

Practicing FAIRness for geospatial and cross-border data -  
Lessons learnt and experiences from the GO-PEG project

# Trends and challenges in sharing geospatial data on data.europa.eu

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**data.europa.eu** The official portal  
for European data



# data.europa.eu

- The official portal for European data
- Single point of access to open data in Europe
- Strategic objective is to
  - improve accessibility of open data
  - provide a central point of knowledge on open data

The screenshot shows the homepage of data.europa.eu. At the top, it features the European Commission logo and navigation links for 'Log in' and 'English'. Below this is a blue header with the text 'data.europa.eu - The official portal for European data' and a navigation menu including 'Home', 'Datasets', 'Documentation', 'Publications', 'data.europa academy', 'News & events', and 'Contact us'. A large banner for 'data.europa.eu academy' is prominent, with a 'Find out more' button. Below the banner is a search bar with a 'Search' input field and a 'Datasets' dropdown menu. The main content area displays a grid of statistics:

<b>1 614 989</b> Datasets European public sector datasets	<b>176</b> Catalogues Datasets grouped by catalogue	<b>36</b> Countries Explore datasets by country
<b>1 355</b> News pieces News related to open data	<b>189</b> Data stories Inspiring stories about open data	<b>11</b> Courses Learning material on open data

# data.europa.eu

- Includes metadata from 176 catalogues
- from 36 countries
- Descriptions of more than 1.5 Mio. datasets

*Challenge:*

*How to make this number of datasets searchable/browsable?*

An official website of the European Union | How do you know? ▾

European Commission | Log in | English

data.europa.eu - The official portal for European data

Home | Datasets ▾ | Documentation ⓘ | Publications ▾ | data.europa academy | News & events ▾ | Contact us

## Open Data Maturity in Europe

Find out more >

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Search | Datasets ▾ | 🔍

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# Harvesting

- Metadata is harvested from
  - Open Data Catalogues
  - Geocatalogues
- Catalogue providers
  - EU Institutions
  - European Countries
    - National, regional, thematic
  - International institutions

## Catalogues

### Filter by

#### Provenance

EU institutions

Clear filters


Search  Catalogues

Catalogues found (98)


Sort by: Relevance

Countries: EU institutions x


**EUMETSAT Product Navigator**

 Meteo Data Portal Europe

**OpenDataScienceEurope**

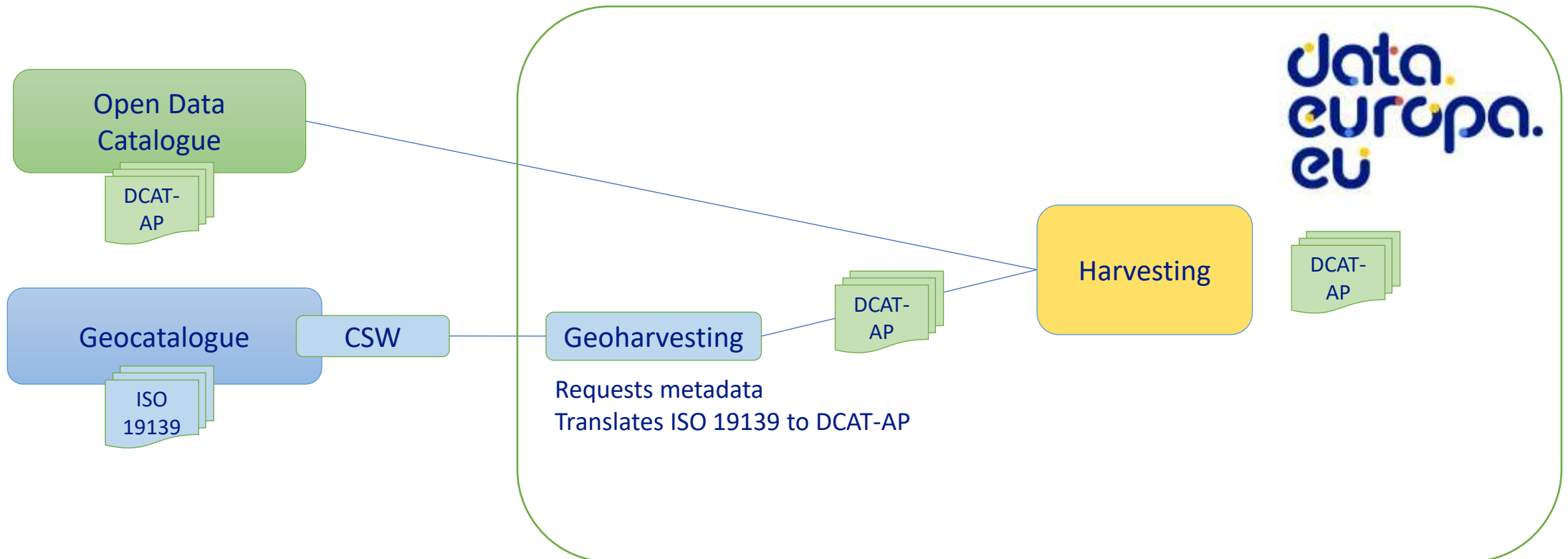
 OpenDataScienceEurope Metadata catalogue

**OpenAIRE**

 Science. Set Free.

# Harvesting

*Challenge:  
Metadata from many different sources*



# Harvesting: Challenges

- Large number of catalogues with different languages, different update cycles ...
- Metadata comes from many different sources – both open data and geocatalogues
- Geo-metadata (ISO 19139) is different from Open Data (DCAT-AP)
  - Geo-metadata has more information
  - Geo-metadata can describe datasets or *services*
  - Concept of „services“ does not exist in DCAT-AP

# Trends in geospatial data

- Annual exercise: Discuss current trends in the geospatial community
  - *What opportunities for data.europa.eu might arise from these trends?*
  - *How can data.europa.eu benefit from and support new ways of sharing geospatial data?*
- Report

Geospatial trends report 2022:  
<https://data.europa.eu/en/news-events/news/geospatial-trends-2022-overview-emerging-trends-geospatial-community>





# Thank you!

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