



# **The EU Open Data policy**

**Daniele Rizzi**

**European Commission**

**DG Communications Networks, Content and Technology**

**Training on Open Government Data  
for EU institutions**

**Brussels, 6 February 2014**

# Creation of "data value chain friendly" policy environment

- Fostering of (Open) **Data policy**
- Adoption of the **revised Directive on the re-use of Public Sector Information (PSI)** and the **Commission decision on re-use of its own information**
- **Implementation of PSI** policy across Europe by ensuring compliance and the development of **soft law instruments** (e.g. guidelines on licensing and charging)
- **Stakeholder** involvement and engagement

## Open (public) data: Why does it matter for Europe?

- 1. Untapped business and economic opportunities:** data is the new gold; possible direct and indirect gains of €140bln across the EU27; Dutch geo-sector in 2008: 15.000 jobs
- 2. Better governance and citizen empowerment:** open data increases transparency, citizen participation and administrative efficiency and accountability
- 3. Addressing societal challenges:** data can enhance sustainability of health care systems; essential for tackling environmental challenges
- 4. Accelerating scientific progress:** e-science essential for meeting the challenges of the 21st century in scientific discovery and learning.

## ***Re-use of open government data***

- *Publicly funded data must be available for all*
- *What data are we talking about?*  
*Statistics, environmental and geographical data, meteorological data, business information, legal information*
- *Combination of different types of data (e.g. geo, traffic and tourism)*
- *EU-wide applications and services*  
*Capitalise on the size of the internal market*
- *Systems that facilitate decision making by companies*

## ***Open data strategy***

- *Communication on Open Data ([COM\(2011\)882](#))*
- *A revision of the Decision governing the re-use of Commission's own information ([2011/833/EU](#))*
- *Revision of the Directive on the re-use of public sector information ([2013/37/EU](#))*
- *Open data-portals*
  - **[EU Open Data portal](#)**
  - **[pan-European portal](#)**

## ***Decision governing the re-use of Commission's own information (2011/833/EU)***

*As a default rule, reuse has to be allowed for non-commercial and commercial purposes:*

- without the need for an individual application*
- without charging the reuser*
- without putting conditions on the reuse*
- without discriminating between reusers*

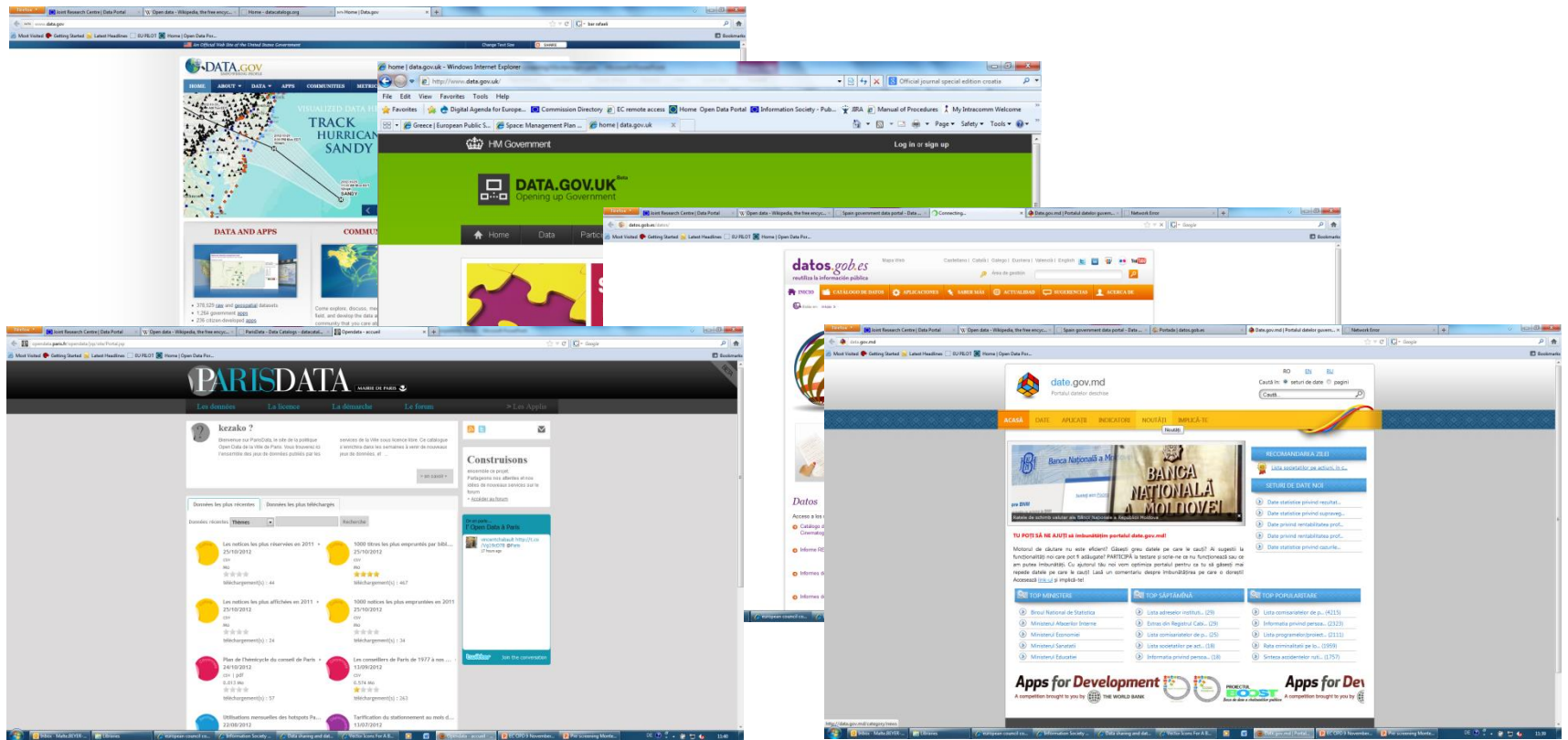
*(subject to duly justified exceptions: e.g. personal data)*

*Machine-readable formats must become the norm*

*Not applicable to: s/w, documents covered by third parties IPR; documents made accessible to the EC under specific rules governing privileged access to documents*



# Open data portals



# EU Open Data portals and infrastructures

- 2012: Commission Open Data Portal
- 2013: pan-European Open Data Portal (pilot)
- 2014-2020: European Digital Service infrastructure for Open Data (“Connecting Europe Facility” programme)



# Towards a pan-European infrastructure for (open) data

## Rationale

- One single gateway to reusable information with the aim of enabling combination of information held by various open data portals at various levels throughout the EU
- Services around open data
- Dedicated service infrastructure for language resources in order facilitate multi-lingual access to online services



European

### Search Europe's Public Data

land cover



Finance and Budgeting (436)

Social Questions (229)

Environment (227)

Transportation (199)

Education and Communication (194)

Agriculture, Fisheries, Forestry (181)

Population (145)

Economy and Industry (118)

Health (83)



[View larger map >](#)

## Open Data Showcase

### Featured Applications



#### ZNasichDani / From Our Taxes

ZNasichDani.sk uncovers who are influential... [\(show more\)](#)



#### OpenCorporates

OpenCorporates has taken one of the most im... [\(show more\)](#)



#### Live London Underground tube map

It plots the current positions of all Londo... [\(show more\)](#)



#### Bike Share Map

Showing the current state of bike share sys... [\(show more\)](#)



#### Evolution of European Union legislation

Explaining the legislative activity of the ...



#### Europe's carbon dioxide emissions

Our emissions map <http://www.sandbag.org.u...> [\(show more\)](#)

# publicdata.eu

# 2012-2020: EU wide Open Data Infrastructures



2013: pilot  
of a pan-European  
Open Data Portal

2014-2020:  
progressive  
implementation  
as one of the CEF  
(Connecting Europe Facility)  
Infrastructures  
(Open Data)

# G8 Open Data Charter



18 June 2013: the Lough Erne G8 Summit adopted an **Open Data Charter**

- very progressive and forward-looking approach to Open Data
- G8 members commit to a number of actions, namely that as a general rule all data they hold should be made openly available, also for reuse
- particular efforts to make available for reuse data belonging to areas of high value, both for improving democracies and encouraging innovative re-use of data

# G8 Open Data Charter

5 principles, all fully in line with the Commission policy on open data:

- Open Data by Default (“all government data be published openly by default”)
- Quality and Quantity (released data should be timely, comprehensive, accurate and clear)
- Usable by All (open data should be available free of charge; without bureaucratic or administrative barriers, such as registration requirements; in open formats wherever possible; as much data as possible)
- Releasing Data for Improved Governance (share technical expertise and experience, be transparent on data collection, standards, and publishing processes)
- Releasing Data for Innovation

# G8 Open Data Charter

## High value data - 14 categories:

- Companies, Crime and Justice, **Earth observation**, Education, Energy and **environment**, Finance and contracts, **Geospatial**, Global development, Government accountability and democracy, Health, Science and Research, Statistics, Social mobility and welfare, Transport and infrastructure
  - set out in an action plan (10/2013) how and when to release datasets

## Key datasets:

- National Statistics, Maps, Elections, Budgets
  - available and discoverable as from June 2013
  - accessibility and granularity improvement by December 2013

# EU implementation of the G8 Open Data Charter

## 6 commitments:

1. Publication of core datasets held at EU level (budget, elections, statistics)
2. Publication of high value datasets held at EU level
- 3. Publishing data on the EU open data portal**
4. Promoting the application of the principles of the G8 Open Data Charter in all 28 EU Member States
5. Supporting Activities, Outreach, Consultation and Engagement
6. Sharing experiences of open data work







## *Conclusions of the European Council (25/10/2013)*

### *Investing in the digital economy*

3. Several strategic technologies such as Big Data and Cloud computing are important enablers for productivity and better services. Cloud computing should improve access to data and simplify their sharing. Big Data aims to process, collect, store and analyse large amounts of data. EU action should provide the right framework conditions for a single market for Big Data and Cloud computing, in particular by promoting high standards for secure, high-quality and reliable cloud services. **The European Commission and the Member States, with the support of the "European Cloud Partnership", should continue to make every effort to put Europe at the forefront of cloud adoption. The European Council calls for the establishment of a strong network of national digital coordinators which could play a strategic role in Cloud, Big Data and Open Data development.**



## **Conclusions of the European Council (25/10/2013)**

### ***Promoting a consumer and business-friendly Digital Single Market***

9. The modernisation of public administrations should continue through the swift implementation of services such as e-government, e-health, e-invoicing and e-procurement. This will lead to more and better digital services for citizens and enterprises across Europe, and to cost savings in the public sector. **Open data is an untapped resource with a huge potential for building stronger, more interconnected societies that better meet the needs of the citizens and allow innovation and prosperity to flourish.** Interoperability and the re-use of public sector information shall be promoted actively. EU legislation should be designed to facilitate digital interaction between citizens and businesses and the public authorities. Efforts should be made to apply the principle that information is collected from citizens only once, in due respect of data protection rules.



European Commission

About | Contact | Legal notice | Search | Login



# DIGITAL AGENDA FOR EUROPE

A Europe 2020 Initiative

European Commission > Digital Agenda for Europe > Content & Media

- Home
- Our Goals
- Life & Work
- Entrepreneurship & Innovation
- Science & Technology
- Telecoms & the Internet
- Content & Media**
- DAE & U

## Data

- About
- Data value chain
- Open Data

## Content & Media

- Cultural Heritage
- Media Policies
- Collective Awareness

## Data

Share

Data is everywhere and has an impact on almost every part of human life. Whatever we do today, chances are high that we need to use data - regardless of whether we know about it or not. [\(more about data\)](#)



Search the site



Blogs @EC\_opendata

Tweets Follow

**Kirk Borne** @KirkDBorne2 Dec

The 7 (actually, 10) Most Powerful #DataScientists: [forbes.com/sites/nicolepe...](http://forbes.com/sites/nicolepe...) #BigData #Analytics #DataScience via @Forbes HT @srkiyer

Retweeted by EC Open Data Policy

Show Summary

**EC Open Data Policy** @EC\_opendata 15h

RT @JeniIT: Prompted by

## Newsroom

RSS

### Press Releases

- Factsheet: What is big data? (07/11/2013)
- Consultation on best ways to open up more public data (30/08/2013)

### Speeches

- Big data for Europe (Neelie Kroes, Vice-President of the European Commission responsible for the Digital Agenda, 07/11/2013)

# More info and updates:

<https://ec.europa.eu/digital-agenda/en/content-and-media/data>