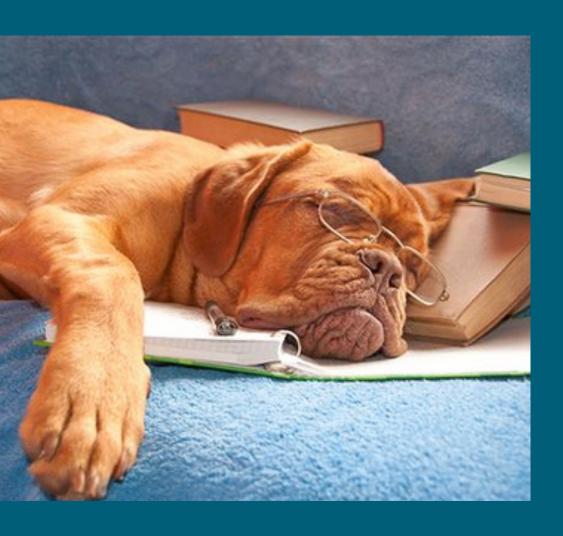
Presented by: Irina Bolychevsky



Presented by:

Paulo Rupino da Cunha



Open Data 101

WHAT IS OPEN DATA?

OPENDATA



Open means **anyone** can **freely access**, **use**, **modify**, and **share** for **any purpose** (subject, at most, to requirements that preserve provenance and openness).



Open data and content can be **freely used**, **modified**, and **shared** by **anyone** for any **purpose**



http://opendefinition.org



Multimodal trip planning & analysis

OpenTripPlanner provides a range of passenger information and transportation network analysis features using our infrastructure for finding itineraries combining transit, pedestrian, bike, and car segments.

Blog </> Code i Docs ? Support





England's best places to live

Find the best locations to buy or rent your home. It's free and fun to use!







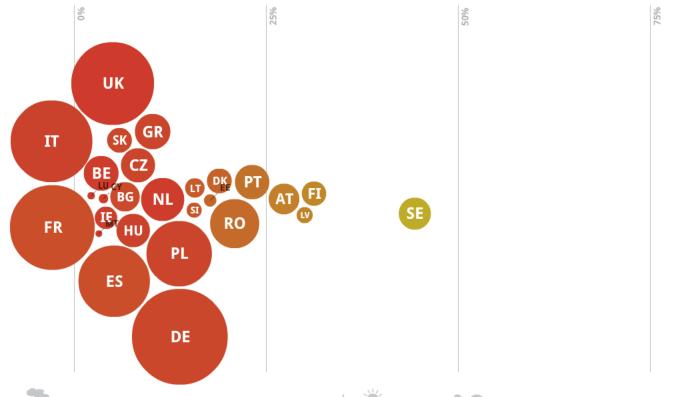
between any two points.



Explore England

3 2008 9

Percent of total gross consumption





CO2 Emissions Per Capita



Renewable Energy Share



Renewables Targets 2020



Primary Energy Production



Energy Dependency



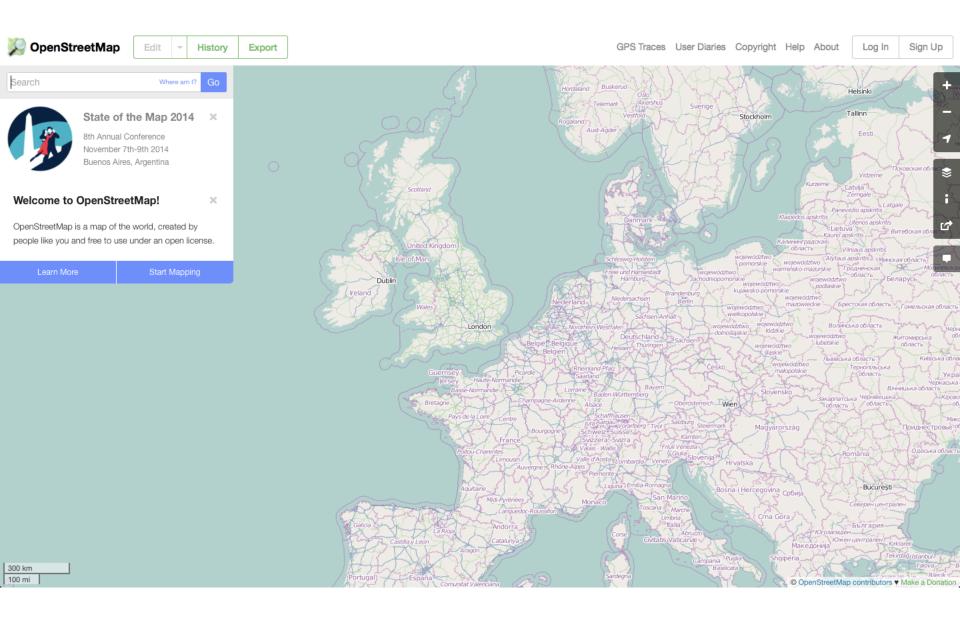
Net Imports

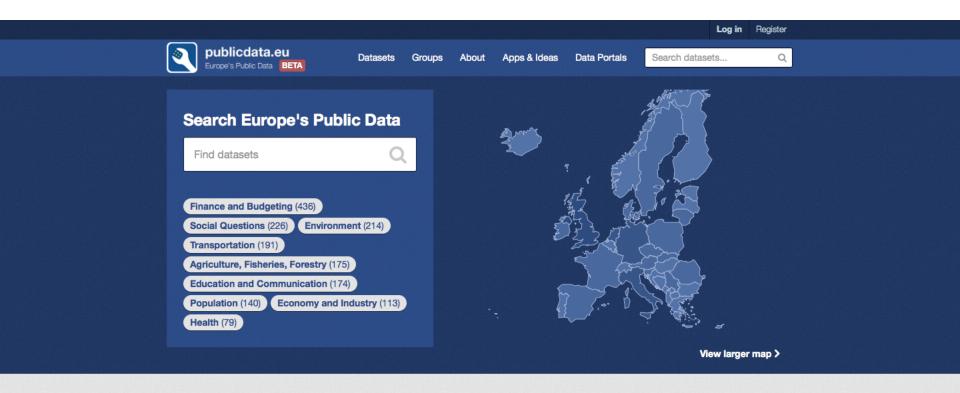


Renewable Electricity Share



WHAT IS OPEN DATA?





Open Data Showcase

Featured Applications







WHY OPEN DATA?

IMPROVED
PRODUCTS
AND SERVICES

(K)

ACCOUNTABILITY

7

ENGAGEMENT
AND
PARTICIPATION

BUSINESS OPPORTUNITIES



 \bigcirc

TRANSPARENCY

SELF-EMPOWERMENT



. . . .

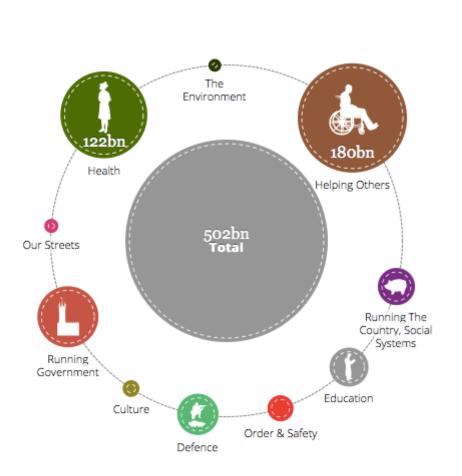
WHERE DOES MY MONEY GO?

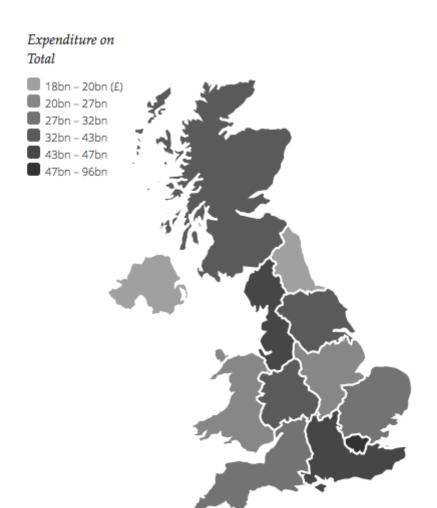
Showing you where your taxes get spent

The Daily Bread

Country & Regional Analysis

Departmental Spending About





OFFENERHAUSHALT BUND LÄNDER KOMMUNEN EUROPA ÜBER UNS



€14.485.382.000

€13.327.539.000

4,57%

4,20%

BUNDESHAUSHALT

Bundesministerium für Gesundheit

Allgemeine Finanzverwaltung





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Weather is the key to a safer and more sustainable world. **Openness is the way...**

We promote open data, open science, open technology and open knowledge for pushing meteorology forward in the society and give rise to innovation.

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Bring your ideas!	Get in touch

The Latest from our Blog: Talking weather at OKCon 2013

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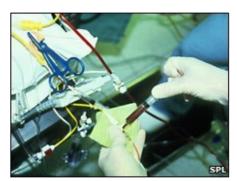
E-mail this to a friend



Heart surgery 'more successful'

Outcomes for adult cardiac patients in the UK have improved significantly since publication of information on death rates, research suggests.

The study also found more elderly and high-risk patients were now being treated, despite fears surgeons would not want to take them on.



Heart surgery can be extremely complicated

It is based on analysis of more than 400,000 operations by the Society for Cardiothoracic Surgery.

Experts said all surgical specialties should now publish data on death rates.

SEE ALSO

Death data 'cuts risky surgery'
 14 Jan 05 | Health

RELATED INTERNET LINKS

- ▶ Royal College of Surgeons of England
- Society for Cardiothoracic Surgery of GB and Ireland

The BBC is not responsible for the content of external internet sites

TOP HEALTH STORIES

- > Stem cell method put to the test
- Hospitals 'eyeing private market'
- Low vitamin D 'Parkinson's link'

News feeds

PUBLIC SECTOR INFORMATION



Image: http://addurl.xyz/Government/

The White House

Office of the Press Secretary



For Immediate Release

May 09, 2013

Executive Order -- Making Open and Machine Readable the New Default for Government Information

EXECUTIVE ORDER

MAKING OPEN AND MACHINE READABLE THE NEW DEFAULT FOR GOVERNMENT INFORMATION

By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered as follows:

<u>Section 1</u>. <u>General Principles</u>. Openness in government strengthens our democracy, promotes the delivery of efficient and effective services to the public, and contributes to economic growth. As one vital benefit of open government, making information resources easy to find, accessible, and usable can fuel entrepreneurship, innovation, and scientific discovery that improves Americans' lives and contributes significantly to job creation.

Decades ago, the U.S. Government made both weather data and the Global Positioning System freely available. Since that time, American entrepreneurs and innovators have utilized these resources to create navigation systems, weather newscasts and warning systems, location-based applications, precision farming tools, and much more, improving Americans' lives in countless ways and leading to economic growth and job creation. In recent years, thousands of Government data resources across fields such as health and medicine, education, energy, public safety, global development, and finance have been posted in machine-readable form for free public use on Data.gov. Entrepreneurs and innovators have continued to develop a vast range of useful new products and businesses using these public information resources, creating good jobs in the process.

EN

T

(Legislative acts)

DIRECTIVES

DIRECTIVE 2013/37/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 26 June 2013

amending Directive 2003/98/EC on the re-use of public sector information

(Text with EEA relevance)

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 114 thereof,

Having regard to the proposal from the European Commission,

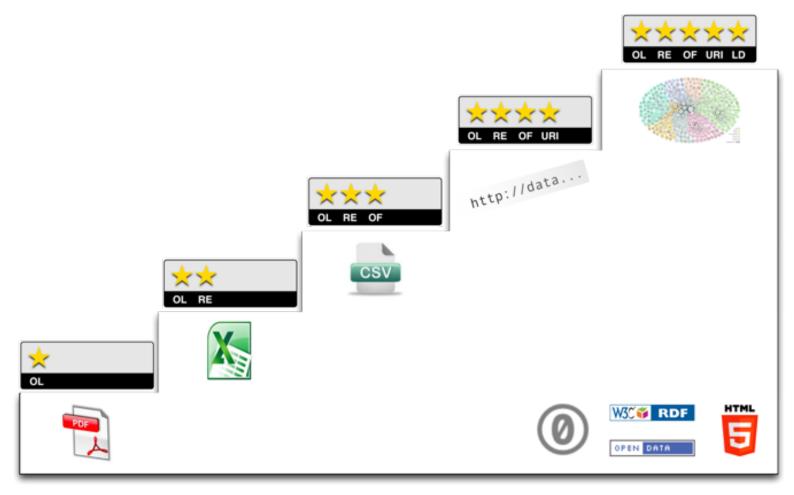
After transmission of the draft legislative act to the national parliaments,

technical or financial constraints, and which promote the circulation of information not only for economic operators but also for the public, can play an important role in kick-starting the development of new services based on novel ways to combine and make use of such information, stimulate economic growth and promote social engagement. However, this requires a level playing field at Union level in terms of whether or not the re-use of documents is authorised, which cannot be achieved by leaving it subject to the different rules and practices of the Member States or the public sector bodies concerned.

Having regard to the opinion of the European Economic and

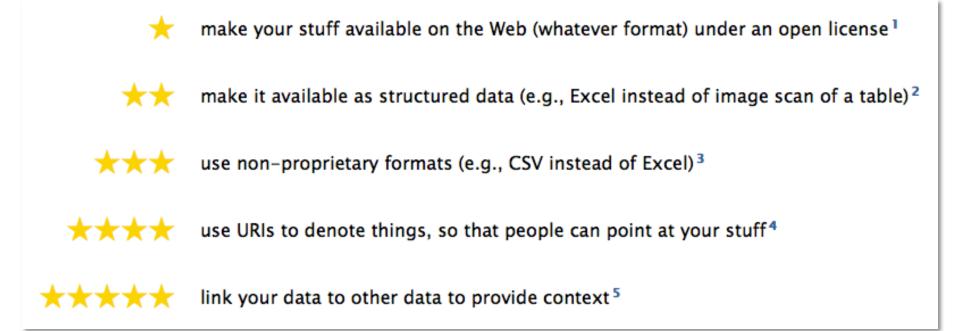
4) Allowing re-use of documents held by a public sector

HOW TO OPEN DATA?



http://5stardata.info

HOW TO OPEN DATA?



http://5stardata.info



Keep it simple.

Start out small, simple and fast. There is no requirement that every dataset must be made open right now. Starting out by opening up just one dataset, or even one part of a large dataset, is fine – of course, the more datasets you can open up the better.



Engage early and engage often.

Engage with actual and potential users and re-users of the data as early and as often as you can, be they citizens, businesses or developers. This will ensure that the next iteration of your service is as relevant as it can be.

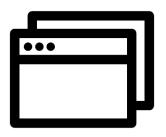


Address common fears and misunderstandings.

This is especially important if you are working with or within large institutions such as government. When opening up data you will encounter plenty of questions and fears. It is important to (a) identify the most important ones and (b) address them at as early a stage as possible.

- **○** Choose your dataset(s)
- Apply an open license
- Make the data available (in bulk and in a useful format; consider API)
- Make it discoverable

WHERE TO PUBLISH YOUR OPEN DATA?







YOUR WEBSITE

THIRD-PARTY SERVICE

CONSIDER A SPECIALIZED TOOL





CKAN, the world's leading open-source data portal platform

CKAN is a powerful data management system that makes data accessible - by providing tools to streamline publishing, sharing, finding and using data. CKAN is aimed at data publishers (national and regional governments, companies and organizations) wanting to make their data open and available.











Feature Overview



Complete catalog system with easy to use web interface and a powerful API



Strong integration with third-party CMS's like Drupal and WordPress



Data visualization and analytics



Workflow support lets departments or groups manage their own data publishing



Fine-grained access control



Integrated data storage and full data



Federated structure: easily set up new instances with common search



Support and Hosted Solutions

CKAN is open source and can be downloaded and used for free. Users can also get hosting and support from a range of suppliers.

A full-time professional development team at the Open Knowledge Foundation maintains CKAN and can provide full support and hosting with SLAs.

Read More



Publish & find datasets

Publish datasets via import or through a web interface. Search by keyword or filter by tags. See dataset information at a glance. Full change history lets you easily undo changes or view old versions.



Store & manage data

Store the raw data and metadata. Visualise structured data with interactive tables, graphs and maps. Get statistics and usage metrics for your datasets. Search geospatial data on a map by area.



Engage with users & others

Federate networks with other CKAN nodes. Theme with CSS or integrate with a CMS. Build a community with extensions that allow users to comment on and follow datasets.



Customise & extend

Use the API's rich programming interface, and benefit from over 60 extensions including link checking, comments, and analytics. CKAN's Open Source licence allows you to download and run it for free.

Geospatial

CKAN has advanced geospatial features, covering data preview, search, and discovery.

Status:

Description:

Country: Mozambiqu

Route: Sumbawana

Location: [object Obj

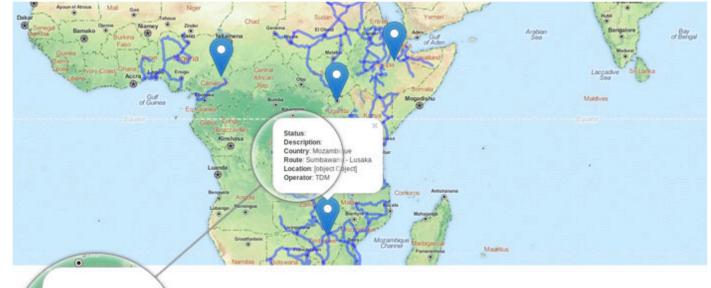
Operator: TDM

Preview

Where structured data with location information is loaded into CKAN's DataStore, CKAN can plot the data on an interactive map. The screenshot shows a map view of a sample dataset, with markers showing individual data points and full details shown for records as they are selected.

Search

CKAN can understand a location associated with a dataset, and use this to offer geospatial search capabilities via the web interface and API. A user searching for datasets can filter the results by geographical location, specifying a bounding box to limit the area the are interested in. CKAN understands different co-ordinate geometries and parses location information accordingly.



Discovery

To ensure your datasets can be easily integrated with other systems, CKAN includes tools to import geo-coded metadata in a number of formats and make it queriable ('discoverable') according to the INSPIRE standard. It can import major metadata schemas such as ISO19139, GEMINI 2.1 and FGDC can handle records hosted in a variety of ways, including the geospatial CSW standard, WAFs, ArcGIS portals, Geoportal Servers and Z39.50 databases. CKAN can also serve geospatial packages via its own CSW interface. The architecture is extensible, making it easy to support other standards and distribution services. For more detailed documentation on CKAN's geospatial functionality, see the Geospatial Capabilities documentation.

Thank you!

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