Introduction
Open (Government) Data

Parliament of the Czech Republic, Chamber of Deputies
28.02.2012, Open Data & Public Sector, Prague

Martin Kaltenböck

@semwebcompany
@OGDAustria
@lod2project

http://www.slideshare.net/MartinKaltenboeck/introduction-open-government-data

Open Government (Data)

A short introduction

Grafik: openchandler.org

What is Open Government?

The basic idea of Open Government is to establish a **modern cooperation among politicians, public administration, industry and private 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 this information** (e.g. data, content, etc).

After all, **without information it is not possible to establish a culture of collaboration and participation** among the relevant stakeholders.

Therefore, Open Government Data (OGD) is often seen as a crucial aspect of 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."

– PRESIDENT OBAMA, 01/21/09

Where it started & where we are now!

Open
Government
Partnership

UNITED STATES · BRAZIL · INDONESIA · MEXICO · NORWAY
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

http://www.opengovpartnership.org/

What is Open Government?

Open (Government) Data

A short introduction

Grafik: openchandler.org

SEMANTIC WEB COMPANY
linking data to knowledge
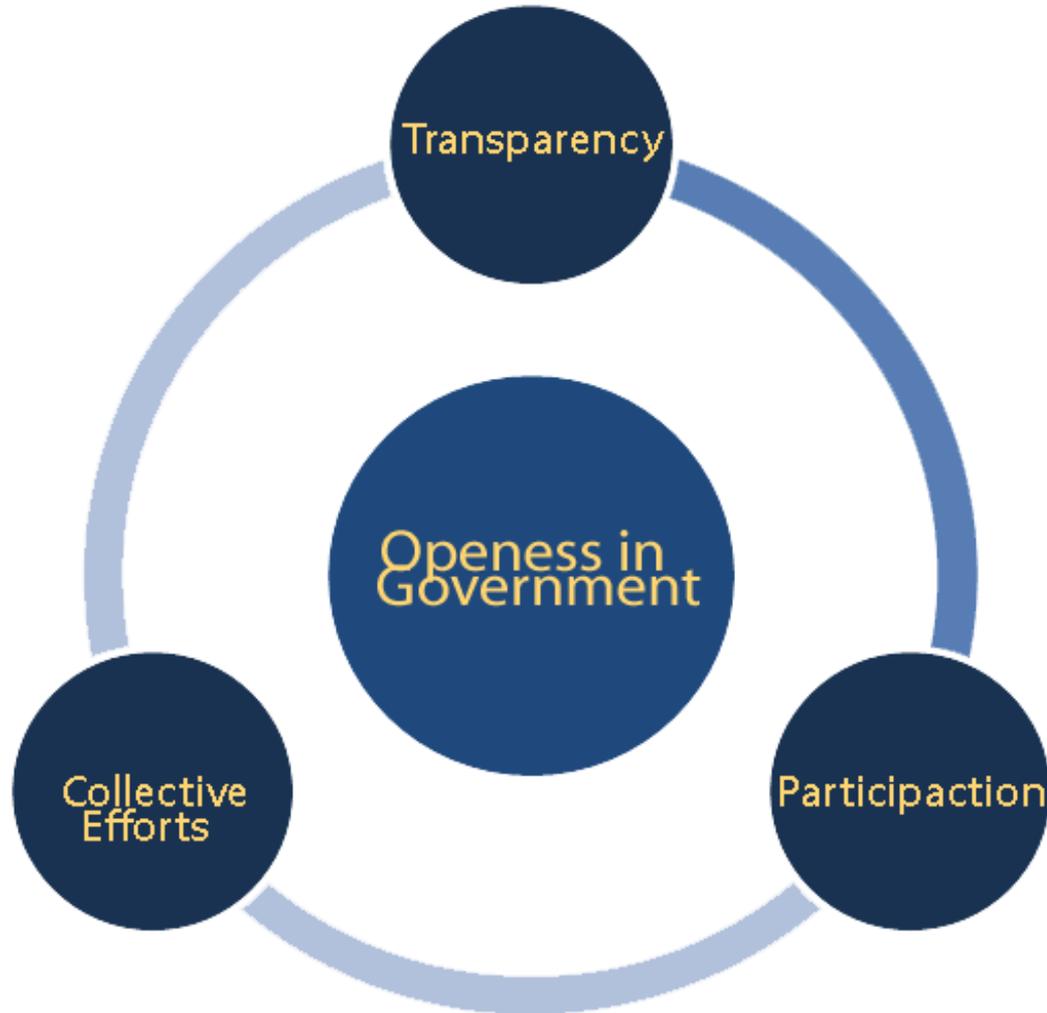
What is Open Government Data?

Open Government Data (OGD) is a worldwide movement to **open up data** (& information) of the government / public administration* - that is **NOT personal** (individual related) – in **human- and maschine readable** open formats (non proprietary) for **use & re use**!

OPEN stands for lowering the barriers to ensure as broad as possible re-use (for everybody)!

There is a **new paradigm** in publishing Government Data **= look, take and play!**

* ….. data and information produced or commissioned by government or government controlled entities

SEMANTIC WEB COMPANY
linking data to knowledge

<u>Outreach EC Activities</u>

- **June 2012 – Launch of EC Open Data Portal (Data & Information of EC departments)**

- **100 Mio Euros for Open Data related activities in EC funded R&D projects**

- **2013 – Launch of a Pan-European Data Portal (Single Point of Access to Open Data of EU27)**

linking data to knowledge

Global Open Data Initiatives

There are more & more Open Data systems available by International Organisations, NGOs and NPOs & other organisations!

- **United Nations** – http://data.un.org
- **World Bank** - http://data.worldbank.org
- **Eurostat** – http://ec.europa.eu/eurostat
- **FAO** – http://data.fao.org

- **REEEP**, Clean Energy Datasets: http://data.reegle.info
- **NREL**, OpenEI: http://en.openei.org

- **The Guardian** - http://www.guardian.co.uk/world-government-data
- **New York Times** - http://data.nytimes.com/

OGD Map Worldwide:
http://bit.ly/open-data-map

datacatalogs.org

SEMANTIC WEB COMPANY
linking data to knowledge

Principles of Open Government Data

1. Completeness

All public data are made available. Public data are data that are not subject to valid privacy, security or privilege limitations, as governed by other statutes.

2. Primacy

Data are published as collected at the source, with the finest possible level of granularity, not in aggregate or modified forms.

3. Timeliness

Data are made available as quickly as necessary to preserve the value of the data.

4. Ease of Physical and Electronic Access

Data are available to the widest range of users for the widest range of purposes.

5. Machine readability

Data are reasonably structured to allow automated processing of it.

6. Non-discrimination

Data are available to anyone, with no requirement of registration.

7. Use of Commonly Owned Standards (e.g. open formats)

Data are available in a format over which no entity has exclusive control.

8. Licensing

Data are not subject to any copyright, patent, trademark or trade secret regulation. Reasonable privacy, security and privilege restrictions may be allowed as governed by other statutes.

Finally, compliance must be reviewable.

PLUS: Sunlight Foudation, August 2010: 9) Permanence & 10) Usage Costs

SEMANTIC WEB COMPANY
linking data to knowledge

Best Practise: data.gov.uk

Source: Open Data Blog ZEIT:
http://bit.ly/pwXtBz

5 Stars for Open Data by Tim Berners Lee

★ make your stuff available on the web (whatever format)

★★ make it available as structured data (e.g. excel instead of image scan of a table)

★★★ non-proprietary format (e.g. csv instead of excel)

★★★★ use URLs to identify things, so that people can point at your stuff

★★★★★ link your data to other people's data to provide context

Gov 2.0 Expo 2010: Tim Berners-Lee, "Open, Li...

00:00 / 10:17

SEMANTIC WEB COMPANY
linking data to knowledge

What is important! What comes next?!

1. Need for **Definitions** as a 1st step

2. Commitment on **highest political level** – for real success!!!

3. Clarification of respective **legal Issues**

4. **Clarify: Licenses**, Models for Exploitation, Terms of Use

5. **Invole ALL relevant stakeholders**: Politicians, Public Administration, Citizens, Economy / Industry and the Community

6. Provide a **Single Point of Access** to the Data using (open) standards

7. **Low Hanging Fruits** for very quick first steps (data is already there!)

8. **Provide powerful Data** that ensures high benefits in re-use!

9. **Harmonise activities nationwide** (Cities, regions, national, …)

10. Follow **International movements & standards** to ensure Interoperability

SEMANTIC WEB COMPANY
linking data to knowledge

David Eaves Centre for the Study of Democracy, Canada

Words to every OGD advocate:

"

Building an Open Government Data Infrastructure is like building a electric power grid. It's hard to measure it's impact on society and on economy, but it is evident that there is one.

"

SEMANTIC WEB COMPANY
linking data to knowledge

Some announcements at the end

New EU Public Sector Directive (PSI) is on the way
- Open Up data & Information of Libraries, Museums & Archives
- Obligation for pro-active data publishing instead publish on request
- Obligation for a national neutral independent regulatory body
- Provision of all data & information in machine-readable formats
- Principle of marginal costs & transparency of calculation of charges & fees
- PSI Directive as a central instrument of the open data policy of the EC

OGD BusinessDay 2012: Open Data (&) Business, 22.03. 2012, Vienna
17.00 – 20.30 Internat.Talks & Penal Discussion (English language)
Information & Registration: http://ogdb.eventbrite.com/

OGD2012 Conference, Linz, Austria, **26.06. 2012**, http://www.ogd2012.at

Infos & Mailinglists:
Open Data & Business (EN): http://lists.okfn.org/mailman/listinfo/ogd-business
OKFO / OGD Austria (DE): http://opendata.at/okfo

SEMANTIC WEB COMPANY
linking data to knowledge

Infos & Kontakt

Martin Kaltenböck, CMC
Semantic Web Company GmbH (SWC)

Mariahilfer Strasse 70/8
A-1070 Wien
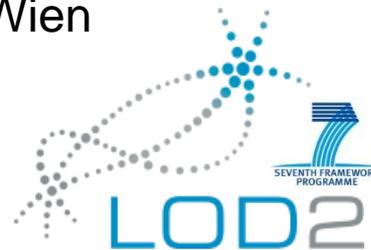
Semantic Web Company (SWC)

Web
http://www.semantic-web.at
http://blog.semantic-web.at

m.kaltenboeck@semantic-web.at

Phone: +43-1-402 12 35–25

LOD2
Creating Knowledge out of Interlinked Data

Web
http://www.lod2.eu
Blog
http://blog.lod2.eu

Open Knowledge Forum Austria
=
Austrian Chapter of the OKF

Web

http://gov.opendata.at
http://opendata.at/okfo