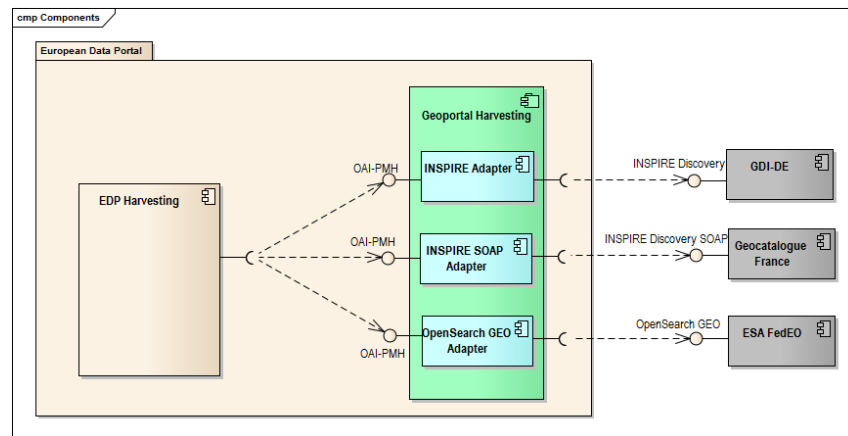
- Basemaps by Eurostat
- Displaying Dynamic Content (WMS & GeoJSON)
- Displayed with map.apps



The diagram illustrates the Open Access Gateway (OAG) architecture. At the top, external entities like 'Third party portals / Experts' and 'Users / Experts' interact with the system via an 'API' and a 'GUI' (with a globe icon). A central 'Proxy' component acts as a hub, connecting to various services and data stores. The services include 'MQA', 'Helpdesk (JIRA)', 'map.apps backend', 'FME', 'Drupal', 'SOLR', 'CKAN', 'Gazetteer', 'Harvester (Transformer)', and 'Licensing Assistant'. These services are further connected to a 'Usage' component (access, search, etc. statistics - PIWIK and caching), 'Graphical Visualisation tools', and 'Graphical Pre-processor'. At the bottom, data is stored in 'SPARQL Manager' and 'Virtuoso' (with DCAT-AP). Arrows indicate the flow of data and interactions between these components.

Challenge: How to find all the data?

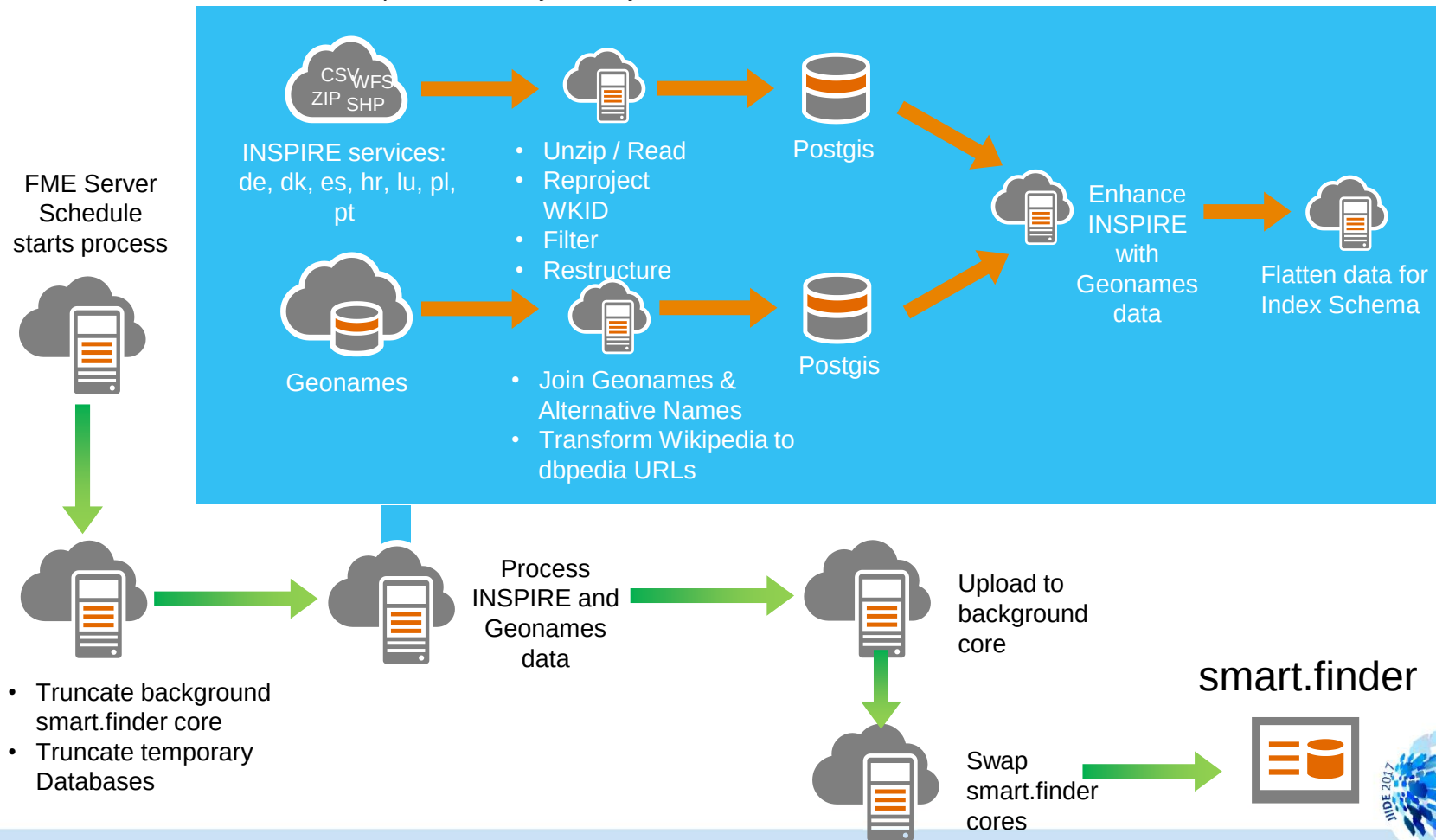
- Harvest existing Geocatalogues (INSPIRE)
- Map ISO/INSPIRE Metadata to (Geo)DCAT-AP
- Adapter Architecture
- RESTful API



Gazetteer: Spatial Search

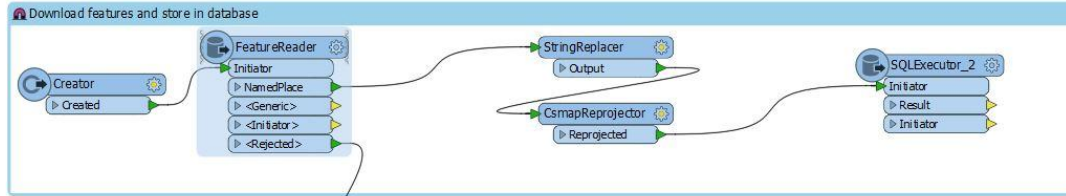
1. Based on: Geographical Names (INSPIRE Annex I)
2. Added: Geonames.org Data for Exonyms
3. Added: Member States Bulk Data (e.g. shp)
4. Using: Continuous Automated Update Processes with FME and smart.finder

Individual Workspaces for every country

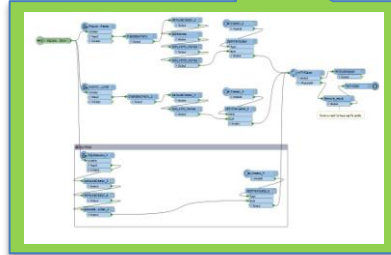
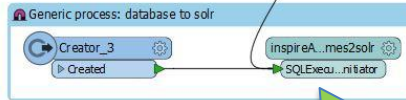


Individual Workspaces

Example: Reading INSPIRE WFS Admin Units



Combine with data from geonames and load into solr



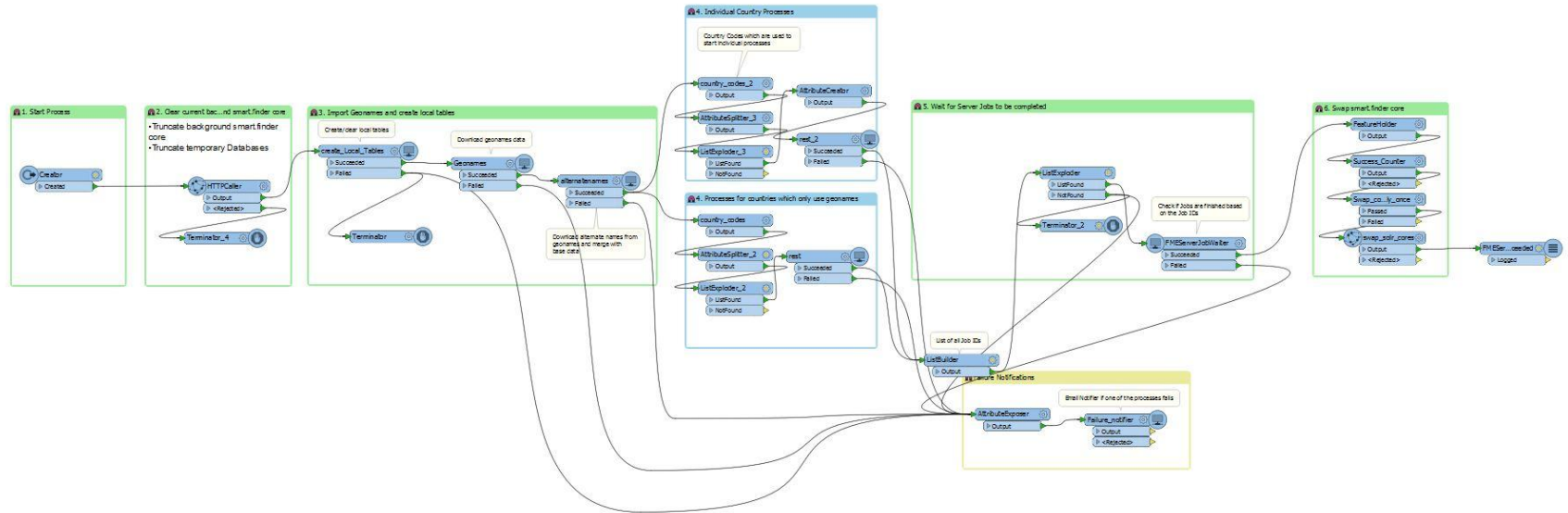
The screenshot shows the "Translation Parameters" dialog box. It contains the following fields:

- db:
- country_code:
- Source WFS (Web Feature Service) URL:
- solr Url:
- DB Host:
- DB Port:
- DB Database:
- DB Username:
- DB Password:
- solr user:
- solr password:

At the bottom right, there are "OK" and "Cancel" buttons.

Main Control Workspace

Fires 5 Workspaces via FMEServerJobSubmitter



Enables Spatial Search (e.g. cities and states) and Spatial Filtering (extents)

This screenshot shows the European Data Portal interface. At the top, there is a search bar and navigation links. The main header includes the European Data Portal logo and a search input field. Below the header, a navigation bar contains links for 'What we do', 'Providing Data', 'Using Data', and 'Training'. The 'Datasets' section is active, showing a 'Filter by location' sidebar with a map and a search input. The search results display '152 datasets found for "continental shelf"' and a list of results, including 'UK Continental Shelf 2013'.

Search | Contact | Cookies | Legal notice | English (en)

EUROPEAN DATA PORTAL

European Data Portal > Data

What we do | Providing Data | Using Data | Training

Home / Datasets

Filter by location | Clear

Search Location...

Atom Feed

continental shelf

Multi-Language Search

152 datasets found for "continental shelf" Order by: Rel

UK Continental Shelf 2013

This screenshot shows the European Data Portal interface with a spatial filter applied. The search results display '35 datasets found for "continental shelf"'. The map in the sidebar shows a red bounding box around the Hamburg area, indicating the spatial filter. The search results list includes 'Continental Shelf for Norway'.

EUROPEAN DATA PORTAL

European Data Portal > Data

What we do | Providing Data | Using Data

Home / Datasets

Filter by location | Clear

Hamburg, Free and Hanseatic

Atom Feed

continental shelf

Multi-Language Search

35 datasets found for "continental shelf"

Continental Shelf for Norway

Open data for open data

- All FME workspaces and smart.finder code are published
- <https://gitlab.com/european-data-portal/Gazetteer>



JUDE 2017

muito obrigado
muchas gracias

con•terra