

AI-READY DATA IN THE PUBLICATIONS OFFICE

YOU HAVE THE AI FACTORIES, WE HAVE THE STANDARDS AND THE DATA

20 March 2026

Publications Office of the European Union (OP): Who we are



- The official publisher for all EU institutions, bodies and agencies
- Collects, processes, annotates and curates huge volume of multilingual documents and data
- Makes available important open data via dedicated platforms e.g. data.europa.eu, EUR-Lex, TED, CORDIS
- We are deep in the data and metadata business



EU law

EU law, national law and related information



European data

Data from EU institutions and European countries



EU tenders

Business opportunities in the European Union and beyond



EU research results

Information about the results of EU-funded projects



EU Whoiswho

The directory of the European institutions



EU publications

Publications of the EU institutions in various formats

EU Vocabularies

EU reference data and resources for knowledge management.

EU Web archive

Archive of websites of EU institutions and agencies.

Librarian's corner

Metadata services and European Commission Library resources.

Welcome to the style guide!



▼ About the style guide



AI-ready data

Good data makes good AI

ML, DL, NLP, ...

For model

- Training
- Validation
- Testing

**Where do we use
“good” data in AI?**

LLMs

Maximize LLMs' effectiveness with minimal noise

- Prompting
- Domain specific - RAG
- Evaluation/Benchmarking
- Fine-tuning

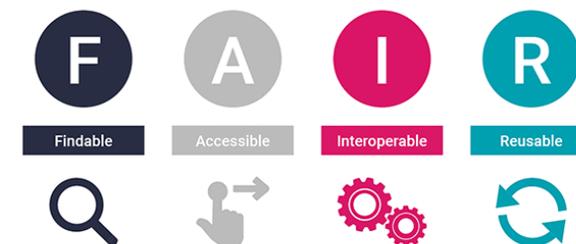
AI-Ready data

What is “good data” for AI?

Good data makes good AI



- Compliance to the AI Act
- FAIR principles
- Data governed transparently
- Consistent/standard format
- Enriched with authoritative metadata
- Known provenance
- Validated for quality
- Human-in-the-loop (annotation, validation)



We have the standards...



...where to find data standards



- *Open standards, metadata and reference data*
- *Need for seamless integration and Interoperable across factories*

The screenshot shows the EU Vocabularies website interface. At the top left is the European Union logo. Below it is the text "EU Vocabularies". A navigation bar contains links for "Publications Office", "EU law", "European data", "EU tenders", "EU research results", "EU Whoiswho", and "EU publications". Below the navigation bar is a search bar with the text "Search in EU Vocabularies" and a search icon. To the left of the search bar is a checkbox for "EuroVoc only". Below the search bar are three buttons: "Query Wizard", "Flint editor", and "SPARQL endpoint". To the right of the search bar is a "WHAT'S NEW" section with a megaphone icon. Below this section are three featured articles: "Reference data catalogue" (with a photo of a library), "Online tools and applications" (with a photo of a keyboard), and "Recent releases and planning" (with a photo of server racks). At the bottom right of the screenshot is a "Reference data video" section with a video player and a "Stop" button.

- 300 semantic assets
 - Reference data
 - Data standards
 - Thesauri
 - Taxonomies
 - Ontologies
- Collaborative editing
 - VocBench multilingual collaborative platform for managing controlled vocabularies
- Common governance with EU Institutions
- Authoritative status



We have the standards...

Authority lists

- Harmonised codes and labels used to support metadata exchange between EU institutions and beyond
- *Corporate bodies, Countries and territories, Currencies, Languages, Places*

Taxonomies

- *Eurostat statistical classifications, European Learning Model taxonomies, EuroSciVoc*

Thesauri

- *EuroVoc, Digital Europa Thesaurus, DE-BIAS Vocabulary*

Ontologies

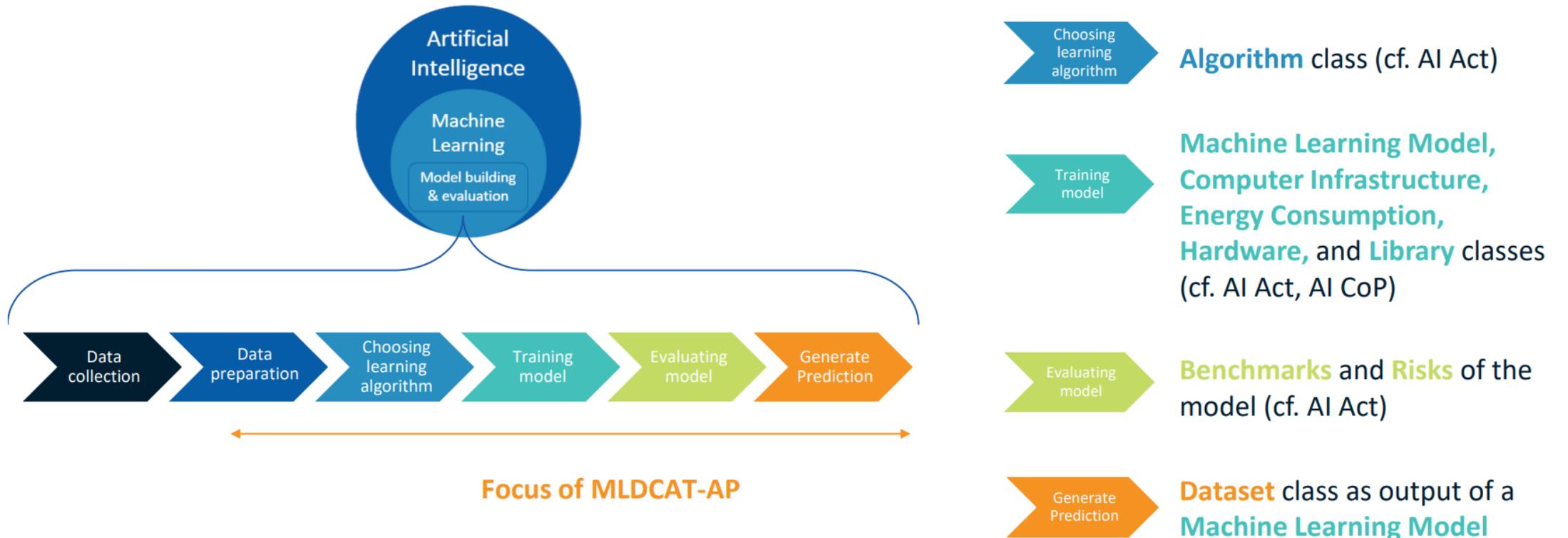
- *ELI ontology, ERA Vocabulary, AKN4EU schema, DE-BIAS ontology, eProcurement ontology*

Application profiles

- *DCAT-AP and its specifications: Mobility DCAT-AP, Health DCAT-AP, MLDCAT-AP*

We have the standards...

Domain of MLDCAT-AP



We have the data...



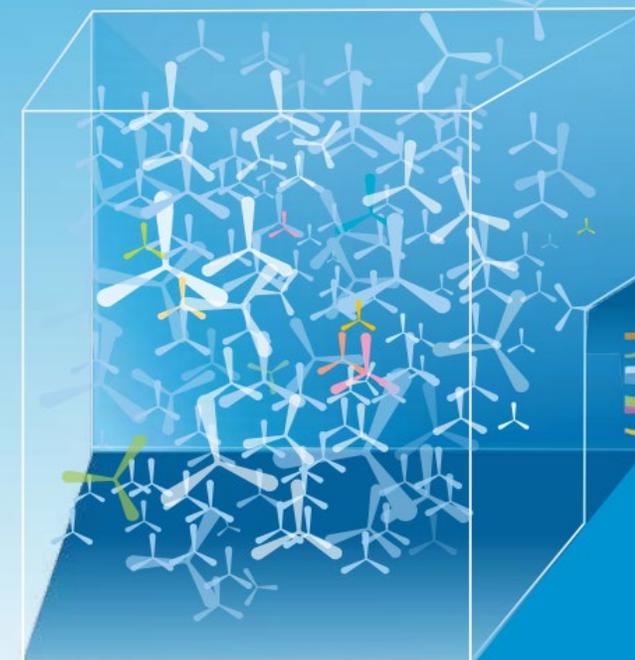
...where to find good data



1. ✓ Standards
2. ✓ Structure
3. ✓ Findability/Discovery
4. ✓ Access
5. ✓ Interoperability
6. ✓ Reusability
7. ✓ Veracity
8. ✓ Quality
9. ✓ Quantity
10. ✓ Multilingualism
11. ✓ Documentation
12. ✓ Community
13. ✓ Monitoring and updates

Cellar

The common data repository of the Publications Office



We have the data...



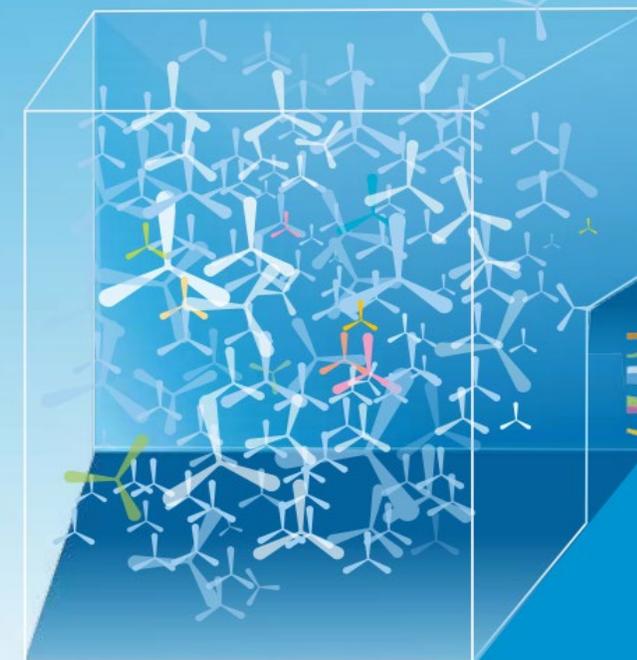
...where to find good data



1. ✓ **Standards** => EU Vocabularies
2. ✓ **Structure** => Documents' annotation
3. ✓ **Findability/Discovery** => Metadata & APIs
4. ✓ **Access** => APIs & Bulk Downloads
5. ✓ **Interoperability** => data standards and Knowledge Graphs
6. ✓ **Reusability** => Clear licensing for reuse
7. ✓ **Veracity** => Authoritative documents and data
8. ✓ **Quality** => Curated, annotation, validation, cleaning, provenance
9. ✓ **Quantity** => over 44M documents
10. ✓ **Multilingualism** => 24 languages
11. ✓ **Documentation** => Machine-Readable
12. ✓ **Community** => Shared governance, feedback & Collaboration
13. ✓ **Monitoring and updates** => Analytics, monitor data quality, update schemas

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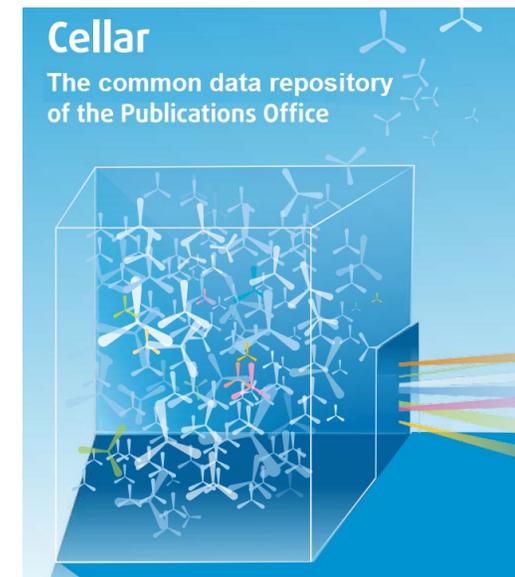
We have the data...



Perceptive inference can have a serious effect on anyone. We know that some of the climbers who died were experienced or at least prepared as they were on commercial expeditions. This shows that nature in the form of weather can still have severe consequences to those who are trying to be prepared.

Focus on differences with perceptive interpretation embedded In Source B the weather is shown to have a much less serious effect on people. For instance enjoying the wondrous scene shows that the weather has actually been appreciated by some people and shown to have positive effects. Furthermore, the effects of the weather are much more trivial and much less harmful than those in Source A. the phrase My beard froze summarises the difference in the effects of the weather. Having a frozen beard won't cause any long term problems and will soon be gone again. Also this is no way life threatening and is more of a minor problem. The phrase as cold as a frog also emphasises how the effects of the weather in Source B are negligible.

Perceptive difference between texts



Content

- What: Education material, reports, studies, legal document, Official Journal, Case Law
- By whom: Data providers are all EU institutions
- How: PDF, HTML, XML, RDF

Annotation

- Human annotation by professional cataloguers
- With structured metadata e.g. controlled vocabularies, thesauri

Cellar

- 44 million of files, 40 TB
- 1B triples, 95M resources stored on knowledge graph
- Size increases every day
- Average 20 million requests/day
- Available via API
- Authoritative data
- Expert-validated annotations can be used for training AI models



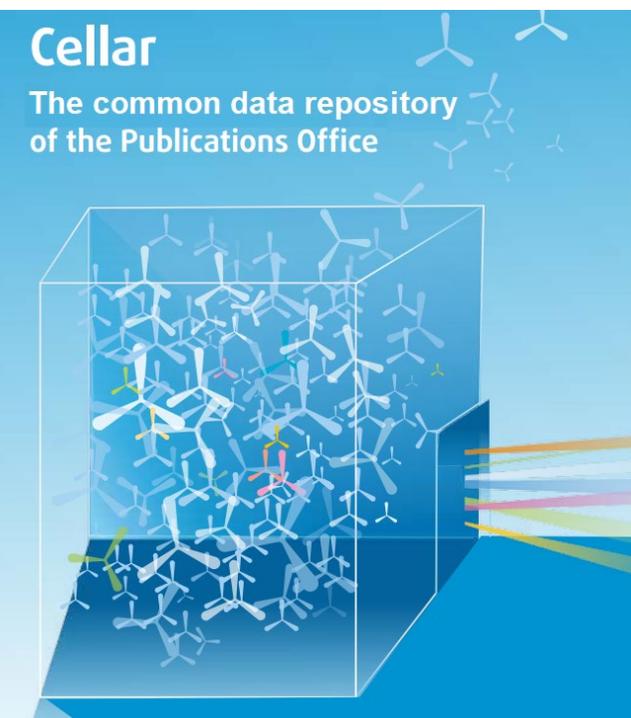
We have the data...

Appetizer

- Training data for document classification, semantic tagging and information retrieval
- Datasets for benchmarking auto-tagging solutions

This page introduces the first set of corpora produced under this initiative:

- A curated evaluation corpus designed to benchmark auto-tagging solutions using real, institutional documents enriched with Digital Europe Thesaurus (DET), corporate body and country tags. Built through a multi-phase methodological process, it offers a balanced sample of 4,341 documents selected from [Cellar](#) to ensure coverage, annotation richness, diversity and analytical depth.
- A training corpus derived from Cellar documents tagged with [EuroVoc](#) concepts, supporting the development of machine learning models for document classification, semantic tagging and entity recognition in institutional environments.



Corpus for evaluation

Corpus for training

Discover Cellar

This website describes what Cellar is, who can use it and how to use it. You can also find information about Cellar's [services](#). [users](#) page presents Cellar's main users, such as EUR-Lex and OP Portal, and presents users' testimonials.

The website provides information on the [architecture](#) of Cellar. You can also learn more on how to retrieve from Cellar [publications](#) and [metadata](#), via [notices](#), via the [SPARQL interface](#) and [RSS + ATOM feeds](#).

Cellar [documentation](#) and Cellar [training](#) information are also provided.

Developers corner

Click here for details on how to connect to [Cellar via API](#).



Coming soon...

interoperable
europe

Webinar
MLDCAT-AP
for AI factories

Thursday, 7 May 2026
10:30h – 12:00h CEST



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