



Geospatial Data on data.europa.eu

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data.europa.eu The official portal
for European data



data.europa.eu

- data.europa.eu provides access to open data
- Single access point to open data in Europe
- Strategic objective is to improve accessibility of open data

The screenshot shows the homepage of data.europa.eu. At the top, there is a navigation bar with a home icon, 'Data', 'Studies', 'data.europa academy', 'News', and 'Contact'. Below this is a banner featuring the Ukrainian and European Union flags with the text 'EU Solidarity with Ukraine'. A secondary navigation bar contains '> DATASETS' and '> ARTICLES'. The main heading reads 'The official portal for European data'. Below this, statistics are displayed: 175 Catalogues, 36 Countries, and 1 527 678 Datasets. A 'Trending datasets' section lists five items with EU flags: 'Consolidated list of persons, groups and entities subject to EU financial sanctions', 'Taxpayer Identification Number (TIN)', 'BEEG processing statistics', 'Cosmetic ingredient database (Cosing) - Ingredients and Fragrance inventory', and 'The European Commission's Oil Bulletin'. A 'Search datasets' section includes a search bar and a grid of 12 category icons: Agriculture, Fisheries, Forestry & Foods; Economy & Finance; Education, Culture & Sport; Energy; Environment; Government & Public Sector; Health; International Issues; Justice, Legal System & Public Safety; Population & Society; Regions & Cities; Science & Technology; and Transport. At the bottom, there are three links: '> DATA CATALOGUES', '> ALL DATASETS', and '> EU INSTITUTIONS DATASETS'.

data.europa.eu

- Includes metadata from 175 catalogues
 - Open Data Portals and Geoportals
- from 36 countries
- Descriptions of more than 1.5 Mio. datasets

data.europa.eu

English (en)

Home Data Studies data.europa academy News Contact

EU Solidarity with Ukraine

> DATASETS > ARTICLES

The official portal for European data

175 Catalogues 36 Countries 1 527 678 Datasets

Trending datasets

- Consolidated list of persons, groups and entities subject to EU financial sanctions
- Taxpayer Identification Number (TIN)
- BEEG processing statistics
- Cosmetic ingredient database (Cosing) - Ingredients and Fragrance inventory
- The European Commission's Oil Bulletin

Search datasets

Search datasets

Agriculture, Fisheries, Forestry & Foods

Economy & Finance Education, Culture & Sport Energy Environment Government & Public Sector Health

International Issues Justice, Legal System & Public Safety Population & Society Regions & Cities Science & Technology Transport



> DATA CATALOGUES > ALL DATASETS > EU INSTITUTIONS DATASETS

Harvesting

- Metadata is harvested from
 - Open Data Catalogues
 - Geo-catalogues
- Catalogue providers
 - EU Institutions (e.g. Eurostat)
 - European Countries
 - National, regional, thematic
 - International institutions

The screenshot displays the 'data.europa.eu' website interface. At the top, there is a navigation bar with the logo, a language dropdown set to 'English (en)', a search bar for datasets, and a search icon. Below this is a dark blue navigation bar with links for 'Data', 'Studies', 'data.europa academy', 'News', and 'Contact'. The main content area is titled 'Catalogues' and features a search bar for catalogues, tabs for 'Datasets', 'Catalogues', and 'Editorial Content', and sorting options for 'Last Modified', 'Relevance', and 'More'. A table on the left shows the 'Provenance' of catalogues, listing EU institutions and various countries with their respective counts. The main content area displays a list of catalogues, including 'HELCOM Metadata catalogue' and 'Latvian Geospatial Metadata Catalogue'.

| Filter setting | Operator | AND | OR |
|-----------------------------|----------|-----|----|
| Provenance | | | |
| EU institutions | | 16 | |
| Poland | | 4 | |
| Czechia | | 1 | |
| Spain | | 1 | |
| Austria | | 1 | |
| Germany | | 1 | |
| France | | 1 | |
| Croatia | | 1 | |
| International organisations | | 1 | |
| Latvia | | 1 | |

| HELCOM Metadata catalogue | Latvian Geospatial Metadata Catalogue |
|---|---|
|  HELCOM Metadata catalogue contains descriptions of datasets collected under HELCOM, Baltic Marine En... |  Geospatial Information Latvia |

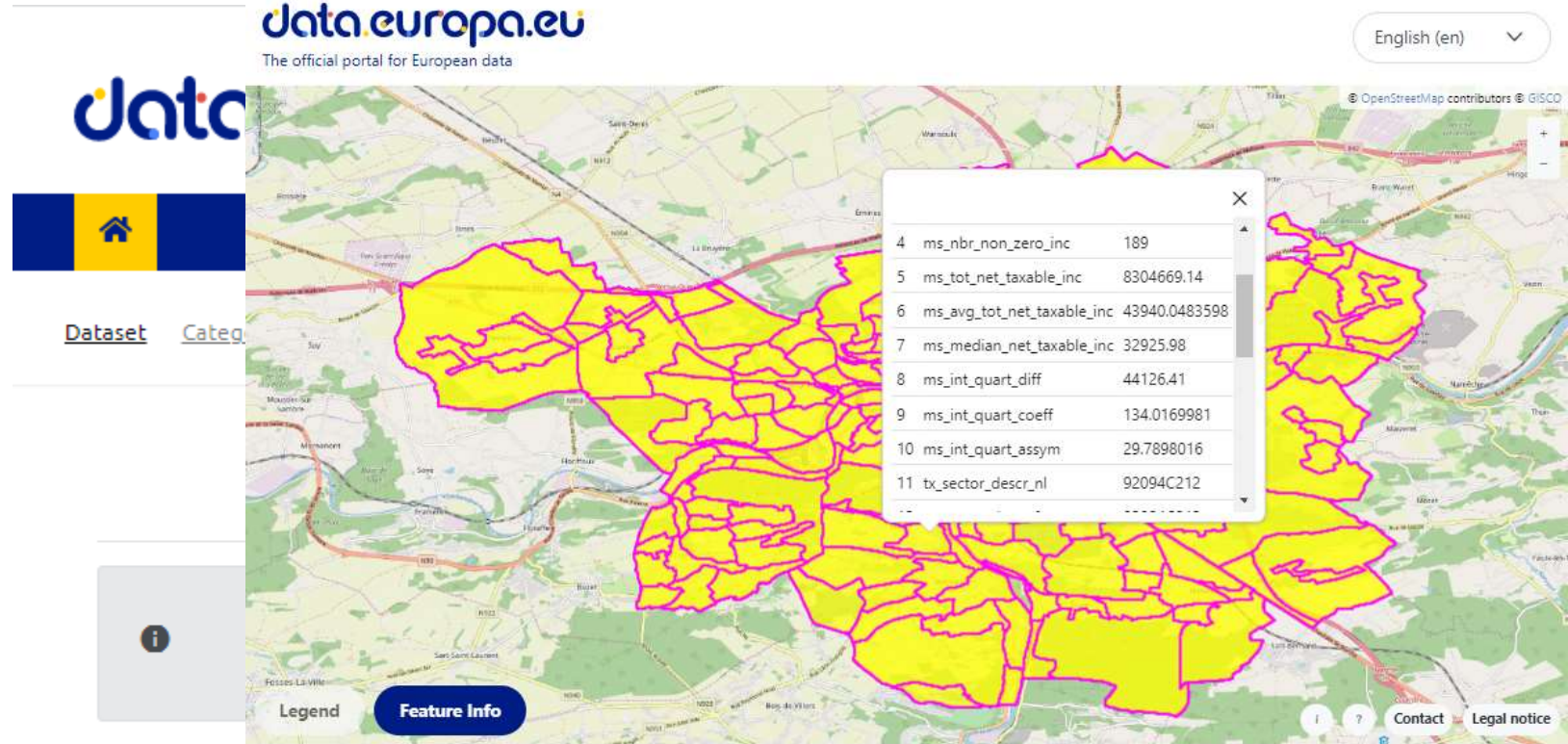
Harvesting of Geo-Catalogues

- Harvesting of metadata via CSW endpoints
 - Catalogue Service for the Web (CSW) is an Opengeospatial Consortium (OGC) Standard
- Dataset and service metadata (ISO 19139 / INSPIRE)
- Mapping ISO 19139 to GeoDCAT-AP

The screenshot shows the data.europa.eu website interface. At the top, there is a search bar with the text "Search datasets" and a magnifying glass icon. To the left of the search bar, the language is set to "English (en)". Below the search bar is a dark blue navigation bar with a home icon, "Data", "Studies", "data.europa academy", "News", and "Contact". Below the navigation bar, there are links for "Dataset", "Categories", "Similar Datasets", and "Quality". To the right of these links are "Feedback", "Share", "Dataset Feed", "Linked Data", "DQV Data", and "Cite". The main content area displays the title "Statbel — Income Tax Statistics by Statistical Sector" and the source "data.gov.be". An "Updated:" label is visible on the right. A grey notification box at the bottom contains the text: "The title and description of this dataset are machine translated. Original language: fr. Click here to see the dataset in the original language".

Display in data.europa.eu

- Description of the data source
- Preview in map
 - GeoJSON
 - Web Map Service (WMS)/ ISO 19128




The screenshot shows the data.europa.eu website interface. At the top, the logo "data.europa.eu" is displayed with the tagline "The official portal for European data". A language dropdown menu is set to "English (en)". The main content area features a map of Belgium with a yellow highlighted region. A "Feature Info" popup window is open over the map, displaying a table of statistical data for the selected area. The table includes 11 rows of data, with the last row being the sector description "tx_sector_descr_nl" with the value "92094C212".

| | | |
|----|----------------------------|---------------|
| 4 | ms_nbr_non_zero_inc | 189 |
| 5 | ms_tot_net_taxable_inc | 8304669.14 |
| 6 | ms_avg_tot_net_taxable_inc | 43940.0483598 |
| 7 | ms_median_net_taxable_inc | 32925.98 |
| 8 | ms_int_quart_diff | 44126.41 |
| 9 | ms_int_quart_coeff | 134.0169981 |
| 10 | ms_int_quart_assym | 29.7898016 |
| 11 | tx_sector_descr_nl | 92094C212 |

Description: Tax statistics on income subject to personal tax by statistical sector Period: 2005-2018 Source: <https://statbel.fgov.be/fr/themes/fiscale-des-revenus-par-secteur-statistique>

Distributions (4)

Browsing service for topics Statistical


 Portal Geostatystyczny



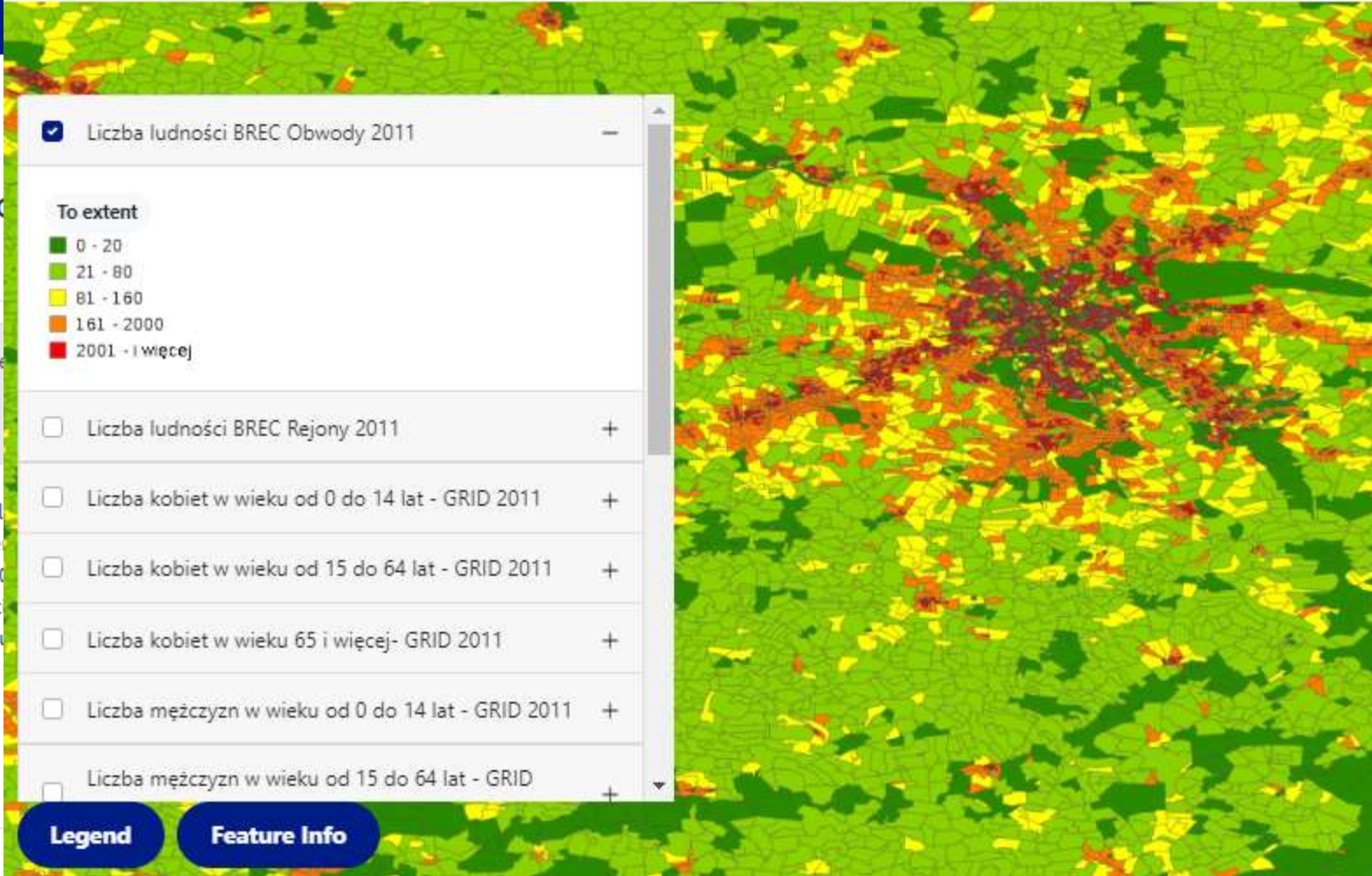
The title and description of this dataset are machine translated
Original language: pl
[Click here to see the dataset in the original language](#)


Data viewing service for the topics Statistical Units and Popul...
current and historical boundaries of statistical regions and ce...
population, classifications by: gender, biological age groups (0...
circuits. Access to historical data for the boundaries of statist...
from a given time). By default, the service returns current bo...
uses the WMS OGC 1.3.0 interface with the Time extension.


Distributions (1)


 **view**
No description available

Licence No Licence Provided



Options 

[Open Geo-Visualization](#) 

Download **Linked Data** 



Trends in geospatial data

- Explain some current trends in the geospatial community
- Discuss:
 - 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?



<https://data.europa.eu/en/academy/trends-geospatial-data>

Link to last year's report:

https://data.europa.eu/sites/default/files/course/Geospatial_Trends_2021.pdf

High-Value Datasets

via Application
Programming
Interfaces (APIs)

re-use

minimal
legal restrictions

bulk download

free of charge

machine-readable format

High Value Datasets

Thematic Categories

Geospatial

Earth observation and environment

Meteorological

Statistics

Companies and company ownership

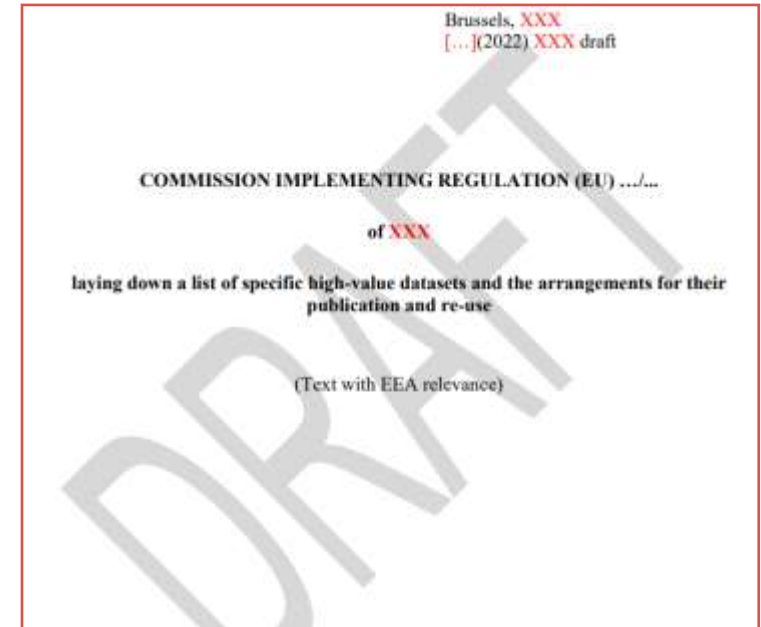
Mobility

Draft Implementing Regulation laying down a list of specific high-value datasets and the arrangements for their publication and re-use

https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/12111-Open-data-availability-of-public-datasets_en



Draft
references
INSPIRE data
themes



Questions?



Word Cloud on trends

- What current trends regarding geospatial topics come to mind?
- What trends might affect the way we use geospatial data?

slido

Thank you!

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