



Open Data

a brief introduction

Open Data

- **Definitions**
- **Why**
- **How**
- **Licenses**
- **The Public Administrations**
- **OKFN support**
- **Discussion:**
**open data and P.A. organizational
change**

DEFINITIONS

Definitions (DATA)



single pieces
of information
of every nature

- descriptions of facts
- reproducible without ambiguities
- parts of larger information or knowledge structures
- can be expressed and stored in digital formats

Data → Information → Knowledge → Wisdom

Definitions (OPEN)

W <http://en.wiktionary.org/wiki/open>

Bookmark on freelish... [MarkUp](#) [Drag this bookmarkle...](#) [Facebook](#) browser toolbar [Most Visited](#) [Getting Started](#)

Norsk (bokmål)
Norsk (nynorsk)
Occitan
Polski
Português
Русский
Simple English
Suomi
Svenska
தமிழ்
ଓয়েন
ଓয়েন
Türkçe
Українська
Tiếng Việt
中文

Feedback
Submit anonymous feedback about Wiktionary:
Good Bad Messy

Etymology
Old English *open*, from Proto-Germanic **upanaz* (compare Old High German *offan* ("open")), from Proto-Indo-European **up-*

Adjective
open (*comparative more open, superlative most open*)

1. (*not comparable*) Which is not *closed*; accessible; unimpeded; as, an open gate.
Turn left after the second open door.
[quotations ▾]
It was as if his body had gone to sleep standing up and with his eyes open.
2. (*not comparable*) Actively conducting or prepared to *conduct business*.
Banks are not open on bank holidays.
3. (*comparable*) Receptive.
I am open to new ideas.
4. (*not comparable*) Public; as, an open letter, an open declaration.
He published an open letter to the governor on a full page of the New York Times.
5. (*not comparable*) Candid, ingenuous, not subtle in character;
The man is an open book.
6. (*mathematics, logic, of a formula*) Having a *free variable*.
7. (*mathematics, topology, of a set*) Is part of a predefined collection of subsets of *X*, that defines a topological space
8. (*computing, not comparable, of a file, document, etc.*) In current use; mapped to part of *memory*.
I couldn't save my changes because another user had the same file open.



Open Knowledge Foundation



Open Definition

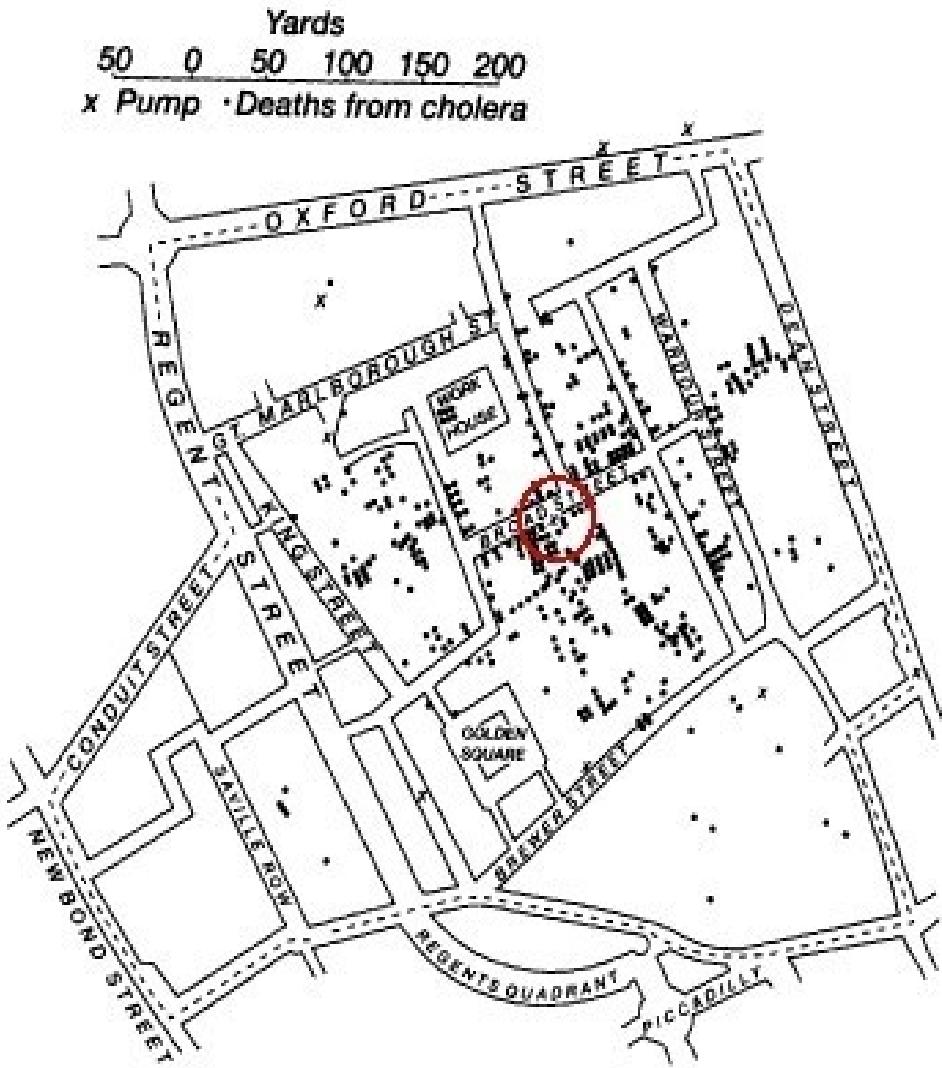
Defining the Open in Open Data, Open Content and Open Services

“A piece of content or data is open if anyone is free to use, reuse, and redistribute it — subject only, at most, to the requirement to attribute and share-alike.”

<http://www.opendefinition.org/okd/>

WHY?

... it is an old story :)



John Snow

Dr John Snow

Born 15 March 1813
York, England

Died 16 June 1858 (45 years)

Citizenship British

Fields epidemiology

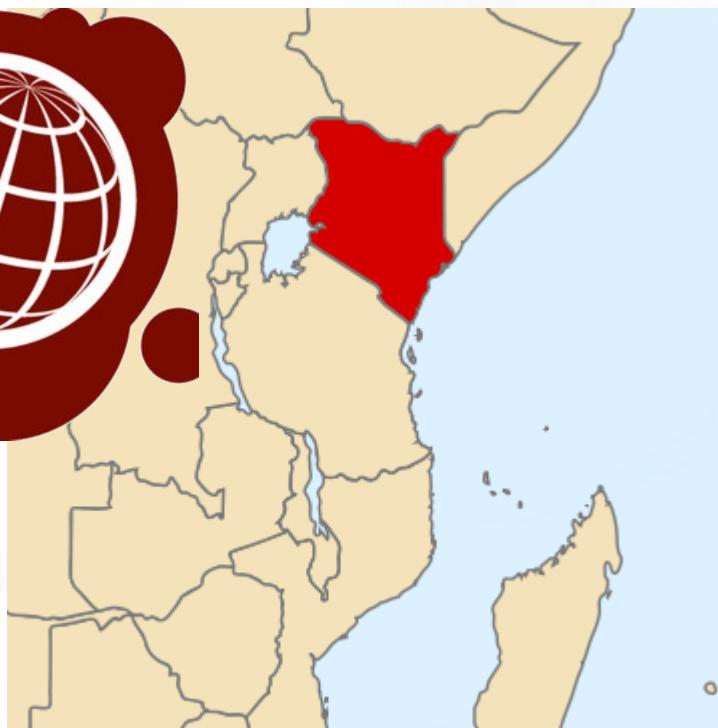
Known for Anaesthesia, locating source of a cholera outbreak, thus establishing the link between this infection and water as its vector.

Ushahidi e Haiti



Ory Okolloh

*Attivista, avvocato, e
blogger kenyota*



The power of data

Data



Information



Presentation



Knowledge



EpicGraphic.com

Transparency and Open Government



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.

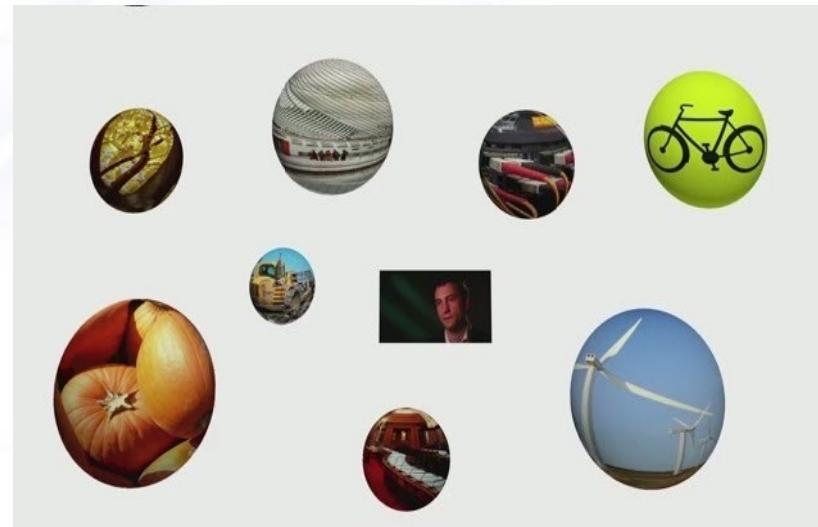
Transparency and Open Government Memorandum for the Heads of Executive Departments and Agencies (2009)

Now ...



<http://www.trentinoopendata.eu>

Open [...] Data



<http://opengovernmentdata.org/film/>



Open Community Data

http://www.ted.com/talks/lang/eng/tim_berners_lee_the_year_open_data_went_worldwide.html



HOW?

The correct way



The Open Data Manual

This report discusses legal, social and technical aspects of open data. The manual can be used by anyone but is especially designed for those seeking to **open up** data. It discusses the **why, what and how** of open data – why to go open, what open is, and the how to ‘open’ data.

To get started, you may wish to look at the [Introduction](#). You can navigate through the report using the Table of Contents (see sidebar or below).

We warmly welcome comments on the text and will incorporate feedback as we go forward. We also welcome contributors or suggestions for additional sections and areas to examine.

Table Of Contents

The Open Data Manual

- [Table of Contents](#)
- [Indices and tables](#)
- [Meta](#)

Related Topics

Documentation overview

- [Next: Introduction](#)

This Page

Show Source

Quick search

Go

Enter search terms or a module, class or function name.

The screenshot shows the Table of Contents page with a yellow background. The main navigation links are visible on the left, and the content area displays the hierarchical structure of the manual. A search bar and a 'Go' button are at the bottom.

- [Introduction](#)
 - [Target Audience](#)
 - [Credits and How to Contribute](#)
 - [Credits and Copyright](#)
 - [Contributors](#)
 - [Why Open Data?](#)
 - [What is Open Data?](#)
 - [What is Open?](#)
 - [What Data are You Talking About?](#)
- [How to Open up Data](#)
 - [Choose Dataset\(s\)](#)
 - Asking the community
 - Cost basis
 - Ease of release
 - Observe peers
 - [Apply an Open License \(Legal Openness\)](#)
 - [Make Data Available \(Technical Openness\)](#)
 - Online methods
 - Offline methods
 - [Make data discoverable](#)
 - Existing tools
 - For government
- [So I've Opened Up Some Data, Now What?](#)
 - [Tell the world!](#)
 - Understanding your audience
 - Post your material on third-party sites
 - Making your communications more social-media friendly
 - Social media
 - [Getting folks in a room: Unconferences, Meetups and Barcamps](#)
 - [Making things! Hackdays, prizes and prototypes](#)
 - Examples for Competitions
 - Conferences, Barcamps, Hackdays
- [Glossary](#)
- [Appendix](#)

• How to Open up Data

◦ Choose Dataset(s)

- Asking the community
- Cost basis
- Ease of release
- Observe peers

◦ Apply an Open License (Legal Openness)

◦ Make Data Available (Technical Openness)

- Online methods
- Offline methods

◦ Make data discoverable

- Existing tools
- For government

• So I've Opened Up Some Data, Now What?

◦ Tell the world!

- Understanding your audience
- Post your material on third-party sites
- Making your communications more social-media friendly
- Social media

◦ Getting folks in a room: Unconferences, Meetups and Barcamps

◦ Making things! Hackdays, prizes and prototypes

- Examples for Competitions
- Conferences, Barcamps, Hackdays

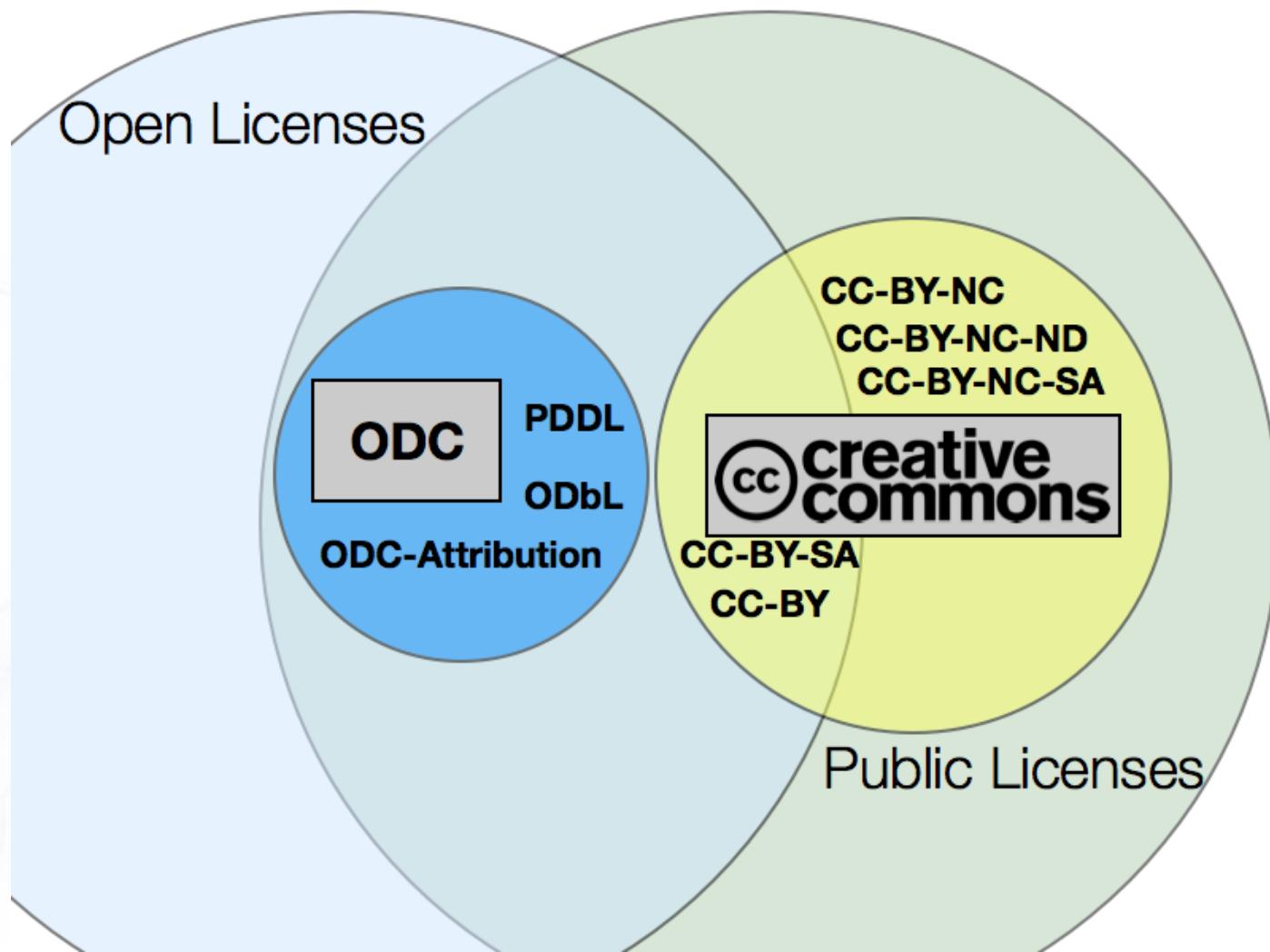
Linked Open Data

- ★ make your stuff available on the Web
(whatever format) under an open license
- ★★ make it available as structured data
(e.g., Excel instead of image scan of a table)
- ★★★ use non-proprietary formats
(e.g., CSV instead of Excel)
- ★★★★ use URIs to identify things, so that people can point at your stuff
- ★★★★★ link your data to other data to provide context

<http://lab.linkeddata.deri.ie/2010/star-scheme-by-example/>

LICENSES

Which license



Open Data Licenses

LICENSE	BY	SA	Comment
Open Data Commons Public Domain Dedication and Licence (ODC PDDL)	N	N	Dedicate to the Public Domain (all rights waived)
Open Data Commons Attribution License	Y	N	Attribution for data(bases)
Open Data Commons Open Database License (ODbL)	Y	Y	Attribution-ShareAlike for data(bases)
Creative Commons CCZero	N	N	Dedicate to the Public Domain (all rights waived)

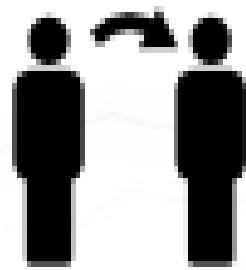
<http://www.opendefinition.org/licenses/>

<http://www.opendefinition.org/guide/data/>

What Legal (IP) Rights Are There in Data(bases)

CC0 / ODC PDDL

PERMISSIONS



SHARE



CREATE



ADAPT

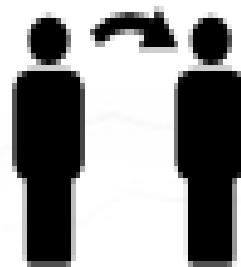
CONSTRAINTS



NOTHING

ODC AL

PERMISSIONS



SHARE



CREATE



ADAPT

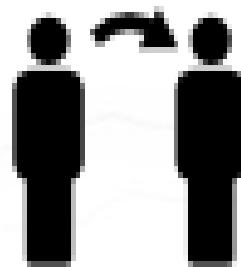
CONSTRAINTS



ATTRIBUTION

ODbL

PERMISSIONS



SHARE



CREATE



ADAPT

CONSTRAINTS



ATTRIBUTION

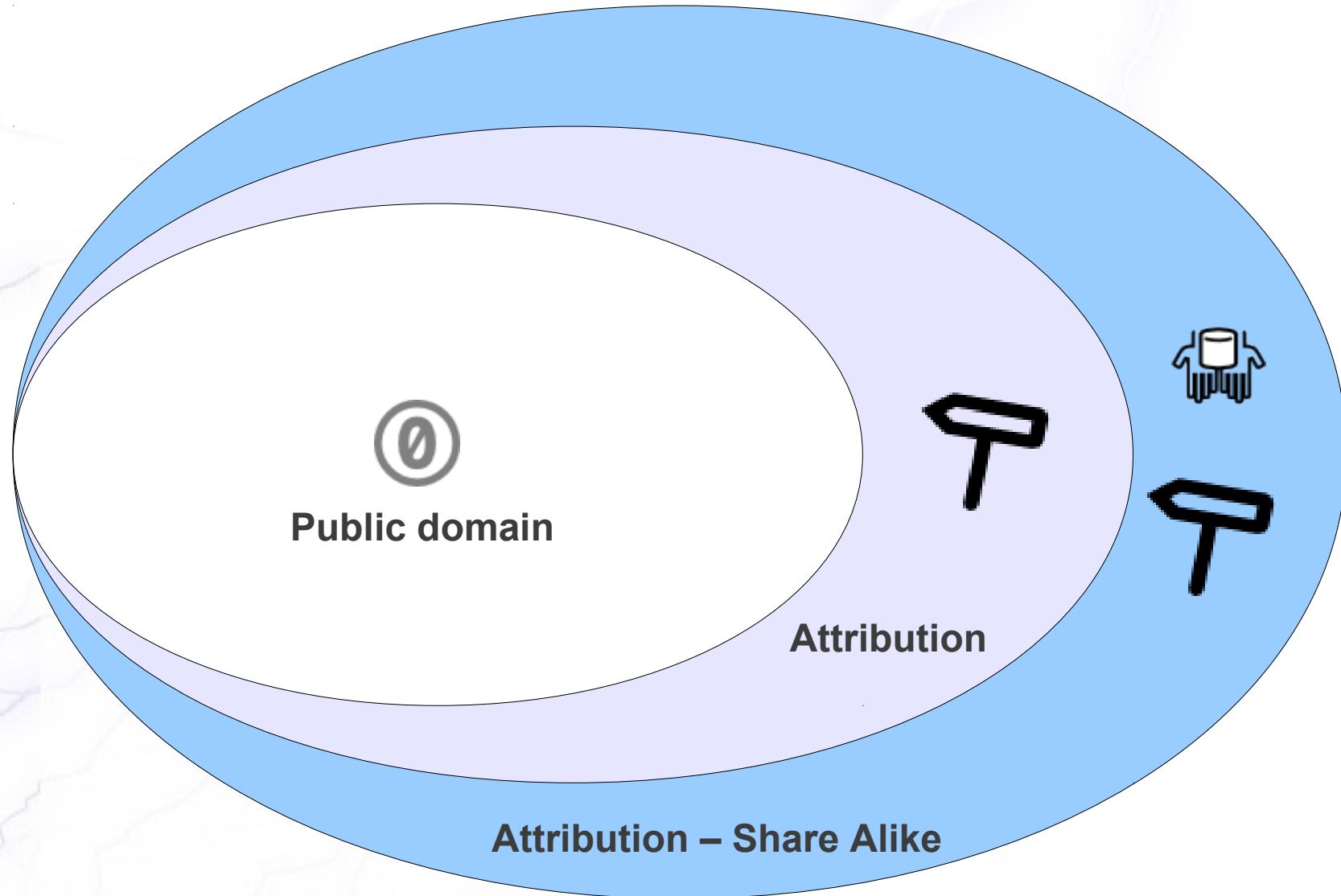


SHARE ALIKE



KEEP OPEN

Licenses compatibility



P.A. and Open Data

P.A. and Data

COLLECT → MANAGE → UPDATE → DISSEMINATE SHARE

SERVICE PAID BY TAXES

distribution at marginal cost



transparency



loss of income

vs

average cost recovery

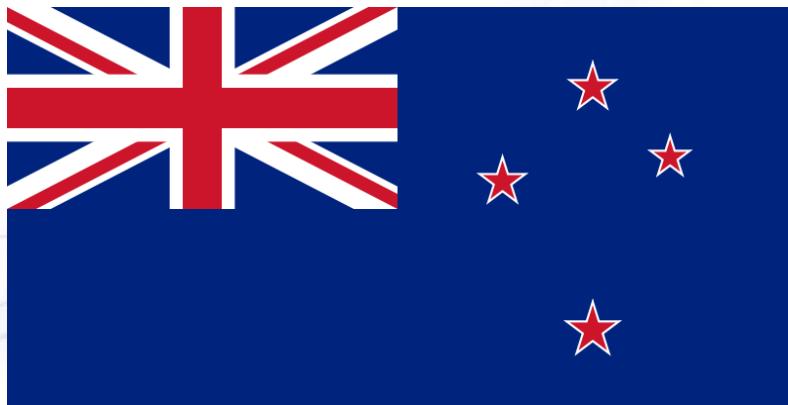


optimization costs



high transaction costs

a formula for making this possible



1. Leadership
also / primarily political

2. Crisis
ex. budget cuts

3. Heroes
1. (from government / administration)
people that believe it is possible, but also ready to lose

4.(Pressure from citizens)

USA

SATURDAY, MAY 23, 2009 **3.3**

DATA.GOV

HOME | CATALOG | ABOUT | FAQ | CONTACT US | SUGGEST OTHER DATASETS | **2.9**

DISCOVER. PARTICIPATE. ENGAGE.

Search Data.gov catalog by category, agency, or both

All Categories
All Agencies

SEARCH (Click here for advanced search)

VIEW THE ENTIRE DATA CATALOG ▶ 

FEATURED DATASET:

ENERGY INFORMATION ADMINISTRATION

Residential Energy Consumption Survey (RECS)

The Residential Energy Consumption Survey (RECS) provides information on the use of energy in residential housing units in the United States. This information includes the physical characteristics of the housing units, the appliances utilized including space heating and cooling equipment, demographic characteristics of the household, the types of fuels used, and other information that relates to energy use.

Featured Dataset: Energy Information Administration, Residential Energy Consumption Survey (RECS) ▶ **ASET** ▶ CONSUMPTION PORTION OF DATASET ▶

Welcome to Data.gov

The purpose of Data.gov is to increase public access to high value, machine readable datasets generated by the Executive Branch of the Federal Government. Although the initial launch of Data.gov provides a limited portion of the rich variety of Federal datasets presently available, we invite you to actively participate in shaping the future of Data.gov by suggesting additional datasets and site enhancements to provide seamless access and use of your Federal data. Visit today with us, but come back often. With your help, Data.gov will continue to grow and change in the weeks, months, and years ahead.

How to use Data.gov

Data.gov includes a searchable data catalog that includes access to data in two ways: through the "raw" data catalog and using tools. Please note that by accessing datasets or tools offered on Data.gov, you agree to the [Data Policy](#), which you should read before accessing any dataset or tool. If there are additional datasets that you would like to see included on this site, please [suggest more datasets](#) here. For more information on how to use Data.gov, [view our tutorial](#). **3.2**



UK

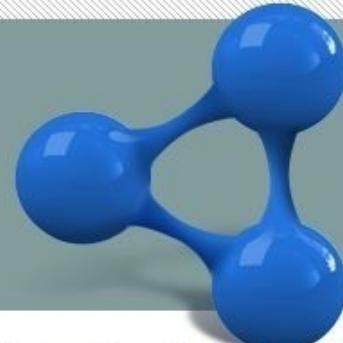


data.gov.uk

[Home](#) [Blog](#) [Data](#) [SPARQL](#) [Apps](#) [Ideas](#) [Forum](#) [Wiki](#) [Resources](#) [About](#)

Unlocking innovation

Working with UK Public Sector
information and data



Advised by Sir Tim Berners-Lee and Professor Nigel Shadbolt and others, government are 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.

Search Data

Enter keyword(s) [Search](#)

e.g. education, NHS, crime, transport, environment

Powered by: CKAN

Browse for Data

[List all datasets](#)

[Common tags](#)

[Subscribe by RSS](#)



[SHARE](#)



User login

Username: *

Password: *

[Log In](#)

[Request new password](#)



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](#)

Most Recent Apps

[View all apps +](#)

Two years after

 **DATA.GOV**
EMPOWERING PEOPLE

Site search

HOME DATA APPS COMMUNITY METRICS OPEN DATA SITES GALLERY WHAT'S NEW

HAPPY SECOND ANNIVERSARY DATA.GOV!

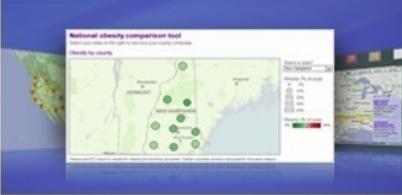


< || >

Latest Datasets

- Indicators of School Crime and Safety: 2010
- State Education Data Profiles
- FEMA Public Assistance Funded Projects Detail
- FEMA Hazard Mitigation Program Summary
- FEMA Public Assistance Funded Projects...
- Bureau of Engraving and Printing 1980-2010...
- FEMA Disaster Declarations Summary
- DOepatents Data Service
- Table 27 Number of Disabled Workers...
- Table 10 Federally Administered SSL...

DATA AND APPS



- 389,915 raw and geospatial datasets
- 1,071 government apps
- 236 citizen-developed apps
- 51 mobile apps
- 172 agencies and subagencies
- Suggest a dataset or app!
- 2011 Next Generation Data.gov is interactive, exploratory, and social.

MORE ▶

COMMUNITIES



Come explore, discuss, meet others in the same field, and develop the data and apps in the community that you care about. Join in the discussions by going to communities below that interest you.

OPEN DATA SEMANTIC WEB
HEALTH LAW
ENERGY

MORE ▶

OPEN GOVERNMENT



Latest News: Japanese Earthquake and Radiation Data

Real-time alerts and data related to the earthquakes off the coast of Japan and radiation levels in US.

What's coming up on Data.gov? Check out Sonny's blog.

MORE ▶

LEARN

SEMANTIC WEB

DEVELOPER'S CORNER

One year after

HM Government [Log in or sign up](#)

data.gov.uk^{BETA} [What are you looking for?](#) [Search](#)

Opening up government

[Home](#) Data Apps Ideas Forum Blogs Consultation Linked Data Resources About

Go

Enter your postcode to find tools and information about your local area using government data

Who does what in Whitehall?



How your money is spent



Government contracts in full



Who ministers are meeting



Business plans



Applications



[Terms and conditions](#) | [Code of conduct](#) | [Project Info](#) | [FAQ](#) | [Contact us](#) | [Accessibility](#) | [Moderation policy](#) | [Privacy](#)

Catalogues

The following spreadsheet contains different sheets giving information about open government data catalogues from around the world:

- an international list
- community driven catalogues
- an international list with LAT/LON coordinates
- a list of which EU member states do and don't have an official national catalogue

Open Government Data Catalogues

Region	National/subnational region	Name	OGD / PSI Catalogues
Worldwide	Worldwide	United Nations (UNdata) Catalog	http://www.undata-api.org/w
Worldwide	Worldwide	The World Bank Catalog	http://data.worldbank.org/d
Worldwide	Worldwide	Guardian: World government data search	http://www.guardian.co.uk/v/government-data
European Union	Estonia		http://pub.stat.ee/px-web.20/statfile1.asp
European Union	Finland		http://data.suomi.fi/
European Union	Denmark		http://digitaliser.dk/ressourcer/
European Union	Spain	Public Information Catalogue	http://www.proyectoaporta.e/web/guest/catalogo-de-informacion-publica
European Union	Spain	Zaragoza Public Data Catalogue	http://www.zaragoza.es/ciudad/servicios/conjuntodatos.html
European Union	Spain	Open Data Euskadi	http://opendata.euskadi.net/w79-home/es
European Union	Spain	Asturias Public Data	http://risp.asturias.es/catalogo/index.html

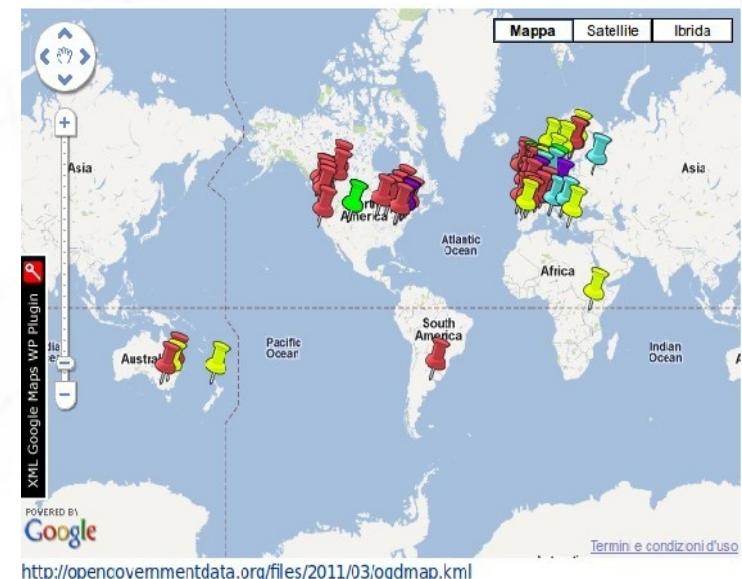
International Catalogues | Unofficial Catalogues | Gadget1 Catalogues | LAT/LON EU national catalogues

You can click on the tabs at the bottom of the embedded document to navigate between them.

These sheets are very much works in progress, and we need your help to improve and update them! To suggest a new catalogue that we should add, please let us know on the public [open-government mailing list](#) or via the following web form:

**OPEN !
GOVERNMENT DATA**

<http://opengovernmentdata.org/data/catalogues/>



Italy



http://en.wikipedia.org/wiki/Directive_on_the_re-use_of_public_sector_information
http://it.wikipedia.org/wiki/Codice_dell%27amministrazione_digitale

Regione Piemonte



dati.piemonte.it

v.1.0.0



I dati pubblici sono di tutti

I dati in possesso della Pubblica Amministrazione sono un patrimonio informativo prezioso: prosegue l'attività verso la condivisione dei dati pubblici con l'emissione di nuove linee guida e una nuova versione del portale.

Approvazione delle nuove Linee Guida regionali in materia di riuso

Sono state approvate dalla Regione Piemonte le nuove linee guida che definiscono come riusabili tutti i dati in possesso della Regione di tipo aggregato/anonimo o senza vincoli di privacy e che adottano come licenza standard la Licenza CC-zero.

Queste linee guida licenziano in automatico con licenza standard CC-zero, anche tutti i dati ad oggi pubblicati e scaricabili dal sito istituzionale o da altri canali istituzionali della Regione.

[...]

Regione Piemonte - CC0



dati.piemonte.it



I dati pubblici sono di tutti

I dati in possesso della Pubblica Amministrazione sono un patrimonio informativo prezioso: prosegue l'attività verso la condivisione dei dati pubblici con l'emissione di nuove linee guida e una nuova versione del portale.

<http://www.dati.piemonte.it/blog/item/approvazione-delle-nuove-linee-guida-regionali-in-materia-di-riuso.html>

[...] tutti i dati in possesso della Regione di *tipo aggregato/anonimo o senza vincoli di privacy* [...] adottano come licenza standard la

Licenza CC-zero.



Licenza



Salvo diversa indicazione, tutti i contenuti pubblicati su questo sito sono soggetti alla licenza
Creative Commons - Attribuzione - versione 3.0 o successiva.

È dunque possibile riprodurre, distribuire, trasmettere e adattare liberamente dati e analisi dell'Istituto nazionale di statistica, anche a scopi commerciali, a condizione che venga citata la fonte.

Le immagini, i loghi (compreso il logo dell'Istat), i marchi registrati e gli altri contenuti di proprietà di terzi appartengono ai rispettivi proprietari e non possono essere riprodotti senza il loro consenso.

Non è necessaria alcuna autorizzazione per creare collegamenti ipertestuali verso le pagine di questo sito.

<http://www.istat.it/it/note-legali>

[...] tutti i contenuti pubblicati [...]
Creative Commons - Attribuzione - versione 3.0 o successiva.

[...] possibile **riprodurre, distribuire, trasmettere e adattare liberamente dati e analisi** dell'Istituto nazionale di statistica, anche a scopi commerciali, a condizione che venga citata la fonte.
[...]

Non è necessaria alcuna autorizzazione per creare collegamenti ipertestuali verso le pagine di questo sito.



I.Stat

versione di prova

il tuo accesso diretto
alla statistica italiana

<http://dati.istat.it/>



Enel Open Data

[Open data](#) | [Dati Gruppo Enel](#) | [Dati Enel Spa](#) | [Dati di Sostenibilità](#)

AAA | [English](#) | [Italiano](#)

Ricerca

[Home](#) / [Dati di Sostenibilità](#) / [CARTA D'IDENTITA'](#)



Carta d'identità

Cittadini del mondo

Enel per i clienti

Il gruppo Enel: identità, valori, risultati

Le sfide dell'ambiente

L'energia delle nostre persone

Responsabilità, trasparenza, etica

Sostenibilità nella supply-chain

CARTA D'IDENTITA'

GENERAZIONE (EU1)

xls csv xml

Consistenza parco di generazione

xls csv xml

DISTRIBUZIONE (EU4)

xls csv xml

VENDITA (EU3)

xls csv xml

Clienti mercato elettrico

xls csv xml

Clienti mercato gas

xls csv xml

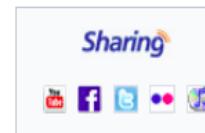
*dati al 31 dicembre 2010

Link esterni

- [The World Bank](#)
- [US Government](#)
- [UK Government](#)

Bilanci Enel 2010

- [Consolidato](#)
- [Esercizio](#)
- [Sostenibilità](#)
- [Ambientale](#)

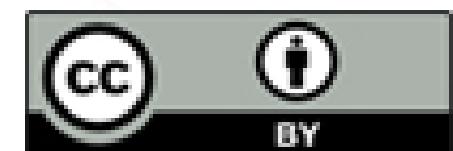


Enel Open Data

Increase transparency and involvement by all stakeholders

Improving the business: better information makes better markets

Encourage innovation, open data stimulate the development of new applications



Regione Emilia Romagna

dati.emilia-romagna.it Beta 2.1.0

Siamo on line
Il nuovo portale degli open data dell'Emilia-Romagna è on line. Siamo usciti con i primi dati, pubblicheremo con continuità nuovi dataset....

Home | Dati | Blog | Normativa | Casi d'uso | Statistiche | FAQ | Contattaci | Area riservata |

Quale dato stai cercando?
Inserisci il/i termine/i di ricerca.

cerca ricerca avanzata

Parole chiave più frequenti

Cartografia (5) Comuni (2) Edifici (1) Località (1)
OnLine (1) OpenSource (1) PA (3) popolazione (1)
Province (2) Regione (1) Servizi (1) Siti (1)

Ultimi dati catalogati

Interattività e completezza servizi on line della Pubblica Amministrazione
★★★★★
L'Indagine di benchmarking sulla qualità dei siti e sull'interattività dei servizi on line della PA in Emilia-Romagna è una rilevazione svolta annualmente dalla Regione Emilia-Romagna dal 2003...

Open source nella Pubblica Amministrazione
★★★★★
Open source nella Pubblica Amministrazione - la rilevazione EROSS (Emilia-Romagna Open Source Survey) ha interessato i Comuni dell'Emilia-Romagna e ha avuto lo scopo di misurare la diffusione ed...

Province Regionali
★★★★★

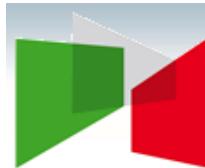
Blog

- Dataset "Popolazione per sesso e anno di età": ora disponibile la versione corretta
Grazie ai contributi della comunità degli utenti, abbiamo potuto individuare un piccolo errore nel dataset "Popolazione per sesso e anno di età" pubblicato sul portale. L'errore è stato rimosso...
- Lanciato dati.gov.it
Martedì 18/10/2011 è stato lanciato dal Governo italiano dati.gov.it, il Portale nazionale dei dati aperti della PA, nato per consentire a cittadini, sviluppatori, imprese, associazioni di...
- Da oggi è on line il portale degli Open Data dell'Emilia-Romagna
Il 14 ottobre siamo usciti con i primi dati, l'impegno è quello di pubblicare con continuità nuovi dataset. Attraverso gli spazi presenti nel portale, restate in contatto e iniziate...
- Approvate le Linee Guida del Piano Telematico 2011-2013
Il documento di programmazione della Regione Emilia-Romagna in materia di promozione e sviluppo della società dell'informazione è stato

HAI UN'IDEA?

Cos'è il riuso dei dati?

I CASI D'USO



dati.gov.it

I dati aperti della PA



Governo italiano

Presidenza del Consiglio dei Ministri

Ministero per la pubblica amministrazione e l'innovazione

[Home](#) | [Cerco i dati](#) | [Voglio capire di più](#) | [Condivido un dataset](#) | [Le App della PA](#) | [Notizie](#)

Istat, celebrazione della Giornata italiana della statistica



Per il secondo anno consecutivo l'Istituto nazionale di statistica organizza la Giornata italiana della statistica – GIS, che proprio come è avvenuto lo scorso anno dedicherà am

più recenti più lette

Dati.emilia-romagna.it, online portale dei dati aperti dell'Emilia Romagna

Dati.gov.it, il Portale dei dati aperti della PA

Istat, celebrazione della Giornata italiana della statistica

Apps4Italy: concorso di idee per il riutilizzo creativo dei dati aperti

[altre notizie...](#)

Cerco i dati

Il catalogo degli open data contiene 166 dataset di 35 Amministrazioni

Click

Voglio capire di più

Come e perché fare open data:

- Vademecum open data
- Specifiche tecniche
- Esempi di applicazioni
- Licenza di riuso
- Seminari on line

Condivido un dataset

Segnalo un insieme di dati della pubblica amministrazione pubblicato in formato aperto

Click

Le App della PA

Le applicazioni già disponibili per accedere ai servizi della PA da uno smartphone:

- AutoBlu
- Certificati on line
- Domande e risposte
- Servizi INPS
- ...e molte altre

Censimento auto blu

Rilevazione auto blu 2011 per

Idrografia Piemonte

Laghi naturali e artificiali acquisiti

Domande & Risposte

Risposte di Linea Amica alle

Comune di Udine

Dati sull'entrata e sulla spesa del



APPSFORITALY

[CHE COSA È APPS4ITALY](#)[LE REGOLE DEL GIOCO](#)[I PREMI IN PALIO](#)[REGISTRATI](#)[LIBERA I TUOI DATI](#)[DOVE TROVARE OPEN DATA](#)[SPONSORIZZA APPS4ITALY](#)[FAQ](#)[CHI SIAMO](#)

SEARCH

APPSFORITALY

[Che cosa è Apps4Italy](#)[Le regole del gioco](#)[I premi in palio](#)[Registrati](#)[Libera i tuoi dati](#)[Dove trovare Open Data](#)[Sponsorizza Apps4italy](#)[FAQ](#)[Chi Siamo](#)

#OPENDATA #OPENGOV

digiphile (Alex Howard): @WyattKash
is the map you wrote about new or an
update of this one? <http://t.co/ymmwoiw6> #OpenData #opengov
#Gov20

APPS4ITALY È UN CONCORSO PER PROGETTARE SOLUZIONI UTILI E INTERESSANTI BASATE SULL'UTILIZZO DI DATI PUBBLICI, CAPACI DI MOSTRARE A TUTTA LA SOCIETÀ IL VALORE DEL PATRIMONIO INFORMATIVO PUBBLICO.

A4I – Who?



Formez PA

Organizzatori – Hanno organizzato Apps4Italy:



Datagov.it
Associazione Italiana per l'Open Government



NEXA
Center for Internet & Society

Linked Open Data Italia
www.linkedopendata.it

Promotori – Sono promotori dell'iniziativa mettendo a disposizione i loro dati:



Regione Emilia-Romagna



OKFN Support



Data „tools“

Comprehensive Knowledge Archive Network



About the project <http://ckan.org>

The project <http://ckan.net> - <http://thedatahub.org>

The italian hub <http://it.ckan.net>

Europe support <http://publicdata.eu/>

World <http://opendatasearch.org/>

Get the data <http://getthedata.org/>

Under the hood

DATAPKG

<http://packages.python.org/datapkg/>



OKFN initiatives

<http://opengovernmentdata.org/>

<http://opendatachallenge.org/>

<http://wheredoesmymoneygo.org/>

<http://openspending.org/>

<http://energy.publicdata.eu/ee/>

<http://publicdomainworks.net/>

<http://bibliographica.org/>

VISIT US

<http://www.okfn.org/>

JOIN US

<http://okfn.org/register/>

References

- "Aspetti economici dell' informazione nel settore pubblico:fondamenti teorici e approfondimenti empirici"
from the Work Package "Economics" of EVPSI - Extracting Value from Pubblic Sector Information

http://www.evpsi.org/evpsifiles/EVPSI%20WP3_Aspetti%20economici%20dell%27informazione%20del%20settore%20pubblico_working_Apr2011.pdf

- Directive on the re-use of public sector information
<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32003L0098:EN:NOT>
- Open Data, Open Society a research project about openness of public data in EU local administration

http://www.dime-eu.org/files/active/0/ODOS_report_1.pdf

- dati.gov.it – Voglio capire di più
<http://www.dati.gov.it/content/voglio-capire>
- Come si fa OpenData

<http://www.scribd.com/doc/55159307/Come-Si-Fa-Opendata-Ver-2>

Associazione italiana per l'Open Government

<http://www.datagov.it>

open data and P.A. organizational change

DISCUSSION

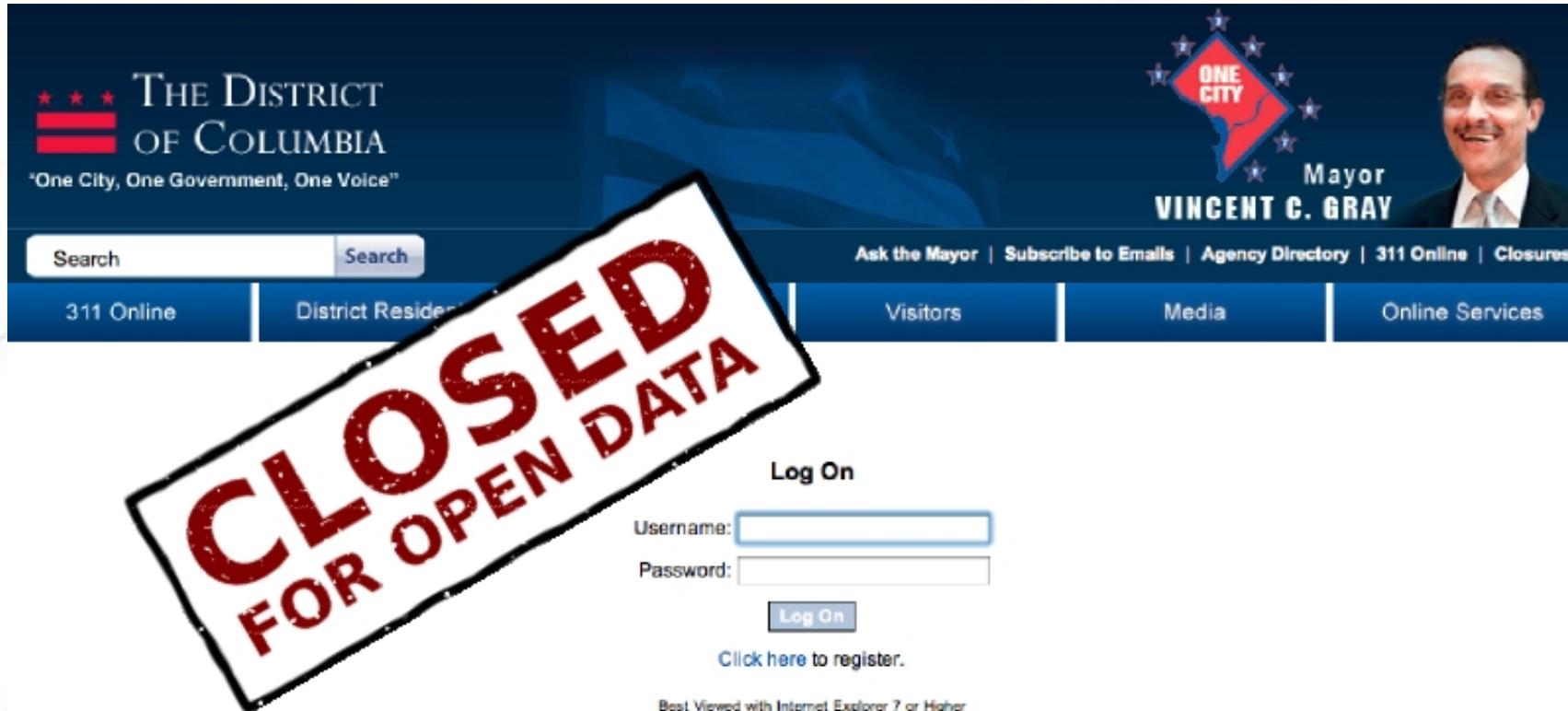
- Responsibility
- Cost
- Effort

I want tell some stories ...



Terremoti, l'Ingv: «Stiamo pensando di smettere di informare sulle scosse»
Il presidente Boschi:
«I nostri dati utilizzati per arrivare a conclusioni che non stanno né in cielo né in terra»

NOT GOOD OPEN DATA PRACTICES



<http://blog.okfn.org/2011/06/07/when-washington-dc-took-a-step-back-from-open-data-transparency/>

Slides created for the course

Organizzazione dei sistemi informativi aziendali

Prof David Hakken

<http://www.soic.indiana.edu/people/profiles/hakken-david.shtml>

Facoltà di sociologia
Università degli studi di Trento

