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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Antje Kügeler (con terra)

con-terra.com

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

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?

Harvesting

- Metadata is harvested from
  - Open Data Catalogues
  - Geocatalogues

- Catalogue providers
  - EU Institutions
  - European Countries
    - National, regional, thematic
  - International institutions

Harvesting

Challenge:
Metadata from many different sources

Open Data Catalogue
DCAT-AP

Geocatalogue
CSW
ISO 19139

Geoharvesting
DCAT-AP

Requests metadata
Translates ISO 19139 to DCAT-AP

Harvesting
DCAT-AP

data.europa.eu
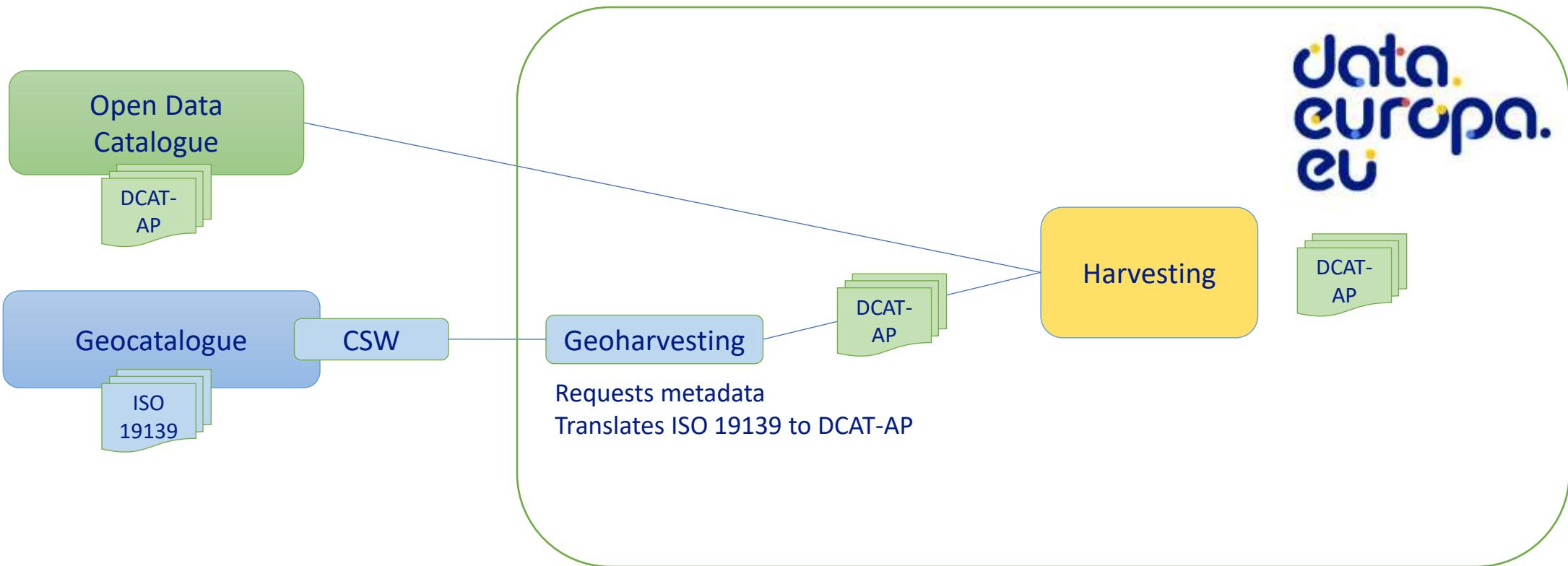
Harvesting: Challenges

- 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

Topics of interest for data.europa.eu

- High Value Datasets (HVD)

- Evolution of INSPIRE

- OGC API

- Smart Cities and real-time data

- Data Spaces

- Artificial intelligence, GeoAI

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

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