

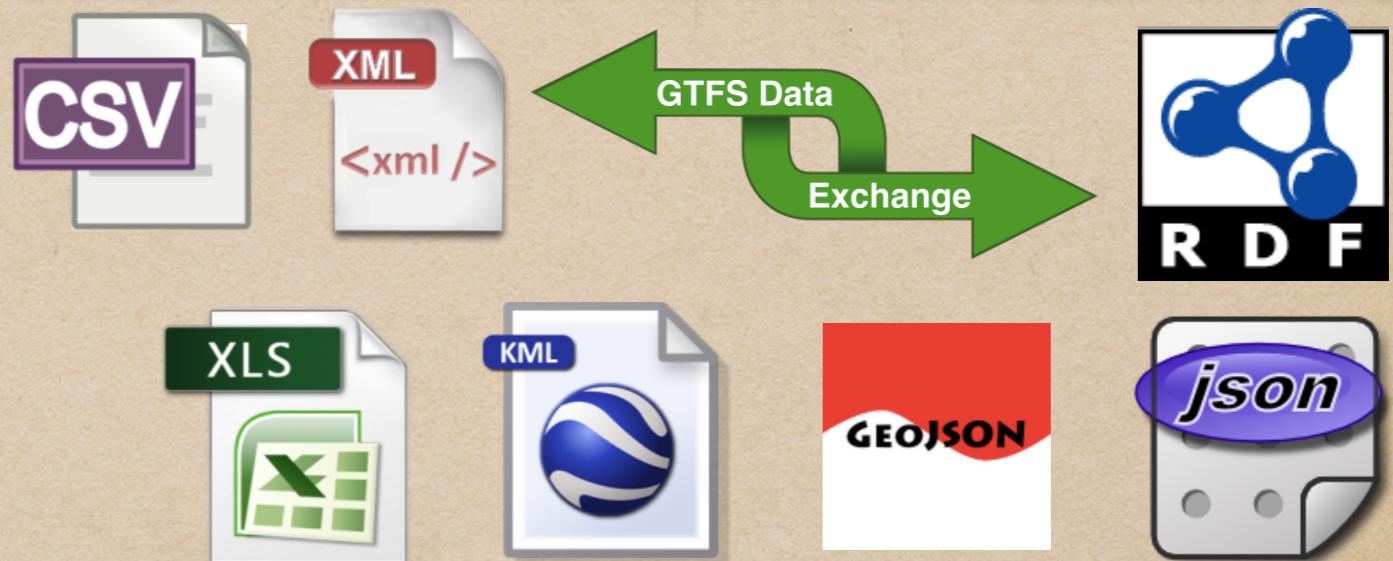
CESL, University of Arizona, 2017

# Introduction to Open Data

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@iRadche, <http://www.datadrivenjournalism.ru>

# Open Data Definition

Machine-Readable  
formats



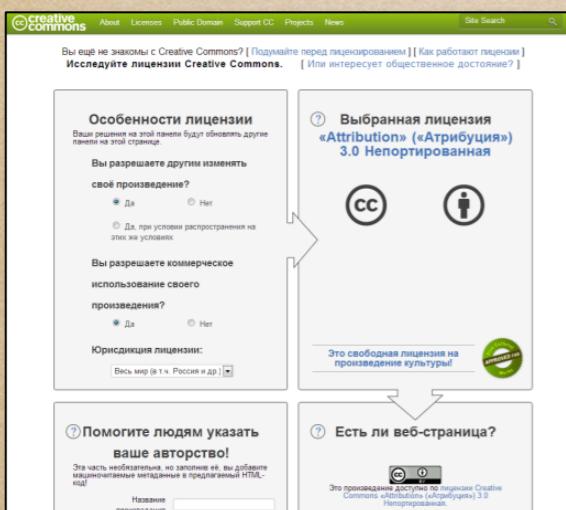
Open Licenses



# Open Licenses

## Creative Commons

<http://creativecommons.org/choose/>



## Open Government Licence

<http://www.nationalarchives.gov.uk/doc/open-government-licence/version/1/open-government-licence.htm>

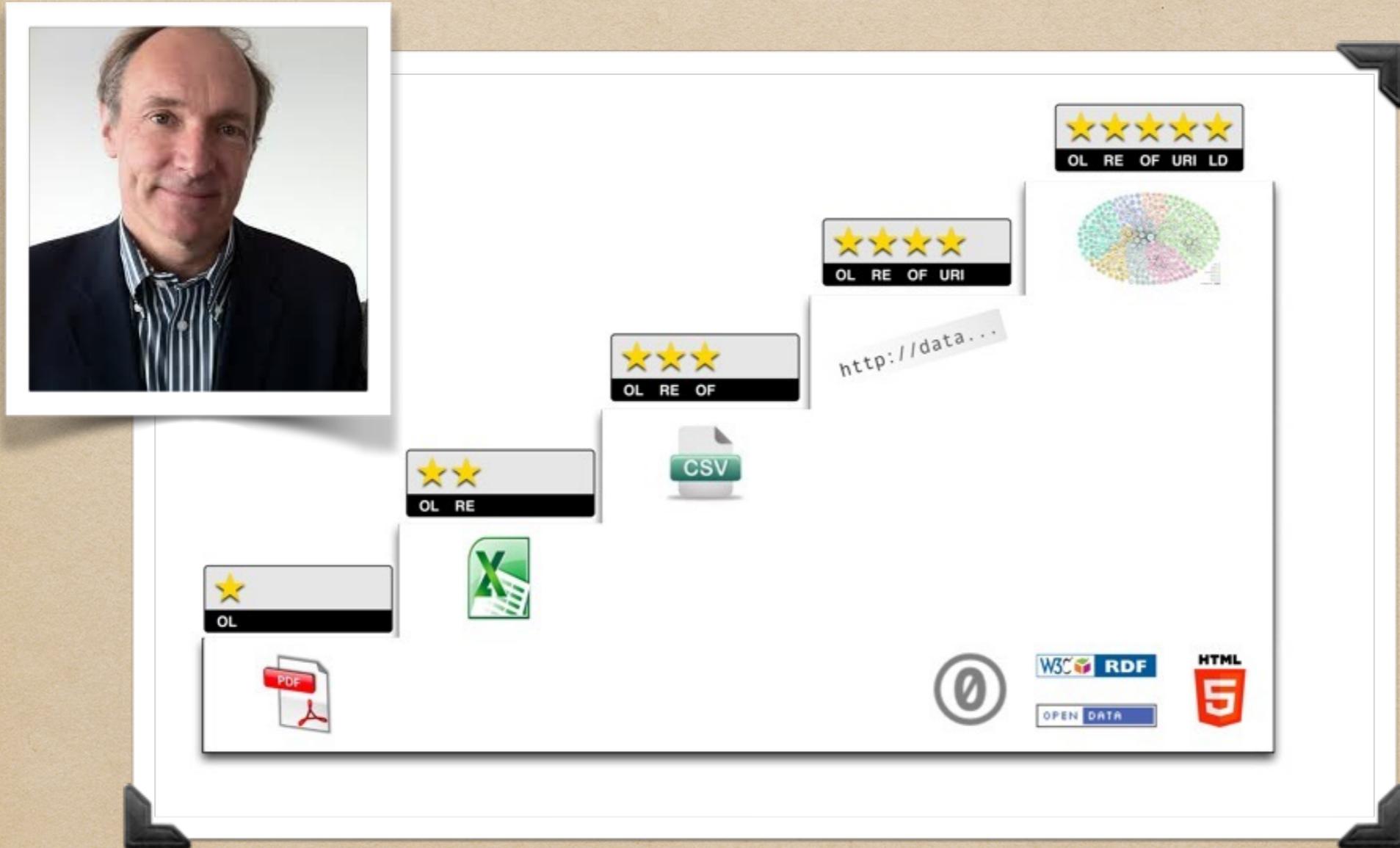
A screenshot of the Open Government Licence page. It features the Royal Coat of Arms logo and the text 'Open Government Licence for public sector information'. It includes a note that users are encouraged to use and re-use the information freely and flexibly with only a few conditions. Below this, there are sections for 'Using information under this licence', 'You are free to:', 'You must, where you do any of the above:', and a note about multiple providers. A small note at the bottom right says 'delivered by The National Archives'.

## Open Data Commons

<http://opendatacommons.org/licenses/>

A screenshot of the Open Data Commons 'Licenses' page. It features a navigation bar with 'Home', 'Licenses', 'Norms', 'FAQ', 'News', and 'About'. The main content area has sections for 'Legal tools for Open Data', 'Licenses' (listing PDDL, ODC-By, and ODC-ODbL), 'Applying a License' (with instructions), 'Questions or suggestions? There is:' (with links to a License FAQ and a mailing list), and 'Meta' (with a note about the site being an Open Knowledge Foundation project). A footer at the bottom states 'An Open Knowledge Foundation project. Site content licensed under a Creative Commons Attribution license.'

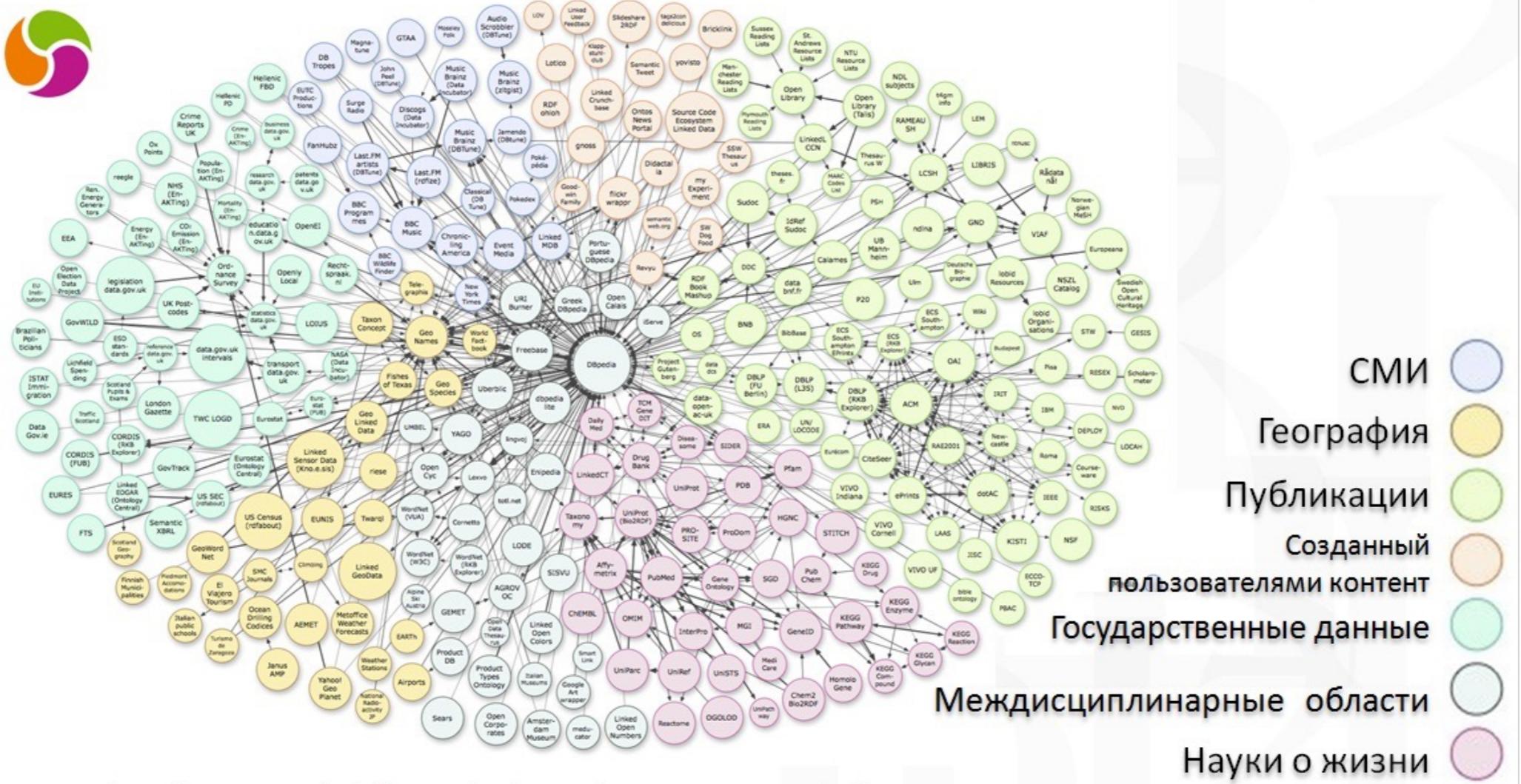
# 5 star Open Data Model



<http://5stardata.info/>, <http://www.w3.org/DesignIssues/LinkedData.html>

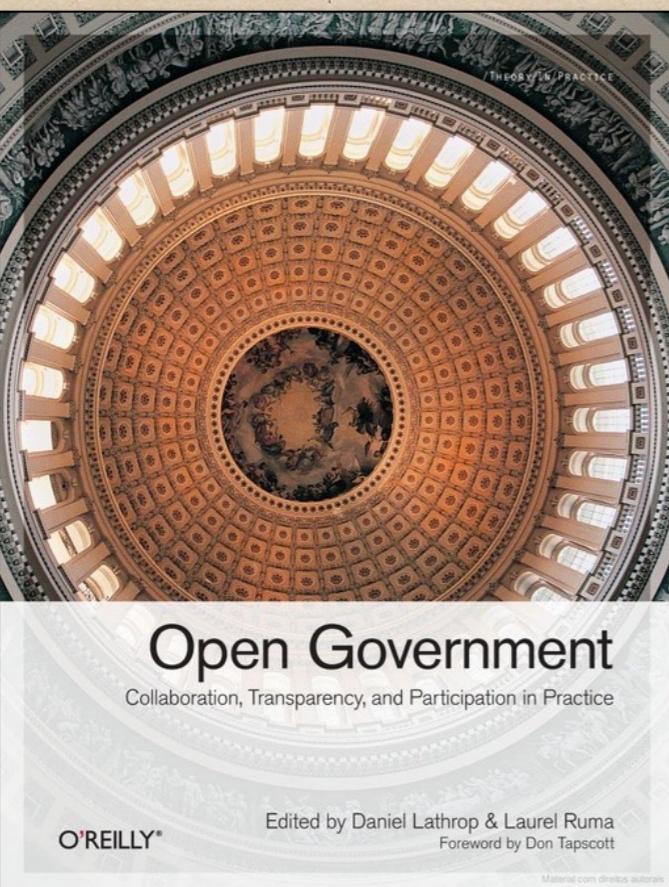
# Linked Open Data Cloud

Облако наборов LOD охватывает около более 30 миллиардов триплетов и 500 миллионов связей



Источник: <http://www.w3.org/wiki/SweoIG/TaskForces/CommunityProjects/LinkingOpenData>

# Open Data for Open Government



Collaboration

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Transparency

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Participation

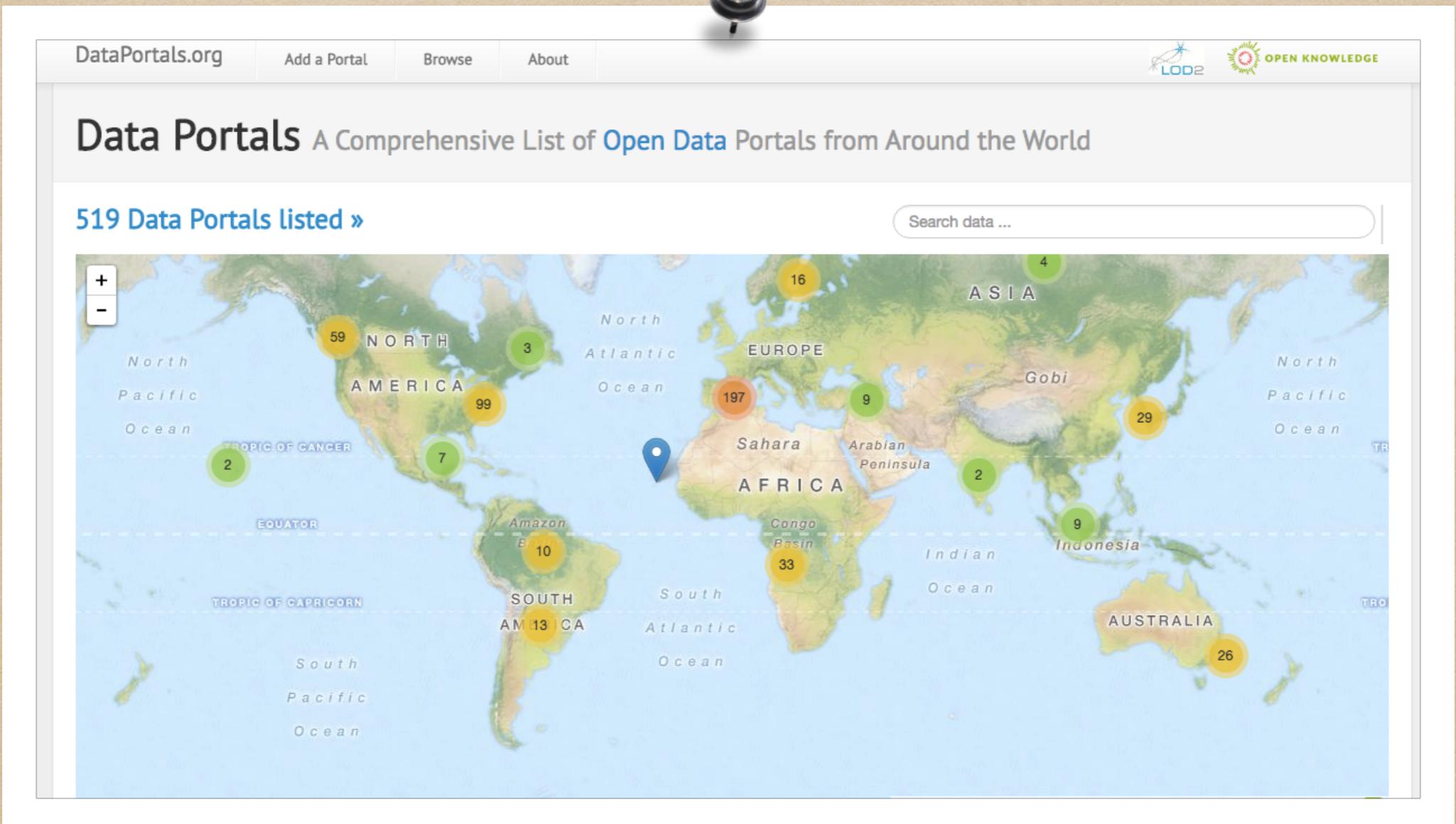
# Open Data Portals



The screenshot shows the homepage of the Datahub website. At the top, there is a dark navigation bar with the Datahub logo, a search bar, and links for Log in and Register. Below the navigation bar, there is a large, colorful bar chart with orange and yellow peaks. To the right of the chart, there is a dataset card for "Simene Census Division Boundary File". The card includes a preview of the data, download links for CSV and RDF formats, and a five-star rating. Below the chart, there are two main sections: "Give your data a home" and "Find data". The "Give your data a home" section encourages users to publish datasets and manage groups. The "Find data" section provides a search bar. At the bottom of the page, there is a banner for "the free, powerful data management platform from the Open Knowledge Foundation". Below the banner, there is a "Popular Tags" section with a list of tags like "lod", "publications", "format-rdf", "Senegal", "ANSD", "menages", "donnees", and "published-by-third...". At the very bottom, there are links for "About the Datahub" and "CKAN API", along with a "Powered by ckan" logo.

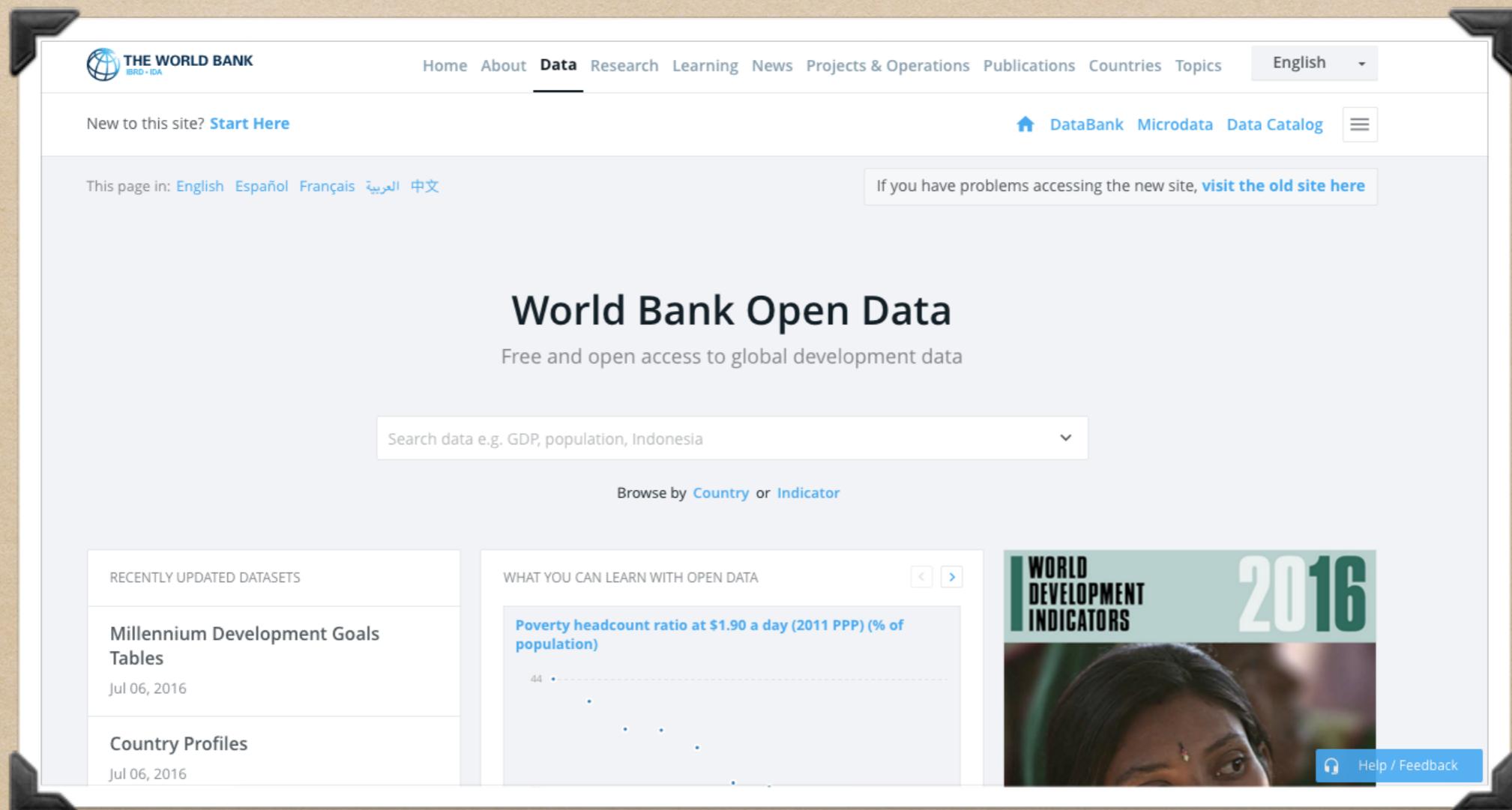
<https://datahub.io/>

# Open Data Portals Catalog



<http://dataportals.org/>

# Open Data Portal of World Bank



The screenshot shows the homepage of the World Bank Open Data portal. At the top, there is a navigation bar with links for Home, About, Data (which is highlighted), Research, Learning, News, Projects & Operations, Publications, Countries, Topics, and a language selector set to English. Below the navigation bar, there is a message for new users: "New to this site? [Start Here](#)". On the right side of the header, there are links for DataBank, Microdata, and Data Catalog, along with a menu icon. A note below the header says: "If you have problems accessing the new site, [visit the old site here](#)". In the center, the main title "World Bank Open Data" is displayed, followed by the subtitle "Free and open access to global development data". Below the subtitle is a search bar with the placeholder "Search data e.g. GDP, population, Indonesia". To the right of the search bar is a link to "Browse by Country or Indicator". On the left, there is a sidebar titled "RECENTLY UPDATED DATASETS" which lists "Millennium Development Goals Tables" (Jul 06, 2016) and "Country Profiles" (Jul 06, 2016). In the center, there is a section titled "WHAT YOU CAN LEARN WITH OPEN DATA" showing a chart for "Poverty headcount ratio at \$1.90 a day (2011 PPP) (% of population)". To the right, there is a large image for the "WORLD DEVELOPMENT INDICATORS 2016" report, featuring a woman's face. At the bottom right of the page is a "Help / Feedback" link.

<http://data.worldbank.org/>

# Open Data Portal of OECD



The screenshot shows the homepage of the OECD Data portal. At the top, there is a navigation bar with links for "OECD.org", "Data", "Publications", "More sites", "News", and "Job vacancies". Below the navigation bar, the main header reads "OECD Data" with a subtitle "Find, compare and share the latest OECD data: charts, maps, tables and related publications ...". A search bar is located below the subtitle. To the right of the search bar, there are buttons for "topic" and "country" with dropdown menus. Below the search area, there is a section titled "OECD Data" and a "Featured Charts" section. The "Featured Charts" section contains a chart titled "Real GDP forecast Total, Annual growth rate (%), 2017" showing projected growth rates for various countries. To the right of the chart, there are sections for "Latest news", "Statistical news releases", "Compare your income", "Statistical resources", and "Database access".

OECD.org Data Publications More sites News Job vacancies

OECD Data

Find, compare and share the latest OECD data: charts, maps, tables and related publications ...

Search

Browse by topic or country

Search tips Catalogue of OECD databases

OECD Data

Featured Charts

Weak trade growth, sluggish investment, subdued wages and slower activity in key emerging markets will all contribute to modest global GDP growth of 3% in 2016, improving to 3.3% in 2017.

Real GDP forecast Total, Annual growth rate (%), 2017

Country	Annual growth rate (%)
Australia	~7.5
China	~6.5
United States	~3.5
Germany	~3.0
France	~2.5
Japan	~2.0
United Kingdom	~1.5
Canada	~1.5
Switzerland	~1.5
South Korea	~1.5
Ireland	~1.5
Netherlands	~1.5
Portugal	~1.5
Greece	~1.5
Hong Kong	~1.5
Malta	~1.5
Chile	~1.5
Poland	~1.5
Latvia	~1.5
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# Open Data Portal of USA

A screenshot of the Data.gov website, which is the home of the U.S. Government's open data. The page features a prominent blue header with the text "The home of the U.S. Government's open data". Below the header, there is a search bar labeled "Search Data.gov" and a "GET STARTED" button with the text "SEARCH OVER 183,946 DATASETS". The main content area includes a "BROWSE TOPICS" section with icons and links for Agriculture, Business, Climate, Consumer, Ecosystems, Education, and Energy.

<https://www.data.gov/>

# Open Data Portal of Great Britain

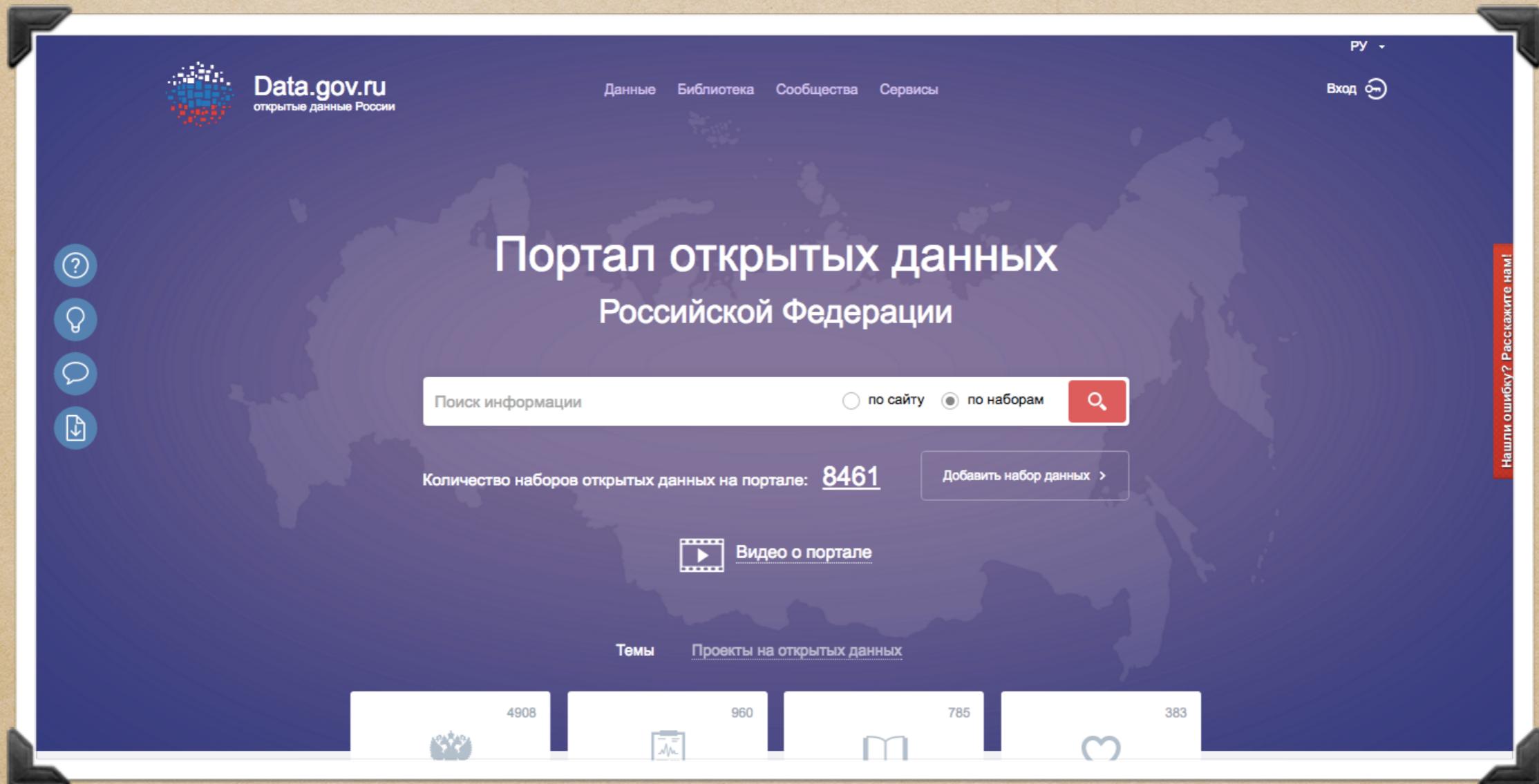
The screenshot shows the homepage of the DATA.GOV.UK Beta website. The header features the logo 'DATA.GOV.UK Beta' with the tagline 'Opening up Government'. The navigation menu includes 'Home', 'Data', 'Apps', and 'Interact', along with a search bar and user icons.

The main content area is divided into several sections:

- NII**: A large graphic with the letters 'NII' in bold black font. Below it, the text reads: 'The National Information Infrastructure exemplars work'.
- Open Data Camp**: An image of a pyramid made of binary code (0s and 1s) with the text 'Open Data Camp' overlaid at the base.
- RELEASE OF DATA FUND**: A large graphic with the text 'RELEASE OF DATA FUND' in bold black font.
- Good stuff continued.....**: A placeholder text entry.
- One small step for local...**: A placeholder text entry.
- Defra announces major open data programme**: Includes the Department for Environment Food & Rural Affairs logo and text.
- Kicking off the Open Government Project**: Includes the Open Government Partnership logo and text.
- Data packages for bulk downloads**: Includes a ZIP file icon and text.

<https://data.gov.uk/>

# Open Data Portal of Russia



<http://data.gov.ru/>

# Tim Berners-Lee on TED



[https://www.ted.com/talks/tim\\_berners\\_lee\\_on\\_the\\_next\\_web?language=en](https://www.ted.com/talks/tim_berners_lee_on_the_next_web?language=en)

# Tim Berners-Lee on TED



[https://www.ted.com/talks/tim\\_berners\\_lee\\_on\\_the\\_next\\_web?language=en](https://www.ted.com/talks/tim_berners_lee_on_the_next_web?language=en)

# Questions?



<http://iRadche.ru>

<http://about.me/Irina.Radchenko>

<http://DataDrivenJournalism.ru>



 @iRadche

 <https://github.com/iRadche>

 <https://www.facebook.com/iRadche>

 <http://www.slideshare.net/iRadche>