VIII Jornadas Ibéricas de Infraestruturas de Dados Espaciais
Lisboa | 15 - 17 novembro 2017
The European Data Portal
Harvesting and Gazetteer Services

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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
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…
A Calendar of Open Data events across Europe

Open Data Events in Europe

Sunday 9 October
World Energy Congress
St. Petersburg, Russia

Monday 10 October
World Energy Congress
St. Petersburg, Russia

Open innovation
Vienna, Austria

European week of Regions and Cities
Brussels, Belgium

Tuesday 11 October
World Energy Congress
St. Petersburg, Russia

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.
A full dashboard, detailed country factsheets of what European countries are doing in Open Data
Access to data
Metadata quality assessment

Metadata Quality Dashboard
The current quality analysis is based on 3 criteria: the accessibility of distributions, their machine readability and the DCAT-AP specification. For each catalogue all datasets and their corresponding distributions are checked. This page provides a view by catalogue. For a more detailed view, please select the detailed view from the menu. Additional explanations can be found on the "?" icon on the upper right corner of the diagrams. The metadata quality is checked on a weekly basis. The last check was on 6/5/2016.

Distribution Statistics
The following diagrams provide an overview of the accessibility of the distributions of all datasets. All distributions were collected from the official catalogue. According to the DCAT-AP specification, each dataset must have a AccessURL. A DownloadURL is recommended. For each URL of a distribution a 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

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 costs, and efficiency gains. Discover additional benefits of Open Data.

Checklist

A few key steps you need to go through:

Tell us your story

We would like to know how you use Open Data.

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

Apply

European Data
Portal Reports

Other Reports

Additional
Training Materials

Open Data in Europe

Events Calendar

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
Maps Preview: Visualization of Data

- Basemaps by Eurostat
- Displaying Dynamic Content (WMS & GeoJSON)
- Displayed with map.apps
Architecture Overview
Challenge: How to find all the data?

- Harvest existing Geo-catalogues (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

- Unzip / Read
- Reproject WKID
- Filter
- Restructure

- Join Geonames & Alternative Names
- Transform Wikipedia to dbpedia URLs

- Enhance INSPIRE with Geonames data

- Flatten data for Index Schema

FME Server Schedule starts process

- Truncate background smart.finder core
- Truncate temporary Databases

Process INSPIRE and Geonames data

Upload to background core

Swap smart.finder cores

smart.finder
Individual Workspaces

Example: Reading INSPIRE WFS Admin Units
Main Control Workspace

Fires 5 Workspaces via FMEServerJobSubmitter
Enables Spatial Search (e.g. cities and states) and Spatial Filtering (extents)
Open data for open data

• All FME workspaces and smart.finder code are published
• https://gitlab.com/european-data-portal/Gazetteer
muito obrigado
muchas gracias