The Open Data policy in DG CONNECT
Existing solutions for public data re-use

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Public Sector: Digital, Interoperable, Open

- Public administrations should be digital by default.

- Public services must be cross-border by default.

- Governments and administrations must be open, transparent and collaborative.

H2020 and CEF DSI to support this vision
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. geospatial, 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
Blooming of Open Data Initiatives by public authorities worldwide

- Policy
- Legislation
- Infrastructures (e.g. Portals)
- Support for reuse
- Research

Web technology as driver
Open data portals
The EU open data portal

Rationale:

- Single access point for information from all EU institutions and bodies
- Driver for re-use policy inside organisation: Data management, IP rights, openness
The EU open data portal

- Site launched in beta on December 2012, now fully operational (http://open-data.europa.eu)
- Based on open source solutions (LAMP, CKAN, Drupal)
- Metadata schema: Dublin Core + DCAT + ADMS
- REST API and SPARQL endpoint available (http://open-data.europa.eu/en/developerscorner)
- License conditions: Open license as default (equivalent to CC BY), but exceptions allowed
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
Pan-European Open Data portal currently a pilot:

publicdata.eu

More than 47,000 referenced datasets

15 countries
CEF Public Open Data: 2014 actions and outcomes

- initiate the deployment of a comprehensive Open Data core platform based upon the experience gained through the existing pilot portal

- Make **data sets** accessible and downloadable through links to data providers' resources; centralised storage may be offered

- Feature **advanced** visualization capabilities, tools for data aggregation and linking, browsing and visualization, user interfaces and support material

- Use agreed **standards** for metadata and data
CEF Public Open Data: 2015 developments

- Development started 19/12/2014, initial contract 38 months, ~6.5 M€
- Consortium led by Capgemini, partners: Intrasoft, Sogeti, Open Data Institute, Fraunhofer FOKUS (Berlin), University of Southhampton, con terra GmbH, Time.Lex
- First release of the portal: October 2015 (EDF conference)
- Will feature advanced visualization capabilities, tools for data aggregation and linking, browsing and visualization, user interfaces and support material
- Will use agreed standards for metadata and data
The Deployment of an EU Open Data core platform: implementation of the pan-European Open Data portal and related services

The strategic objective of this project is to address Accessibility and Value of Open Data

- **Accessibility.** How to access this information? Where to find it? How to make it available in the first place? In domains, across domains, across countries? In what language?
- **Value.** For what purpose and what economic gain? Societal gain? Democratic gain? What critical mass?

- The Project is structured into three work streams
  - Service 1: Developing, launching, operating and maintaining a pan-European web-based data portal infrastructure
  - Service 2: Fostering uptake on data supply
  - Service 3: Fostering uptake on reuse of public data resources

- A substantial part of the Open Data Value Chain is the Portal
  - The Portal alone is an empty house and requires metadata to be supplied by the holders of public data resources
  - A community needs to be engaged to make use of the Portal and the data, as this will drive economic benefits and innovation

All three Services are related and very much dependent on one another to untap the value of open data
DIGITAL AGENDA FOR EUROPE
A Europe 2020 Initiative

More info and updates: