



Making Open Data work for Europe

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What is this talk about?

- The EU policies and initiatives on open data
- Focus on the Open Data Support project of DG CONNECT

Open (public) data: Why does it matter for Europe?

- 1. Untapped business and economic opportunities:** data is the new gold; possible direct and indirect gains of €140bln across the EU27; Dutch geo-sector in 2008: 15.000 jobs
- 2. Better governance and citizen empowerment:** open data increases transparency, citizen participation and administrative efficiency and accountability
- 3. Addressing societal challenges:** data can enhance sustainability of health care systems; essential for tackling environmental challenges
- 4. Accelerating scientific progress:** e-science essential for meeting the challenges of the 21st century in scientific discovery and learning.

Commission Communication on open data:

An engine for innovation, growth and transparent governance

- Fostering of (Open) Data policy
- Adoption of the revised Directive on the re-use of Public Sector Information (PSI) and the Commission decision on re-use of its own information
- Implementation of PSI policy across Europe by ensuring compliance and the development of soft law instruments (guidelines on high value data, licensing and charging)



Conclusions of the European Council (25/10/2013)

Investing in the digital economy

3. Several strategic technologies such as Big Data and Cloud computing are important enablers for productivity and better services. Cloud computing should improve access to data and simplify their sharing. Big Data aims to process, collect, store and analyse large amounts of data. EU action should provide the right framework conditions for a single market for Big Data and Cloud computing, in particular by promoting high standards for secure, high-quality and reliable cloud services. **The European Commission and the Member States, with the support of the "European Cloud Partnership", should continue to make every effort to put Europe at the forefront of cloud adoption. The European Council calls for the establishment of a strong network of national digital coordinators which could play a strategic role in Cloud, Big Data and Open Data development.**

Revision of the PSI Directive

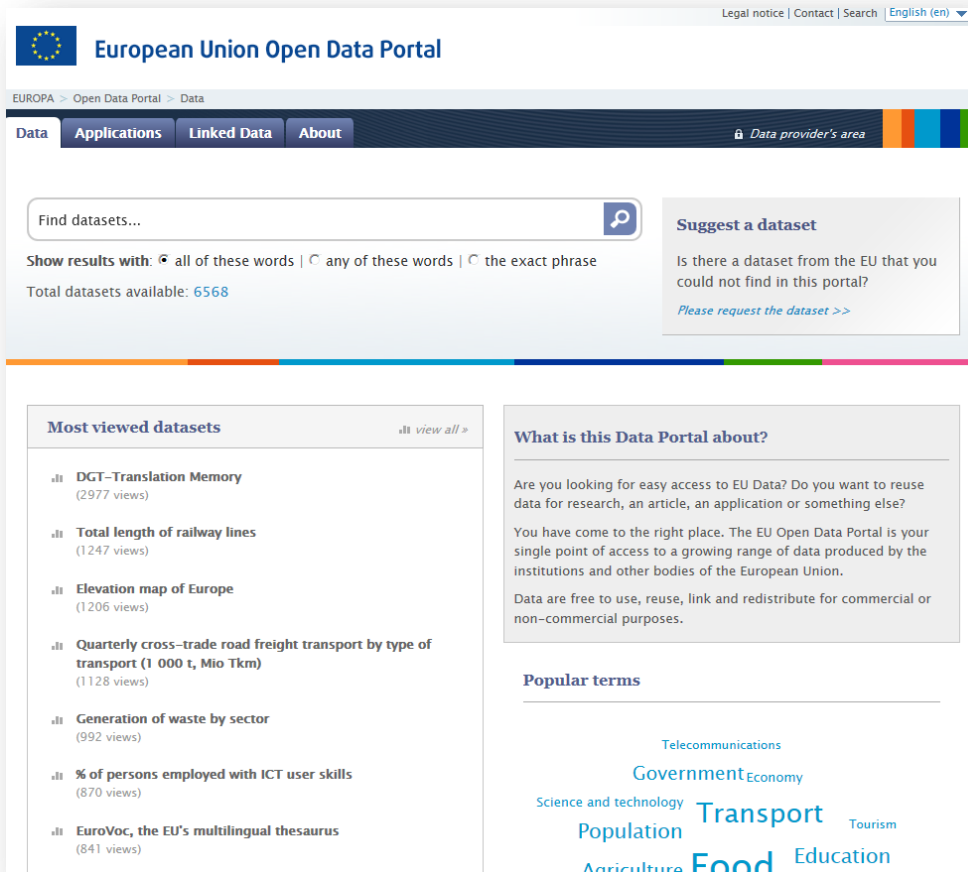
Directive 2013/37/EU was adopted on 23 June 2013

- Key points of the revision, to be transposed within 18 July 2015:
 - **All accessible material in principle reusable must be made available;**
 - **Charges in principle are lowered to the marginal costs of dissemination**
 - **Rules on re-use of cultural material (material held by museums, libraries & archives that is free of third party copyright) are now included**
 - **Machine-readable and open formats are strongly encouraged**

EU Open Data portals and infrastructures

- 2012: Commission Open Data Portal
- 2013: pan-European Open Data Portal (pilot)
- 2014-2020: European Digital Service infrastructure for Open Data (“Connecting Europe Facility” programme)

Re-use of Commission's own Data: The EU Open Data Portal



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European Union Open Data Portal

EUROPA > Open Data Portal > Data

Data Applications Linked Data About Data provider's area

Find datasets...

Show results with: all of these words | any of these words | the exact phrase

Total datasets available: 6568

[Suggest a dataset](#)

Is there a dataset from the EU that you could not find in this portal?
[Please request the dataset >>](#)

Most viewed datasets [view all >](#)

- DGT-Translation Memory (2977 views)
- Total length of railway lines (1247 views)
- Elevation map of Europe (1206 views)
- Quarterly cross-trade road freight transport by type of transport (1 000 t, Mio Tkm) (1128 views)
- Generation of waste by sector (992 views)
- % of persons employed with ICT user skills (870 views)
- EuroVoc, the EU's multilingual thesaurus (841 views)

What is this Data Portal about?

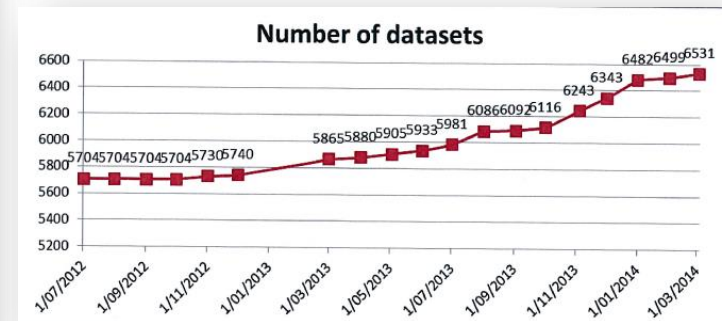
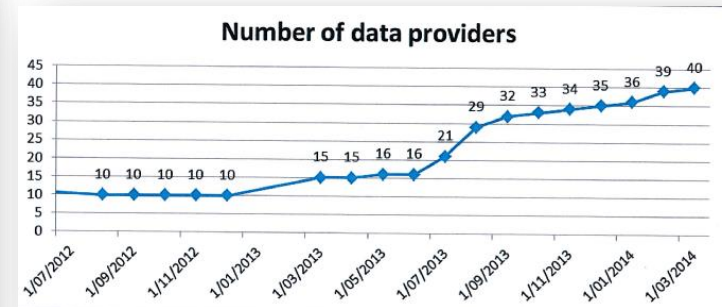
Are you looking for easy access to EU Data? Do you want to reuse data for research, an article, an application or something else?

You have come to the right place. The EU Open Data Portal is your single point of access to a growing range of data produced by the institutions and other bodies of the European Union.

Data are free to use, reuse, link and redistribute for commercial or non-commercial purposes.

Popular terms

Telecommunications
Government Economy
Science and technology
Transport Tourism
Population
Agriculture Food Education



More than 6500 datasets from 40 data providers ⁹

Towards a pan-European infrastructure for (open) data

- One single gateway to reusable information with the aim of enabling combination of information held by various open data portals at various levels throughout the EU
- Services around open data
- Dedicated service infrastructure for language resources in order facilitate multi-lingual access to online services



European Commission

The screenshot shows the publicdata.eu website interface. At the top, there is a navigation bar with 'Datasets', 'Groups', 'About', and 'Apps & Ideas'. A search bar contains the text 'land cover'. Below the search bar, there are several category filters: Finance and Budgeting (436), Social Questions (229), Environment (227), Transportation (199), Education and Communication (194), Agriculture, Fisheries, Forestry (181), Population (145), Economy and Industry (118), and Health (83). To the right of the filters is a map of Europe. At the bottom right of the map area, there is a link 'View larger map >'.

Pan-European Open Data portal

currently a pilot:

publicdata.eu

More than **46.000** referenced datasets

from **14** countries

Open Data Showcase

Featured Applications

The featured applications are displayed in a grid of six cards:

- ZNasichDani / From Our Taxes**: ZNasichDani.sk uncovers who are influential... (show more)
- OpenCorporates**: OpenCorporates has taken one of the most im... (show more)
- Live London Underground tube map**: It plots the current positions of all Londo... (show more)
- Bike Share Map**: Showing the current state of bike share sys... (show more)
- Evolution of European Union legislation**: Explaining the legislative activity of the ...
- Europe's carbon dioxide emissions**: Our emissions map (http://www.sandbag.org.u... (show more)

CEF Public Open Data: 2014 actions and outcomes

Initiate the deployment of a comprehensive Open Data core platform based upon the experience gained through the existing pilot portal

- Make **data sets accessible and downloadable** through links to data providers' resources; centralised storage may be offered
- Feature advanced capabilities, tools **aggregation** and **linking, browsing** and **visualization**, user interfaces and support material;
- Use agreed **standards for metadata and data.**



G8 Open Data Charter

5 principles, all fully in line with the Commission policy on open data:

- Open Data by Default (“all government data be published openly by default”)
- Quality and Quantity (released data should be timely, comprehensive, accurate and clear)
- Usable by All (open data should be available free of charge; without bureaucratic or administrative barriers, such as registration requirements; in open formats wherever possible; as much data as possible)
- Releasing Data for Improved Governance (share technical expertise and experience, be transparent on data collection, standards, and publishing processes)
- Releasing Data for Innovation

EU implementation of the G8 Open Data Charter

6 commitments

1. Publication of core datasets held at EU level (budget, elections, statistics)
2. Publication of high value datasets held at EU level
3. Publishing data on the EU open data portal
4. Promoting the application of the principles of the G8 Open Data Charter in all 28 EU Member States
5. Supporting Activities, Outreach, Consultation and Engagement
6. Sharing experiences of open data work

Making open data work for Europe: Other EU-funded initiatives

- [@epsiplatform](#)
Europe's One-Stop Shop on Public Sector Information (PSI) Re-use
- [@lapsi_project](#)
The European Thematic Network on Legal Aspects of Public Sector Information
- [@lod2project](#)
Creating Knowledge out of Interlinked Data
- [@sharePSI](#)
The network for innovation in European public sector information
- [@opendatasupport](#)
to improve the visibility and facilitate the access to datasets published on local and national open data portals



Open Data Support

Our mission

To improve the **visibility** and facilitate the **access** to datasets published on local and national Open Data portals in order to increase their **reuse** within and across borders.



**Makx
Dekkers**

Our services

Publishing services

We help (potential) Open Government Data publishers to prepare, transform and publish reusable metadata descriptions of their datasets.

Training services

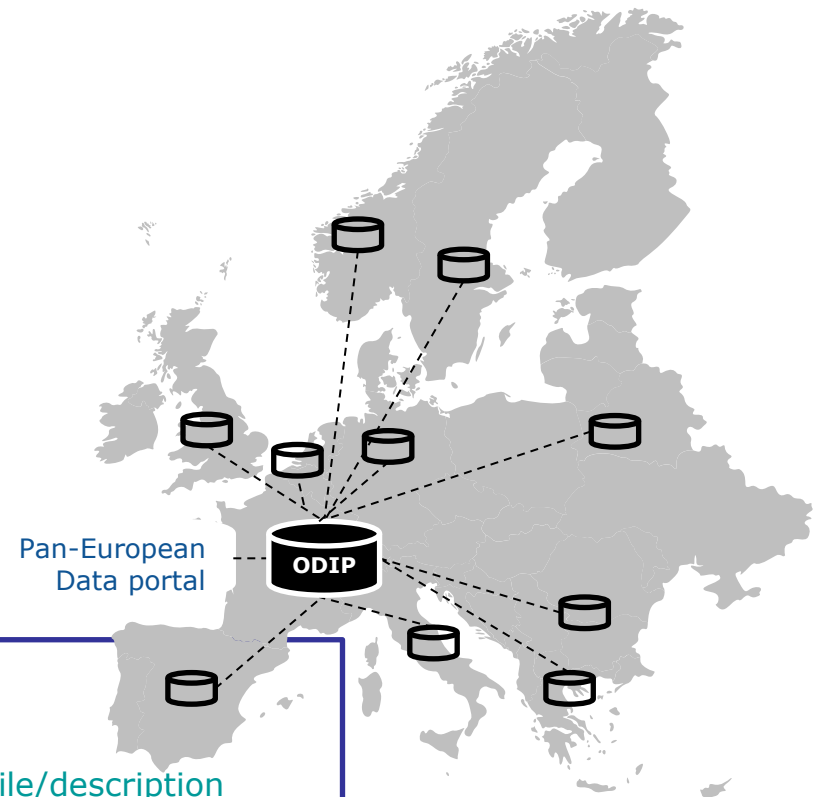
We train public administrations across Europe on the value of (Linked) Open Government Data and help them build capacity in effectively and efficiently publishing data.

Consulting services

We provide consultancy services tailored to the needs of public administrations covering a wide spectrum of topics from IT to licensing of (Linked) Open Government Data.

Making the search for datasets easier

... by providing
homogenised access
(based on the DCAT-AP)
to descriptive **metadata**
of open **datasets** via a
single access point.



See also:

DCAT-AP specification:

https://joinup.ec.europa.eu/asset/dcat_application_profile/description

<https://joinup.ec.europa.eu/community/ods/document/tm15-promoting-reuse-open-government-data-through-open-data-interoperability->

The DCAT Application Profile for data portals in Europe

A common vocabulary for describing datasets hosted in data portals in Europe, based on the Data Catalogue vocabulary (DCAT).

- Mandatory, recommended and optional classes and properties
- A set of controlled vocabularies, such as the File types and Countries Named Authority Lists, and Eurovoc for defining the theme of datasets.

 DCAT became a W3C Recommendation in January 2014.

Reusing data from EU Member States

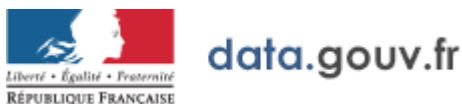
9 catalogs

56000+
datasets

...and counting

*Accessible already via our
SPARQL endpoint*

*Discover more on:
data.opendatasupport.eu*



Our training services

All trainings are freely available online through Joinup.



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Data

Share

Data is everywhere and has an impact on almost every part of human life. Whatever we do today, chances are high that we need to use data - regardless of whether we know about it or not. [\(more about data\)](#)



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- Factsheet: What is big data? (07/11/2013)
- Consultation on best ways to open up more public data (30/08/2013)

Speeches

- Big data for Europe (Neelie Kroes, Vice-President of the European Commission responsible for the Digital Agenda, 07/11/2013)

More info and updates:

<https://ec.europa.eu/digital-agenda/en/content-and-media/data>