



WORLD WIDE WEB
FOUNDATION

Advance the Web to
Empower People

Open Data

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Muscat, Oman
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- Mission:
Advance the Web to Empower People
- Founder: Tim Berners-Lee
- Launched: Nov 2009
- Initial Projects
 - Agriculture, Open Data, Entrepreneurship, Web Index
 - Mobile and voice Web



- Innovative approach to governance and government services (eGov → oGov)
- Cooperation among politicians, public administration, industry and citizens by enabling more **transparency, democracy, participation and collaboration.**
- Some of the most important enablers for Open Government are **free access to information** and the possibility to **freely use and re-use information** (e.g. data, content, etc).

U.S. Open Government Initiative (2009)



My Administration is committed to creating an unprecedented level of openness in Government. We will work together to ensure the public trust and establish a system of transparency, public participation, and collaboration. Openness will strengthen our democracy and promote efficiency and effectiveness in Government.

– PRESIDENT OBAMA, 01/21/09



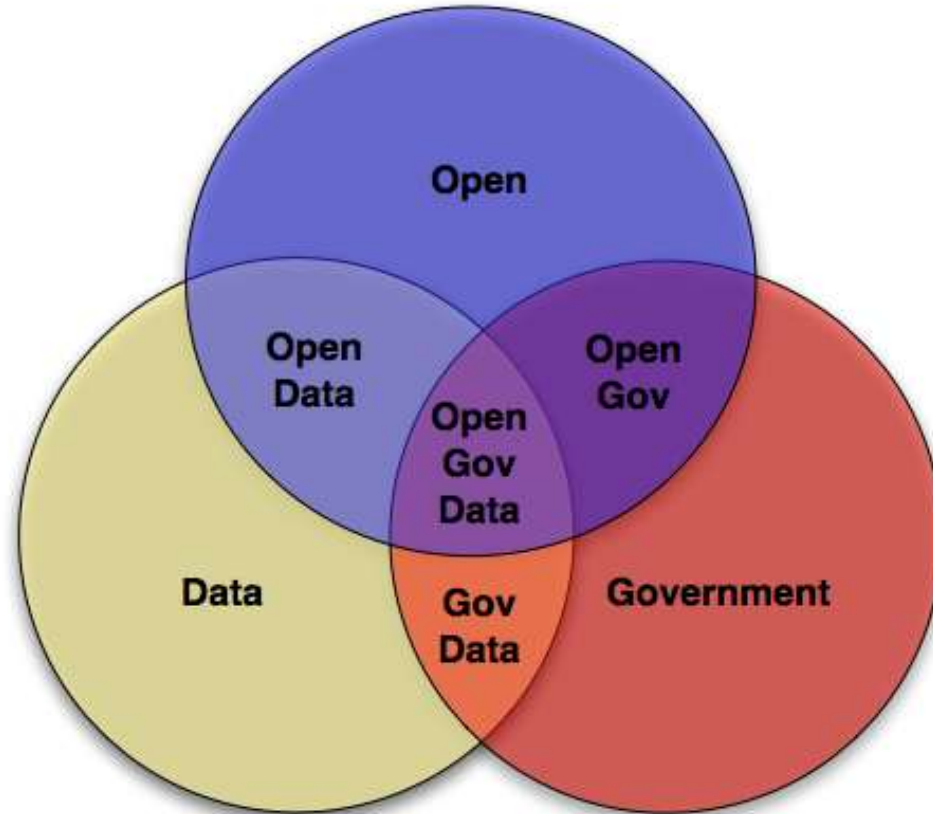


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PHILIPPINES • SOUTH AFRICA • UNITED KINGDOM • CANADA • GHANA
ALBANIA • AZERBAIJAN • PERU • BULGARIA • CHILE • COLOMBIA
KENYA • CROATIA • CZECH REPUBLIC • DOMINICAN REPUBLIC

SEPTEMBER 2011: **46 COMMITMENTS TO OPEN GOVERNMENT**

EL SALVADOR • ESTONIA • GEORGIA • GUATEMALA • SPAIN • ITALY
HONDURAS • ISRAEL • JORDAN • LATVIA • LIBERIA • LITHUANIA
MACEDONIA • MALTA • MONGOLIA • MONTENEGRO • URUGUAY
MOLDOVA • NETHERLANDS • REPUBLIC OF KOREA • ROMANIA
SLOVAK REPUBLIC • SWEDEN • TANZANIA • TURKEY • UKRAINE

58 Members to date



CC-BY Justin Grimes

- Data sets or information sets produced or commissioned by government or government controlled entities.
 - Can be freely used, reused and redistributed by anyone
 - Making it available in open formats, reusable by third parties, that can be understood by machines and people
 - No personal data, no security data
- Open Government Data (OGD) is often seen as a foundational pillar of Open Government.

Open Government Data Principles



1. Completeness
2. Primacy
3. Timeliness
4. Ease of Physical and Electronic Access
5. Machine readability
6. Non-discrimination
7. Use of Commonly Owned Standards (e.g. open formats)
8. Licensing
9. Permanence
10. Usage Costs

<http://www.opengovdata.org/home/8principles>

<http://sunlightfoundation.com/policy/documents/ten-open-data-principles/>

Data.gov and Data.gov.uk (2009)



FRIDAY, FEBRUARY 12, 2010 Text: A+ A- A

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Unlocking innovation

Working with UK Public
Sector information and data

Advised by Sir Tim Berners-Lee and Professor Nigel Shadbolt and others, government is opening up data for reuse. This site seeks to give a way into the wealth of government data and is under constant development. We want to work with you to make it better.

We're very aware that there are more people like you outside of government who have the skills and abilities to make wonderful things out of public data. These are our first steps in building a collaborative relationship with you.

Latest news:

- enrolment for data.gov.uk [community](#) now open
- [enhancements](#) to data.gov.uk

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Community
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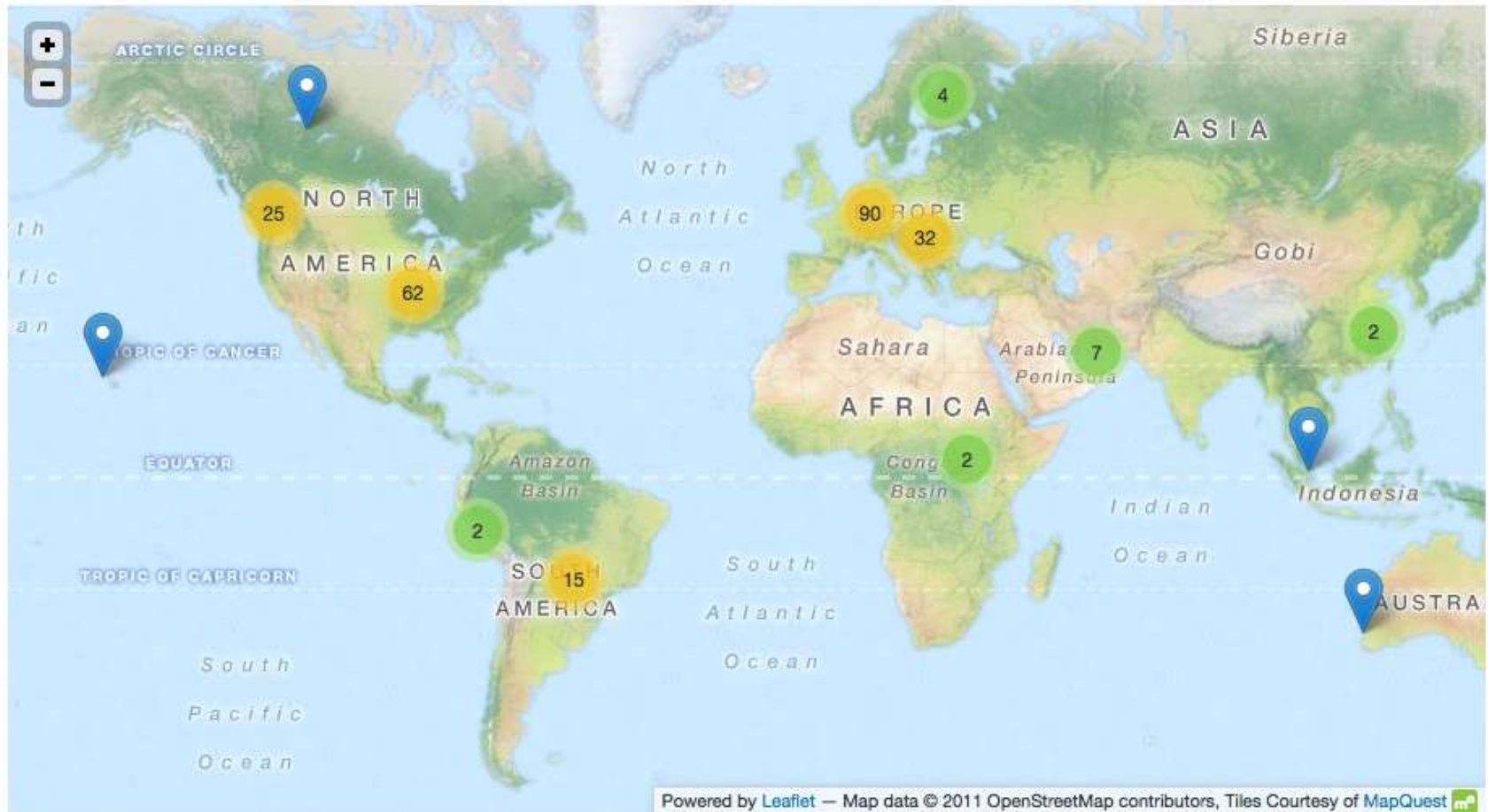
What is the Semantic Web?

Combining different data sources has never been easy but the Semantic Web will enable data to be joined easily across boundaries.

[Read more](#)

But Also Elsewhere

Total datastores in catalog **281**



<http://datacatalogs.org>

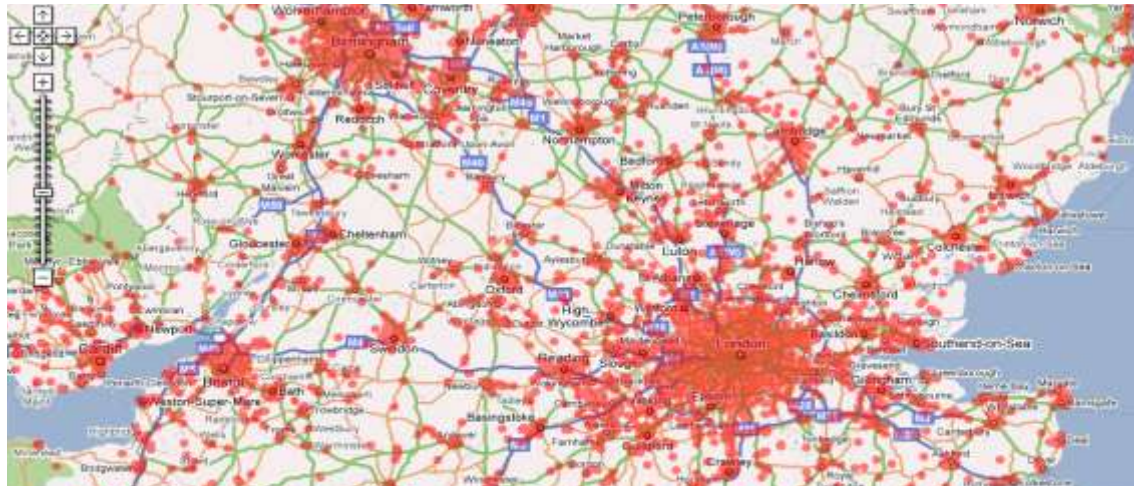


- EU Strategy: “Turning data into gold”
 - Estimated market size (EU27): €140 Billion/year
 - €100 Million for Open Data related activities in EC funded R&D projects
 - 2012 - Launch of EC Open Data Portal (Data & Information of EC departments)
 - 2013 - Launch of a Pan-European Data Portal (Single Point of Access to Open Data of EU27)

Bicycle Accidents (UK)

Government has records on where, when
Innovative applications from civil society

- Mapping = reusing the data in a meaningful way to people
- Routes = the safest paths for cyclers



Quality of Life (Australia)



OKtravel

you are here - ok - science - education

ENTER A VICTORIAN POSTCODE GO!

YESODAI HATORAH COLLEGE

POPULAR RELIGIONS IN THIS REGION

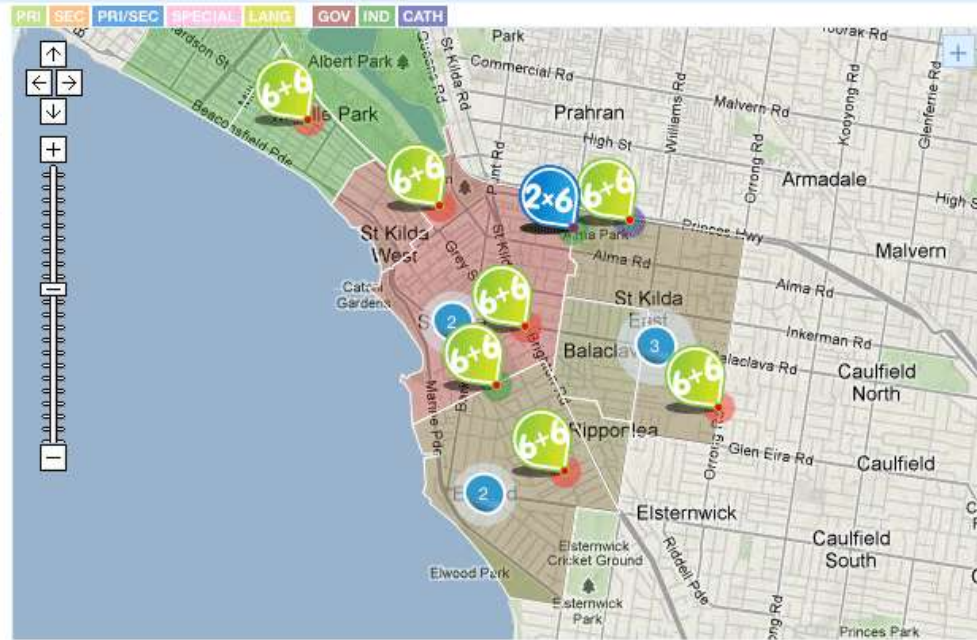


INCOME BREAKDOWN IN THIS REGION



SCHOOL EXPLORER CLIFF NOTES

Click a school marker on the map. A chart will open up, along with a KML file describing how family dense the towns are. Green describes a town filled with families, while red describes a town with less. A series of connections is displayed to other schools via emergency services. Family related statistics are then compared to the average across the region. You can filter schools using the colour chart key. Charts usually display statistics when rolled over. If possible, they are also broken down by gender.



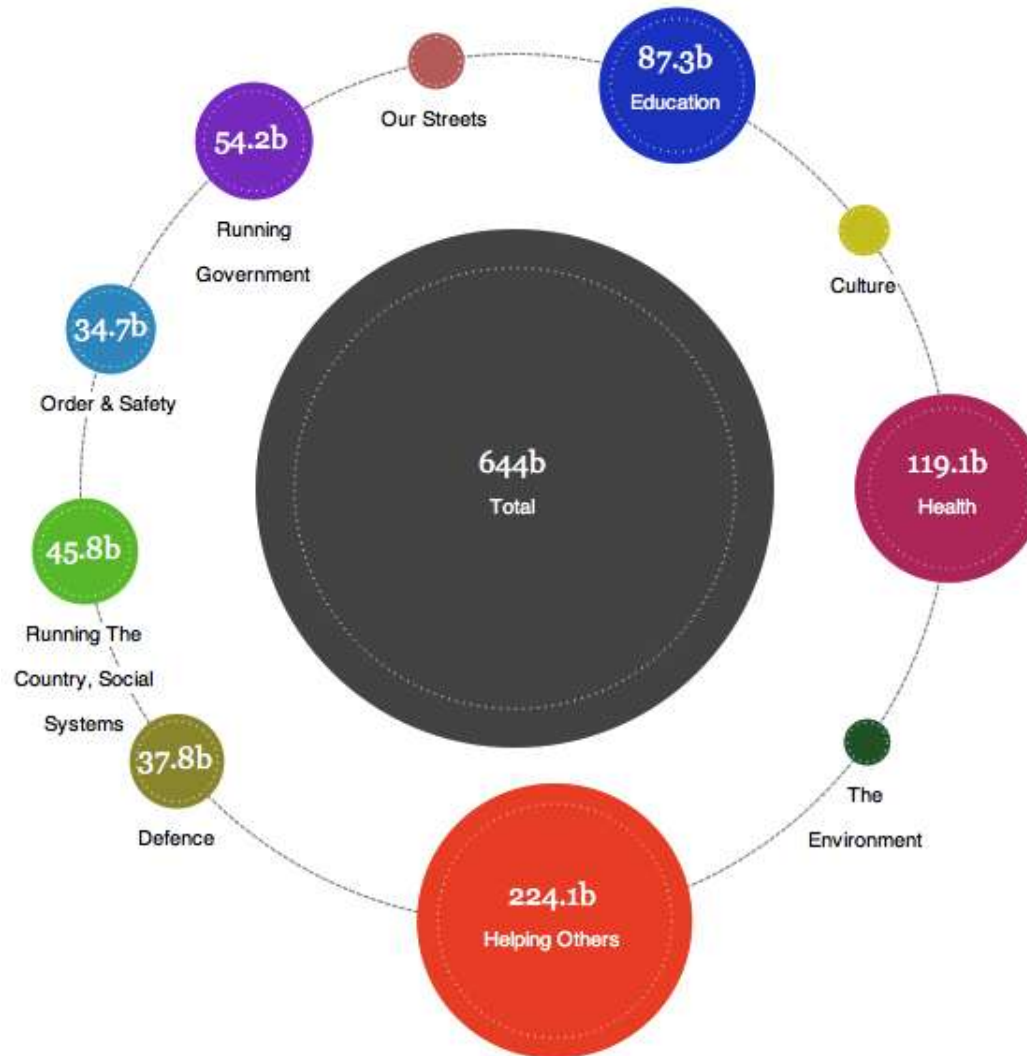
POWERED BY Google

AGE 35 WAGE \$769 DEBT \$438 HOME \$750,000 RENT \$250

Map data ©2010 MapData Sciences Pty Ltd, PSMA - Terms of Use ELWOOD AVERAGES FROM THE 2006 AUSTRALIAN CENSUS

<http://www.oktravel.com.au/science/education/>

Budget (UK and elsewhere)



<http://wheredoesmymoneygo.org/>

Accountability (Kenya)



County Scorecard

Of Concrete Numbers and Beautiful Data..

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Governor Track Record

To get a feel of what impact and headlines your Governor is making, take a look at the numbers. They don't lie. Coming Soon... We have a lot of great features we are coming up with to help you gather a track record of any Governor but for now take a look at the Kenya Hansards; the official documentation of Parliament sessions and see what Members of Parliament have been up to. >> Go To Hansard on Google Books << And just...

<http://countyscorecard.on.co.ke/>

Civic reporting (Kenya, Mozambique)



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Jamaame Kismayo
Musoma Serengeti National Park Mwanza Tsavo East National Park
Nairobi

Map Satellite

Quick filter : Today | Past 1 week | **Past 1 month** | Past 3 months | Past 6 months | Past 1 year
How to report SMS: 3018, Email: info@huduma.or.ke, Twitter: @HudumaKE | #huduma_ke

Welcome

The Huduma platform was built for information collection and interactive mapping

[Read more](#)

Education



41

REPORTS ON
Education



100%

REPORTS ON
TEACHER

RESPONDED	3%
UNRESOLVED	99%
RESOLVED	2%

[Click to view full report on Education](#)

<http://huduma.info/>

(Promised) Open Data Benefits



- Increased transparency of governments
- Increased internal government efficiency and effectiveness
- Increased citizen participation and inclusion through extended offers of services closer to people's needs
- Increased number of services to people due to an increased base of potential service providers
- New business opportunities and jobs for application and service developers
- New synergies between government, public administration and civil society organizations
- New innovative uses of OGD that can help spur innovation and development in the IT sector

Benefits - Examples at a Glance



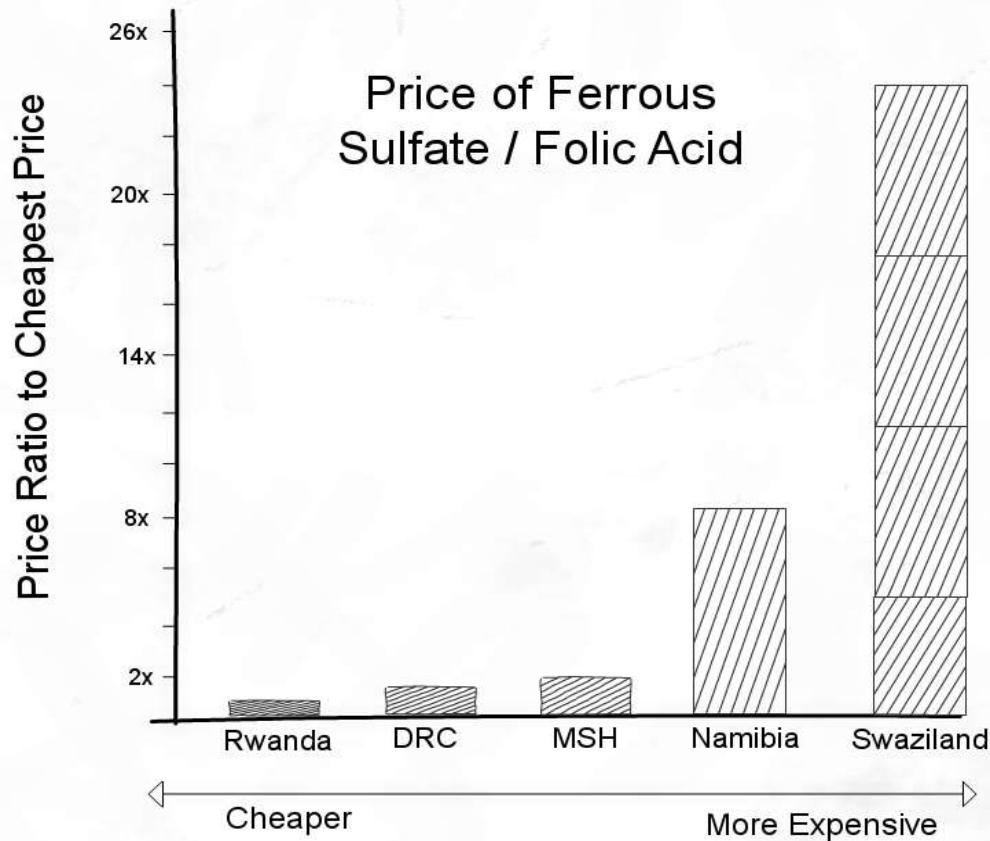
- Since Danish Enterprise and Construction Authority (DECA) stopped charging for data, the number of re-users went up by 10,000% leading to a re-use market growth of 1,000% over eight years.
- A \$3.2 Billion tax evasion fraud was exposed in 2011 in Canada when financial data was made publicly available.
- The UK published the locations of all the public transport stops, 400k; the public started to report missing and wrongly located ones
- Death rates in coronary artery (heart) surgery have fallen by 21% in 5 years in the UK

- Premium or Freemium Productz / Services. HospitalRegisters.com
- Open Source. OpenCorporates and OpenPolis
- Infrastructural Hosting and Services. Public Data Sets on Amazon Web Service
- Demand-Oriented Platform. DataMarket and Infochimps
- Supply-Oriented Platform. Socrata and Microsoft Open Government Data Initiative
- Free, as Branded Advertising. IBM City Forward, IBM Many Eyes or Google Public Data Explorer
- White-Label Development.

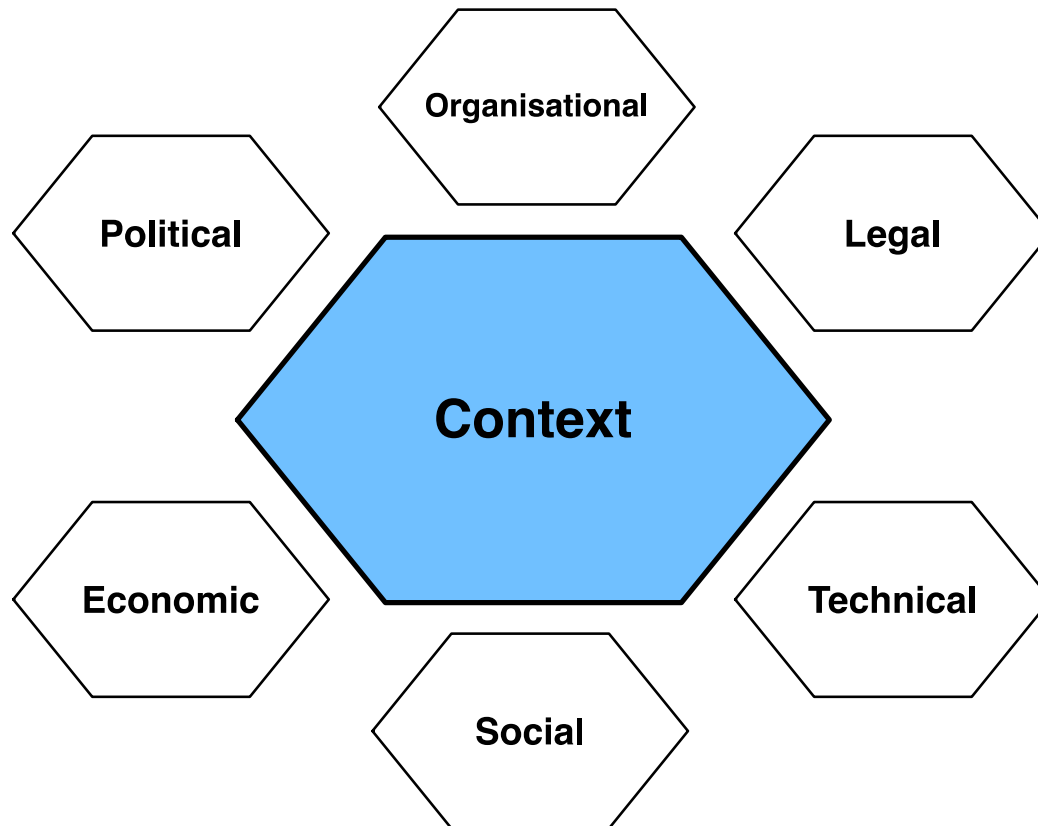
Adapted from: Open data economy: 8 business models for open data

A “special” example

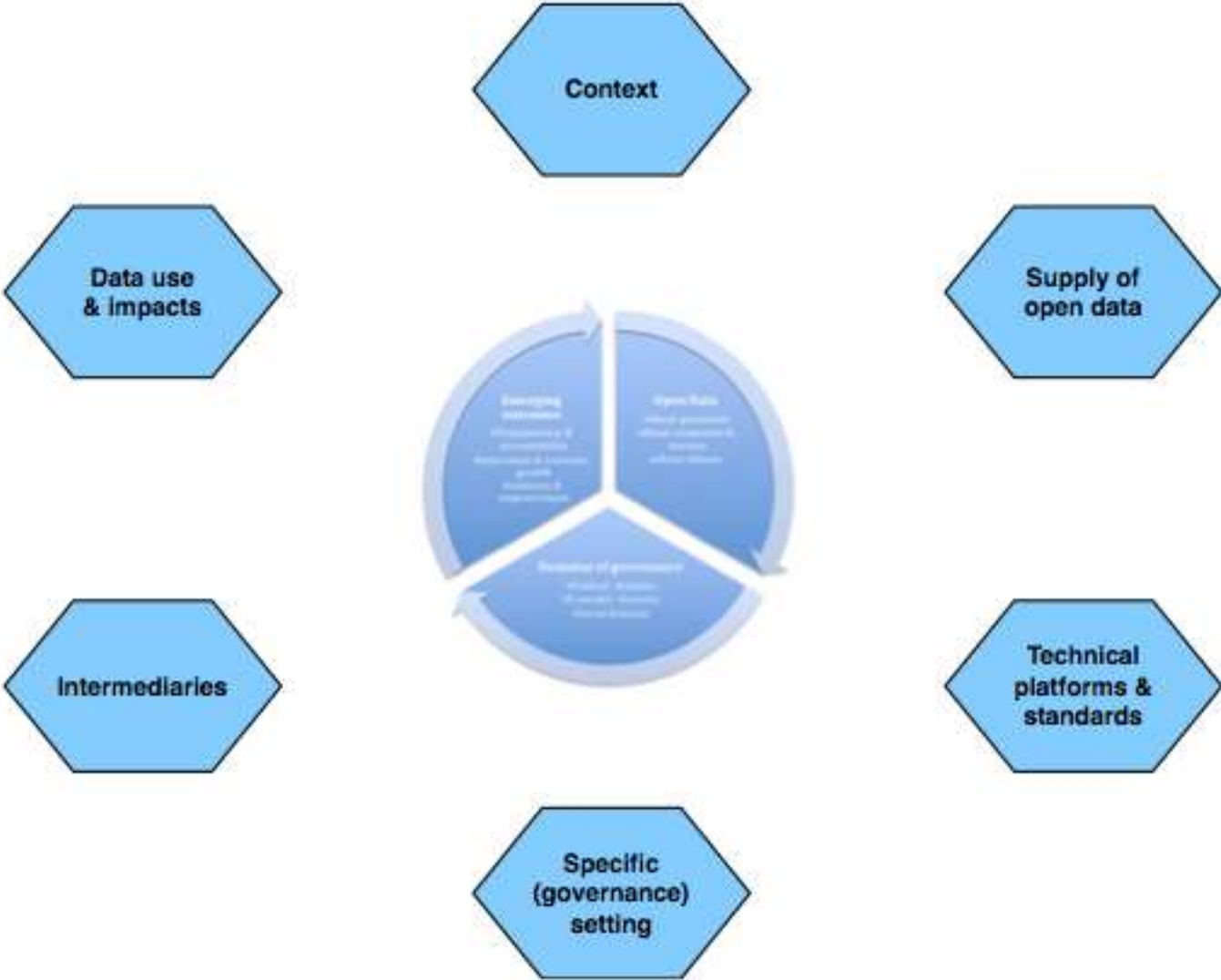
25x is difficult to justify when you look at this graph



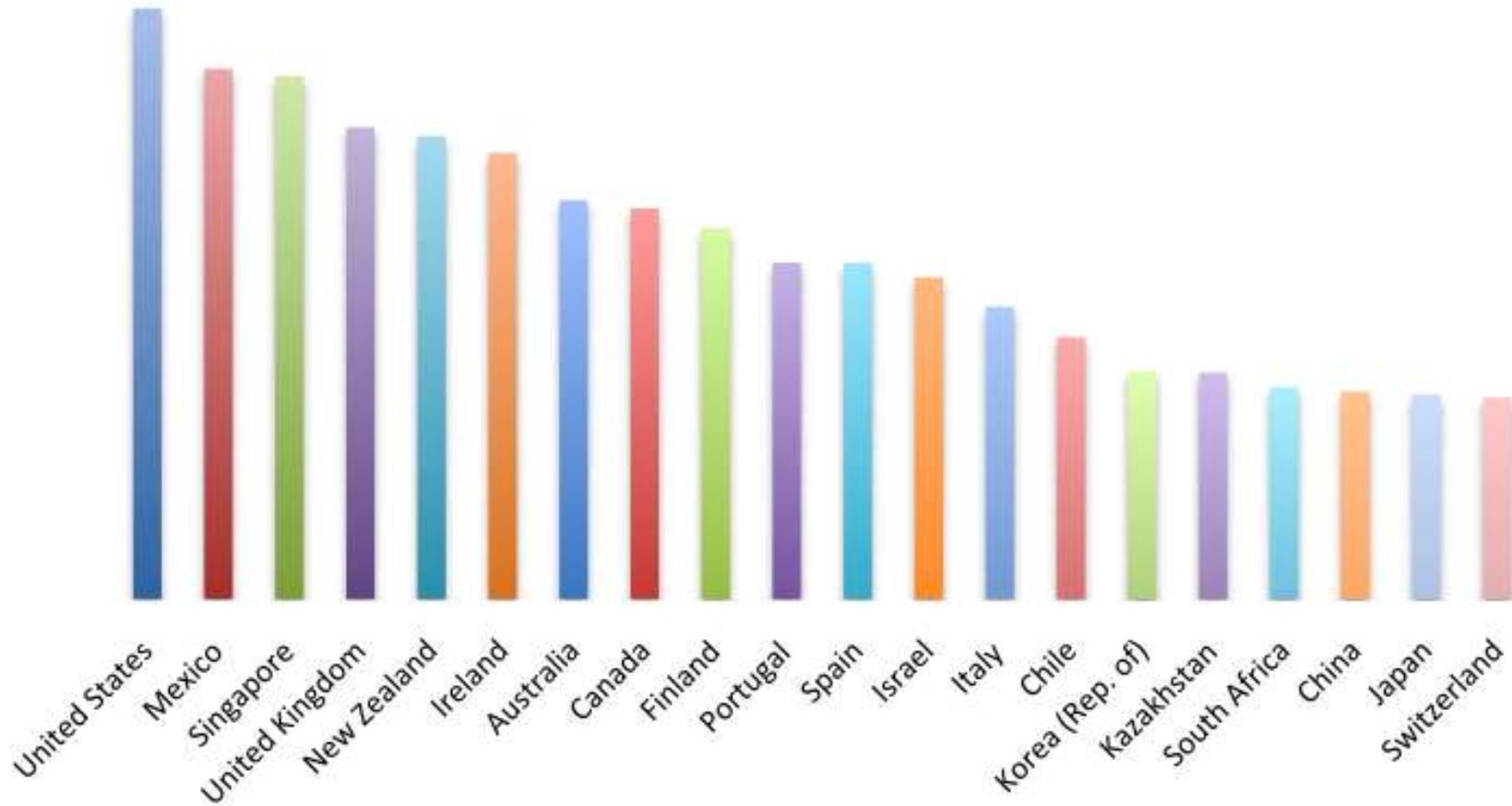
via Adi Eyal ([SARPAM Infohub](#))



Open Data: Impact Framework



Open Data Index



Combined Action (Ghana)



Combined Action (Ghana)



Combined Action (Ghana)



Combined Action (Ghana)



Combined Action (Ghana)



Combined Action (Ghana)

REPUBLIC OF GHANA


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Ghana Open Data Initiative Open Data Portal *beta*

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Parliament works to pass Right to Information Act to allow greater access to Public Data

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0 High Value Datasets
0 Agencies/Organizations Participating

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COMMUNITY



Come explore, discuss, meet others in the same field. Develop Apps, create visualization on datasets for the community.

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Accountability Funnel

Transparency

Participation

Accountability



Credit: Archon Fung. From presentation at Open Data Research workshop, Boston, October 4th 2012.
<http://www.opendataresearch.org/post/33702670956/before-the-proposal-assessment-workshop-for-the>

~~Assessability~~ **Usefulness** Funnel

Transparency

Participation

Accountability

Lots of Data Sets

Real engagement &
participation with some
of those data sets

Account-
ability in
few cases

Credit: Archon Fung. From presentation at Open Data Research workshop, Boston, October 4th 2012.
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