

EU OPEN DATA POLICY AND THE EUROPEAN DATA PORTAL

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Agenda

- What is open data & the European Data Portal?
- EU data policy
- Useful features on the European Data Portal
- Public procurement on the Portal
- Q& (hopefully) A



Open data and the European Data Portal: an introduction

What is open data?

Open data is data that can be freely accessed, used, re-used, and shared by anyone for any purpose, without restrictions from copyright, patents, or other mechanisms of control.



**Availability
and Access**



**Reuse and
Distribution**

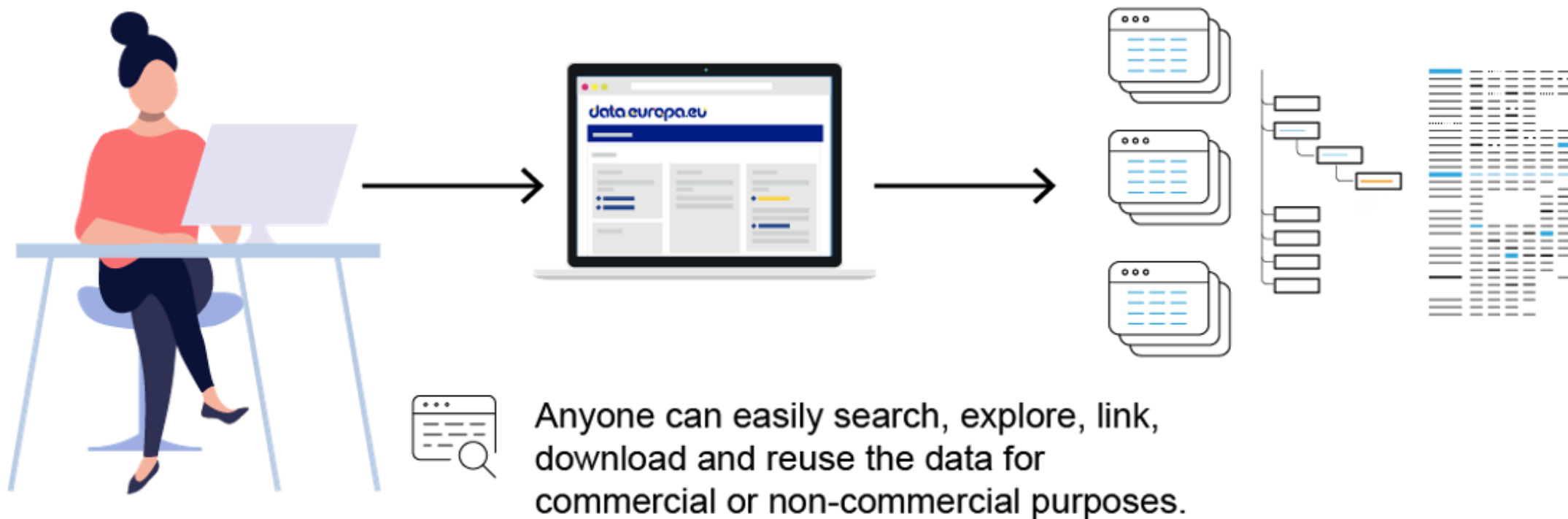


**Universal
Participation**

What is the European Data Portal?



A platform providing a central point of access to **European open data** from international, European Union, national, regional, local and geodata portals.



Timeline & Legal basis

2003 – PSI Directive (2003/98/EC) — first legal basis

First EU legislation on reuse of public sector information.

2011 – Commission Decision on reuse of Commission documents (2011/833/EU)

Sets conditions for reuse of documents held by the Commission.

2013 – Revised PSI Directive (2013/37/EU)

Expands scope; strengthens reuse conditions.

2015 – Launch of the European Data Portal (national data)

2016 – Launch of the EU Open Data Portal (data of EU institutions)

2019 – Open Data Directive (Directive 2019/1024) — current legal backbone

Establishes “open by default”, strengthens requirements on machine-readable formats, APIs and metadata, and introduces High-Value Datasets.



Timeline & Legal basis (cont.)

2020 – Merging the 2 portals: data.europa.eu (→ 2025 “European data portal”)

2022 – Data Governance Act (Regulation (EU) 2022/868)

Creates frameworks for data sharing beyond open data, including data intermediaries and data altruism.

2023 – Data Act (Regulation (EU) 2023/2854)

Strengthens access to and reuse of data, especially from connected devices, and supports interoperability and data spaces.

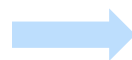
2023 – High-Value Datasets Implementing Regulation (2023/138)

Defines mandatory datasets and technical requirements (APIs, formats, metadata) for their publication.

Timeline & Legal basis — overview

EU open data has evolved from:

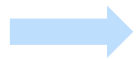
Initial rules on public sector information



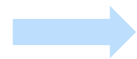
A comprehensive framework for publishing datasets enabling data spaces and cross-border reuse

Increasing depth and scope:

Documents



structured datasets

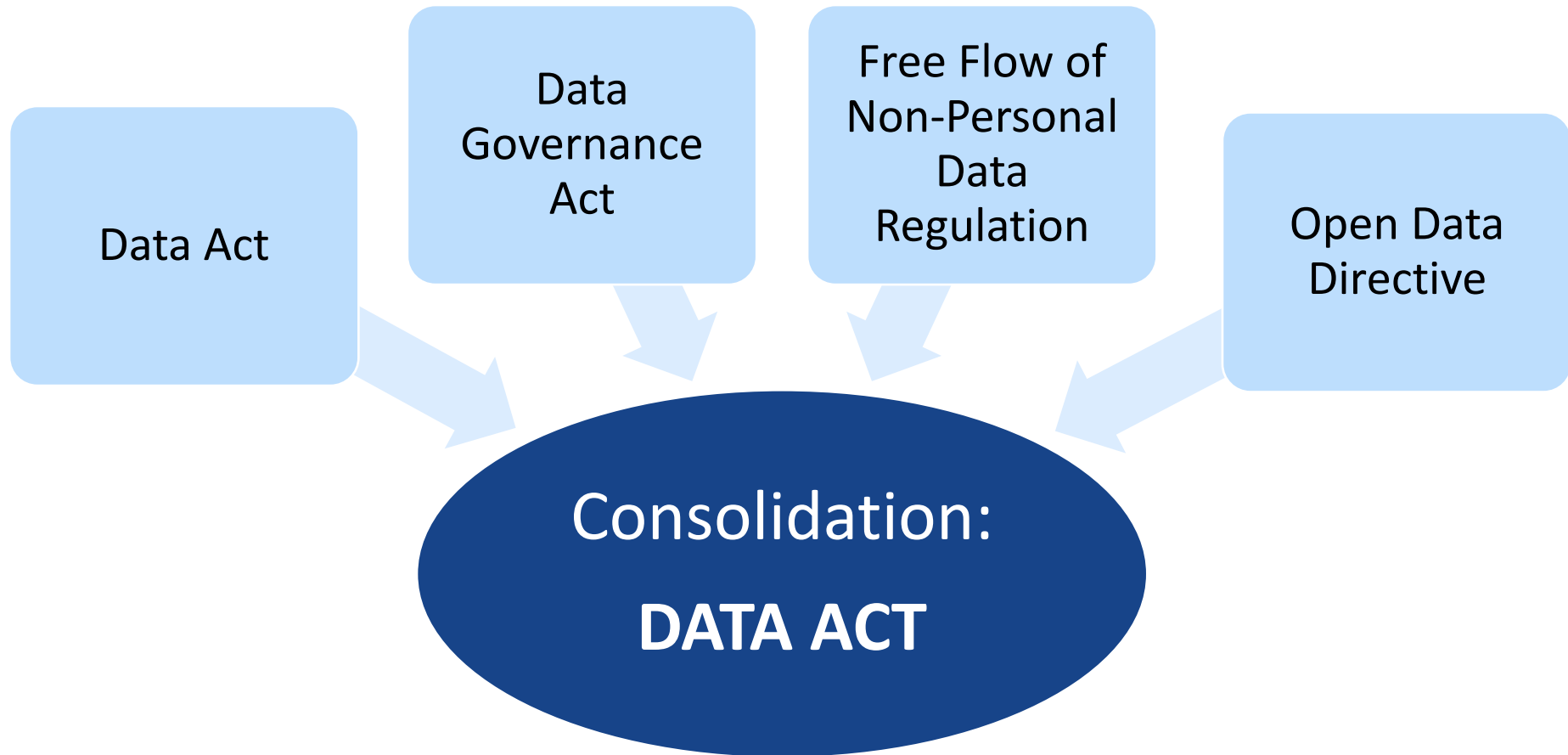


infrastructures enabling interoperability and AI-driven discovery.



EU data policy: current developments

The Digital Omnibus proposal

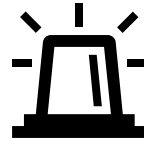


Some amendments to the Data Act



Trade Secret Protection

- Refusal of data sharing if high risk of leakage to third countries with weaker trade secret protection



B2G Data Sharing

- Obligation to share data limited strictly to emergency situations only



Reduced Cloud Burdens

- Exemptions for specific legacy cloud contracts (SMEs, custom-made) and clarified early termination penalties

Data Union Strategy

- 3 immediate problems to be tackled:

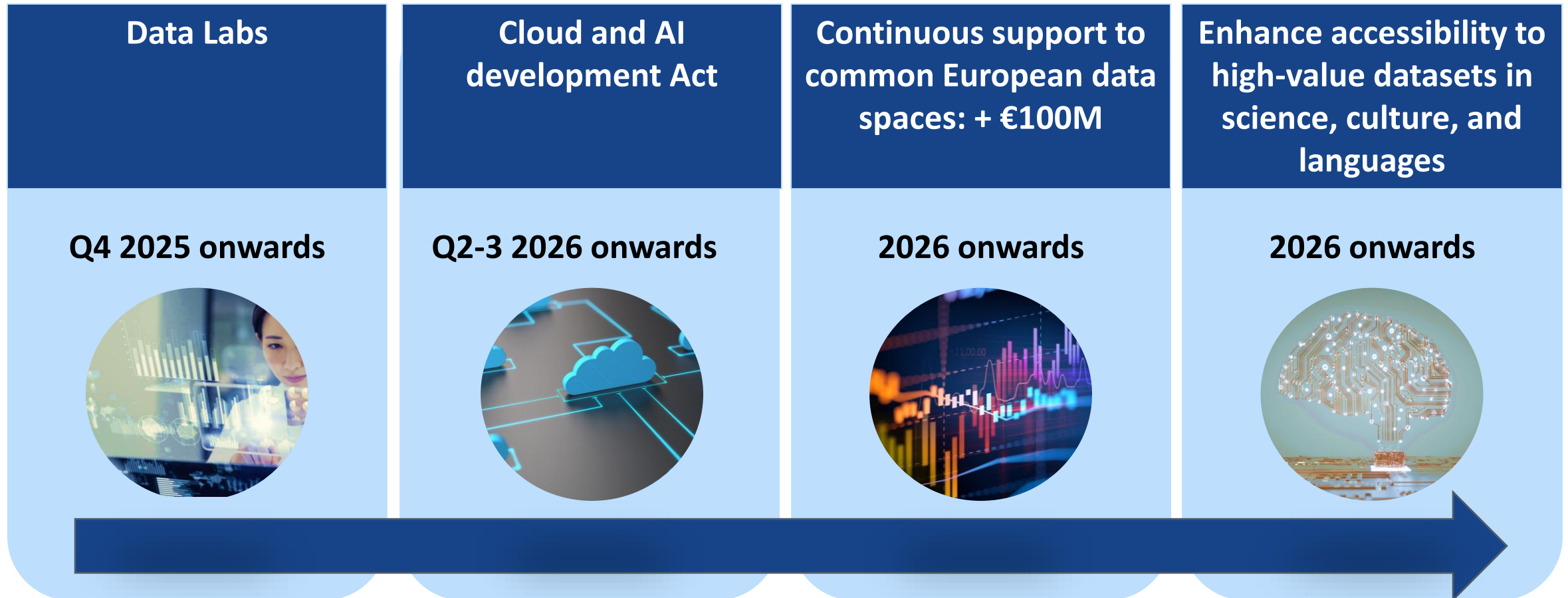
Data **scarcity** is a bottleneck for AI training
→ need more data for AI

Regulatory **complexity** hampers scale
→ need simplification

Global **competition**: data as a strategic asset
→ operationalizing 'open but assertive' approach



Tackling data scarcity: flagship actions & timeline



Reducing complexity: supporting the Data Act implementation

Published

- **Model contractual terms** for data sharing to reduce legal complexity
- **Standard contractual clauses** for cloud services to make switching easier and contracts fairer
- Guidance on **vehicle data**
- **Frequently asked questions**

Upcoming 2026

- Guidelines on **reasonable compensation** for mandatory B2B data sharing
- **Guidelines on selected definitions** in the Data Act

Addressing competition: an open but assertive approach



Fair cross-border data flows and safeguards for sensitive non-personal data



Linking EU data-sharing ecosystems with those of like-minded third countries



Boosting the EU's voice in global data governance



How to search for datasets on the European Data Portal

Filtering

- Allows filtering of datasets based on various parameters



Data scope ⓘ

- Any - ▼

Provenance ⓘ

- Any - ▼

Catalogues ⓘ

- Any - ▼

Formats ⓘ

- Any - ▼

Metadata quality ⓘ

- Any - ▼

[More filters](#) ▼

[Clear filters](#)

All Datasets Catalogues Editorial content

Search all content [Filters](#) ⓘ 🔍

All resources found (1 662 609) [API request](#) [Relevance](#) ⌵

France Dataset

Statistiques de consultation de data.gouv.fr

Ces fichiers correspondent aux statistiques journalières de consultation du site data.gouv.fr découpée par années. Les données proviennent de stats.data.gouv.fr et sont compilées à la fin de chaque année. ⚠ A pa...

🇫🇷 Plateforme ouverte des données publiques françaises [CSV](#) [uri](#)

France Dataset

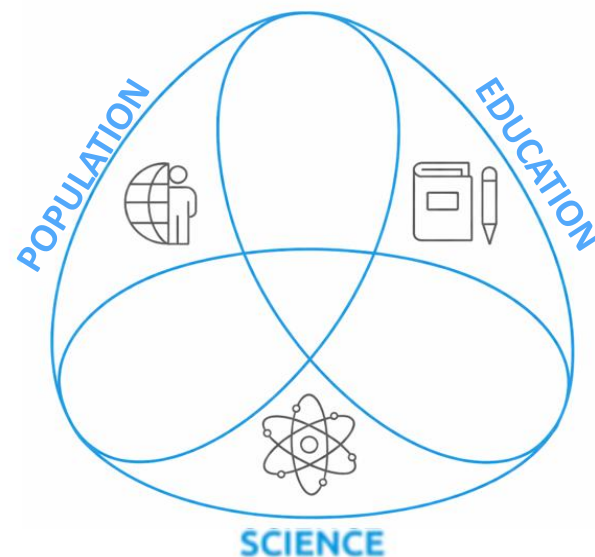
Historique des groupes politiques de l'Assemblée nationale (depuis 2012) - Informations et statistiques

Ce jeu de données présente tous les groupes politiques de l'Assemblée nationale française depuis la 14ème législature (2012). Les données proviennent des données ouvertes de l'Assemblée nationale. Ce nouveau i...

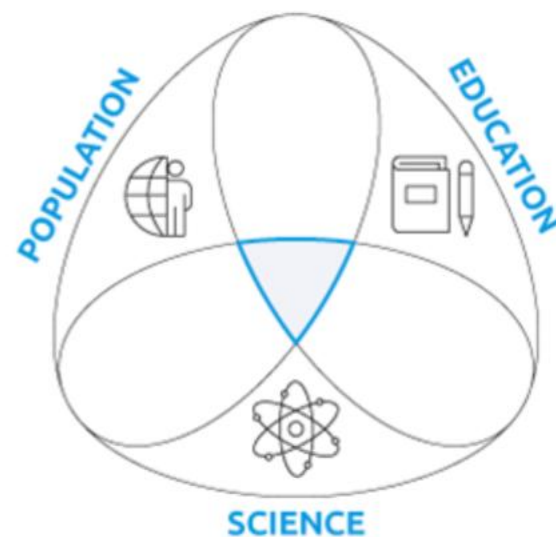
Boolean operators: AND, OR

- Simple words to expand and narrow search parameters when using a database or search engine

- ✓ Always in English
- ✓ Always in CAPITAL LETTERS



POPULATION OR
EDUCATION OR
SCIENCE



POPULATION AND
EDUCATION AND
SCIENCE



Parentheses ():

(environment OR nature) AND (refurbish OR reuse)

- Avoids the need to perform multiple searches for combinations of keywords

Double quote “ ”

“Manual public space”

- Returns datasets containing the keywords in exactly the same order
- Will not return datasets containing “manual space public” or “manual-public space”



Wildcards:

-Question mark ? replaces a single character

-Asterisk * replaces zero or more characters

*ois?au dat**

Returns datasets that can contain:

- *oisiau data,*
- *oisoau dataset, or*
- *oiseau datasets.*



Other resources on the EDP (a selection)

Licencing assistant

Licencing Assistant

The licencing assistant is a unique tool to facilitate the understanding of a standardised set of common licence characteristics: obligation, permission, and prohibition. The characteristics allow data reusers to understand what a licence entails and data providers to select licences that meet their needs. The tool includes 177 licences, each used by at least 20 000 datasets on the portal.

Filter by

Obligation

Select an item

Permission

Select an item

Prohibition

Select an item

Results(177)

Sort by: Usage

Name

Terms

Creative Commons Attribution
4.0 International

Obligation: Notice

Obligation: Attribution

Obligation: Licensee

Permission: Reproduction

Permission: Distribution

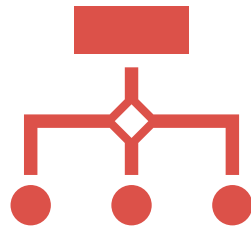
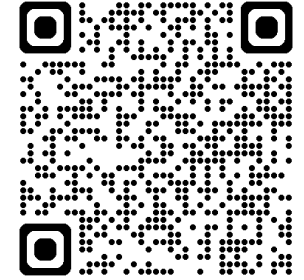
Permission: Derivative Works

Permission: Sublicense

Prohibition: use_trademark

- Licencing tool for users and data providers
- Contains ~**177 licenses** from the controlled EU Vocabularies list
- Visually demonstrates 12 main characteristics of the **most commonly used licenses**

Application Programming Interface (API)

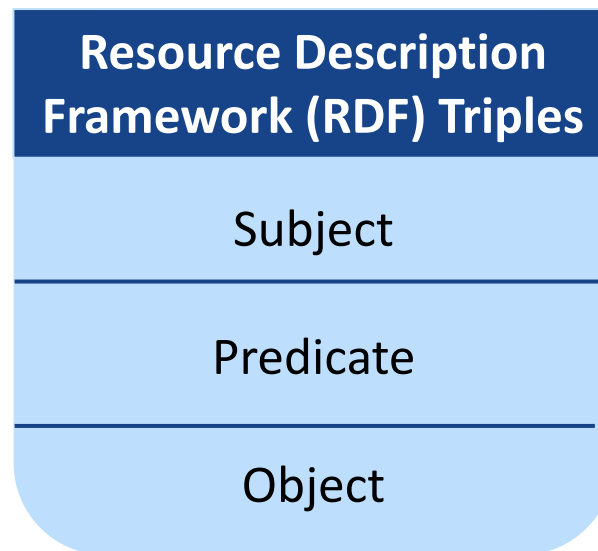


API is an access method: how you request data via an endpoint using parameters and get a response

- Automated retrieval of data without repeated manual downloads
- Consistent access to updated data over time
- Selective access to only the variables, regions, or periods you need

SPARQL

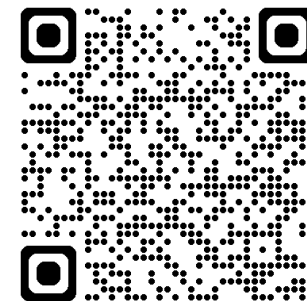
- SPARQL (SPARQL Protocol and RDF Query Language) is a query language for working with data stored in RDF
- RDF represents information in simple statements called triples: subject, predicate, object



SPARQL asks **structured questions** about those RDF triples



SPARQL



- SPARQL endpoint: web address where you send a SPARQL query and receive results back, often as a table
- SPARQL on the EDP: query the **RDF descriptions of datasets and catalogues** on the portal

SPARQL search

All metadata of data.europa.eu is stored as RDF triples ([RDF](#)) and can be queried using SPARQL query language at this endpoint. Queries can be executed via the query editor (below) or via the machine-readable endpoint (<https://data.europa.eu/sparql>).

To assist users in constructing useful SPARQL queries we provide a page with featured [sample SPARQL queries](#) that can be executed via our endpoint. Datasets and catalogues published as RDF triples on the portal follow the [DCAT-AP specification](#). For further reading on the metadata ontology, please refer to the data.europa.eu academy page on DCAT-AP at: <https://data.europa.eu/en/academy/dcat-and-dcat-ap>.

Query × + SPARQL



```
1 PREFIX dcat: <http://www.w3.org/ns/dcat#>
2 PREFIX odp: <http://data.europa.eu/euodp/ontologies/ec-odp#>
3 PREFIX dct: <http://purl.org/dc/terms/>
4 PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
5 PREFIX foaf: <http://xmlns.com/foaf/0.1/>
6
7 SELECT * WHERE { ?d a dcat:Dataset } LIMIT 10
```



The data.europa academy

11 courses with 60+ lessons and e-learning modules

Business Communication Impact Legal Policy Portal Quality

BEGINNER

E-learning - Reading - Videos

Creating your business with open data

Are you a developer looking to create or update a product or service? Or in a project that needs dataset to create a prototyp...

[Read more](#)

Audience: Developers, Private sector

BUSINESS **POLICY** **IMPACT**

INTERMEDIATE

Webinar - Reading - E-learning - Tools - Videos

Measuring the impact of open data

Open data bring multiple benefits, but understanding its real is an essential action that the European data portal continues ...

[Read more](#)

Audience: Data providers, Academia, Public sector, Non-governmental organisations

BUSINESS **COMMUNICATION** **IMPACT**

ADVANCED

Webinar - Reading - E-learning - Tools - Videos

Improving open data and metadata quality

Want to know more about how to provide and collect good quality data and metadata? This is the course for you! Through e-lear...

[Read more](#)

Audience: Data providers, Developers, Private sector

BUSINESS **PORTAL** **QUALITY**

[> See all courses](#)

Webinars for everyone

WEBINAR

Observing our planet through data: Destination Earth

[Watch](#)

data.europa academy

13 February 2026
10.00 – 11.30 CET



WEBINAR

Building Europe's data future: understanding the Data Union Strategy

[Watch](#)

data.europa academy

28 November 2025
10.00 – 11.00 CET



WEBINAR

Smart cities and digital twin technology: the case of Bologna

[Watch](#)

data.europa academy

23 January 2026
10.00 – 11.00 CET



Learning paths

Public Sector

Our learning paths for the public sector offer a clear and practical introduction to open data and the publishing process. You will learn how to make data accessible for innovation and reuse while gaining insights into legal, licensing and technical aspects. At the end of each learning path, you can test your understanding and earn an official European data portal certificate by successfully completing a quiz. Although tailored for the public sector, these paths are open to anyone interested in open data.



Content length: 4h 23m

The essentials of open data

Unlock the potential of open data. This introductory learning path is designed to...



Content length: 7h 3min

Navigating the legal aspects of open data

Gain a clear understanding of the legal and policy frameworks underpinning the...



Content length: 4h 39min

Enhancing data quality and interoperability

Learn about interoperability methodologies, guidelines on...

data.europa.eu/academy/learn/course/view.php?id=2

 [Explore all learning paths](#)



Coming soon: competition platform



**Compete against other data
enthusiasts from all over Europe!**

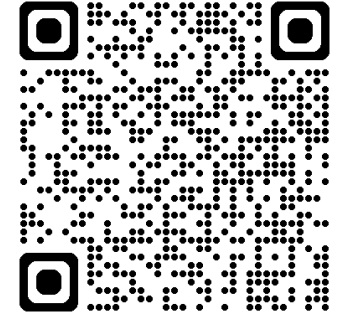


COMING SOON



Public procurement resources on the European Data Portal

Public procurement data resources



European data

data.europa.eu The official portal for European data



[Home](#) > [Public Procurement Data Space](#)

Public Procurement Data Space

Page contents

- [1. The Public Procurement Data Space \(PPDS\)](#)
- [2. Access to and reuse of TED procurement data](#)
- [3. Standards for public procurement data](#)



Unlocking the value of procurement data across the EU

This page provides access to the Public Procurement Data Space (PPDS) as well as to other resources concerning public procurement data and standards.

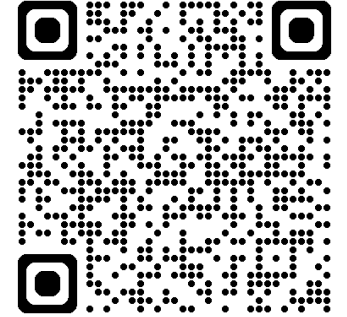
Access to...

- The Public Procurement Data Space
- Various resources linked to TED data
- Standards for public procurement data

... all in one place!

Public procurement data from 2006 to 2023

Dataset maintained by DG GROW **between 2006 and 2023** → then replaced by the Public Procurement Data Space



The screenshot shows the dataset page for 'Tenders Electronic Daily (TED) (csv subset) – public procurement notices'. The page header includes the 'Dataset' label, the title, and the Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs. It also features links for API, Cite, Metadata, Embed, and RSS. The main content area provides a detailed description of the dataset, stating it is a subset of TED data covering public procurement for the European Union and beyond from 2006-01-01 to 2023-12-31 in CSV format. It mentions that the data includes contract notices and award notices, and that it covers tenders above the procurement thresholds. A 'Quality' button is visible. The 'Similar datasets' section is also present. The 'Created' date is 27 July 2015, and the 'Updated' date is 25 January 2024. The 'Landing Page' is <https://single-market-economy.ec.europa.eu/single-market/public-procurement...>. The publisher is the Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs.

Dataset **Tenders Electronic Daily (TED) (csv subset) – public procurement notices** 0

Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs API Cite Metadata Embed RSS

A subset of Tenders Electronic Daily (TED) data covering public procurement for the European Union and beyond from 2006-01-01 to 2023-12-31 in comma separated value (CSV) format. This data includes the most important fields from the contract notice and contract award notice standard forms, such as who bought what from whom, for how much, and which procedure and award criteria were used. Generally, the data consists of tenders above the procurement thresholds. However, publishing below threshold tenders in TED is considered good practice, and thus a non-negligible number of below threshold tenders is present as well. Please see the documentation below for important information on the data and its usage, including a version history of the export. The European Commission is interested in the results of research on public procurement coming from the re-use of this data. Thus, we will be grateful to receive links to any papers, reports, or applications at GROW-G4@ec.europa.eu. TED with broader coverage is also available in XML format at <https://data.europa.eu/euodp/en/data/dataset/ted-1.eFormsOn> 14 November 2022, the format of notices published in TED changed: the Publications Office displays both the

Quality

Similar datasets

Created: 27 July 2015

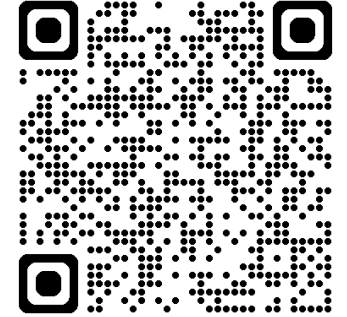
Updated: 25 January 2024

Landing Page: <https://single-market-economy.ec.europa.eu/single-market/public-procurement...>

Publisher: Directorate-General for Internal Market, Industry, Entrepreneurship and SMEs



TED data on the European Data Portal



You can also access and download the **data you find on TED**:



The screenshot shows the dataset page for 'Tenders Electronic Daily (TED) - public procurement notices from the EU and beyond'. It includes a 'Dataset' label, the Publications Office logo, and navigation links for API, Cite, Metadata, Embed, and RSS. The main text describes TED as the 'Supplement to the Official Journal of the EU' and provides information on how to access and download XML packages. A metadata table on the right lists the creation date, update date, landing page, and language.

Dataset Tenders Electronic Daily (TED) - public procurement notices from the EU and beyond 0

Publications Office API Cite Metadata Embed RSS

TED (Tenders Electronic Daily) is the 'Supplement to the Official Journal of the EU ("OJ S")', dedicated to European public procurement.

You will find information on public procurement contracts, according to the EU rules on public procurements, of notices published in EU Member States, European Economic Area (EEA) and beyond.

You can browse, search and sort procurement notices by country, region, business sector and more.

TED (Tender Electronic daily) website currently offers bulk downloads of XML packages, for registered users, in the page "Download XML Packages" (<https://ted.europa.eu/en/simap/xml-bulk-download>).

The XML packages are divided into:

Quality >

Similar datasets >

Created:	27 July 2015
Updated:	06 June 2025
Landing Page:	https://ted.europa.eu
Languages:	English



Hands-on demonstration: Looking for public procurement data on the EDP



Questions?

THANK YOU!

Contact us at

OP-DATA-EUROPA-EU@publications.europa.eu

