



StatDCAT-AP

Representing statistical metadata by using the “DCAT application profile for data portals in Europe”

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Joint UNECE/UN-GGIM Workshop on
Integrating Geospatial and Statistical
Standards

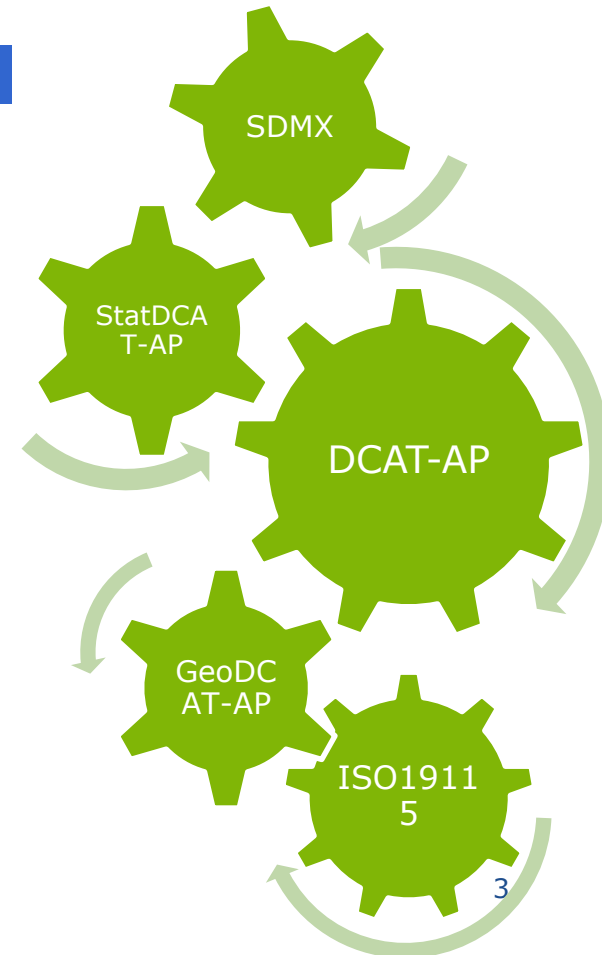
Stockholm, 6 November 2017

The challenge: data silos

- The data landscape consists of many data silos:
 - Statistical data, geospatial data, legal data, research data, archival data, etc.
- Many of these silos build specific portals with metadata:
 - <http://ec.europa.eu/eurostat/data/database> (stats)
 - <http://stats.oecd.org> (stats)
 - <http://inspire-geoportal.ec.europa.eu/> (geo)
 - <https://www.openaire.eu/> (research)
- The metadata describing these datasets are in different standards (SDMX, DDI, ISO 11179, etc.)

DCAT-AP - a cross-domain standard

- DCAT- **Application Profile for data portals in Europe**
- Bringing together metadata from a multitude of domains, using a description standard that is able to capture a core set of characteristics **across domains**
- Can be extended with additional features of domain-specific data: **GeoDCAT-AP, StatDCAT-AP**
- => High-level meta-data **discovery**
- **NB:** Local systems and domain-specific portals continue to use specific standards



How does StatDCAT-AP work

- **StatDCAT-AP**: needs to support search for statistical data sets
- => **Extends** DCAT-AP by adding:
 - **Essential metadata elements from statistical standards (e.g. SDMX)**
 - Recommendations for use of specific controlled vocabularies
- Data producers transform SDMX metadata into StatDCAT metadata
- Data producers publish StatDCAT metadata in Open Data portals

```
stat:attribute  
stat:dimension  
stat:numSeries  
stat:unitMeasure
```

SDMX/StatDCAT



StatDCAT-AP what's the benefit?

- Statistical data providers (e.g. organisations, Member States) can **increase the discoverability** of their statistical datasets by including descriptions of the datasets in Data portals.
- Users can **explore, find, identify** and **select** statistical datasets from different statistical portals in one single Data portal.
- StatDCAT-AP facilitates a **better integration/consistency** of existing statistical data portals with the open data portals.

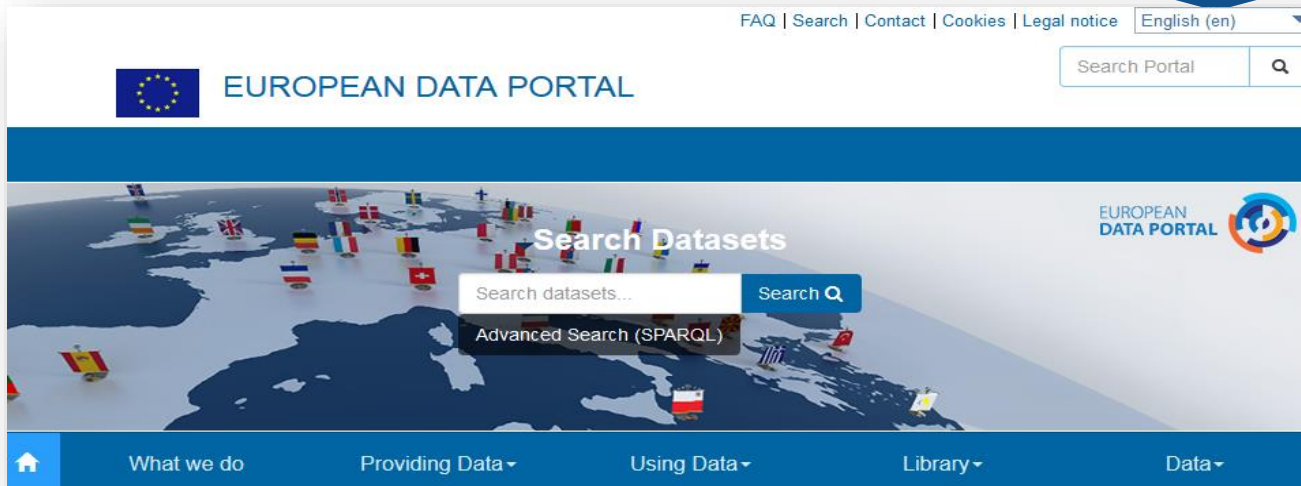


EU Open Data Portal

Datasets of the EU institutions, agencies and other bodies (Parliament, Commission, ESTAT, JRC, Council, EEA..)



Datasets of national public institutions (regions, ministries, etc..)

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EUROPEAN DATA PORTAL

Search Portal

Search Datasets

Search datasets... Search Q

Advanced Search (SPARQL)

What we do | Providing Data | Using Data | Library | Data

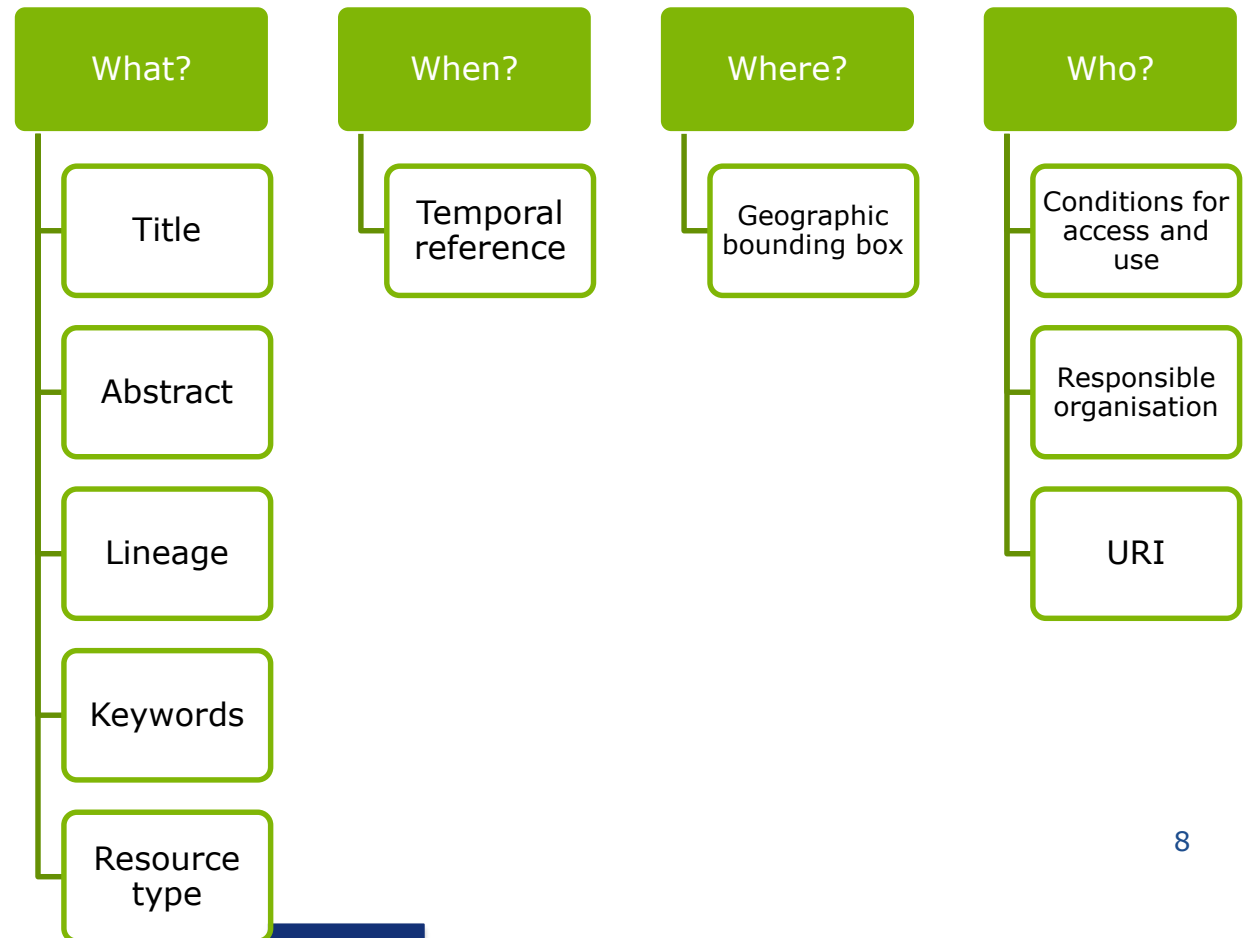
- 71 catalogues (data portals and geo portals)
- 583,727 datasets
- Reuse apps
- Quality checker
- Trainings
- Studies

Benefits of StatDCAT and GeoDCAT in Data Portals

Search for:

- What?
- When?
- Where?
- Who?

on statistical and
geospatial data
combined.



DCAT, GeoDCAT and StatDCAT



Current status: StatDCAT-AP v1.0.0

- StatDCAT Application Profile released in December 2016, as a collaborative work of Eurostat, the Publication Office of the EU, DIGIT and DG CONNECT under the ISA² Programme.
- Version 1.0.0 specification is available on Joinup at <https://joinup.ec.europa.eu/release/statdcat-ap-v100>
- For the moment: piloting, building experiences





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Thank you for your attention!

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