

Data Revolution

Open Government Data

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PRESENTATION OUTLINE

- **Introduction**
 - **Data Explosion**
 - **Big Data**
- **Data Revolution**
 - **Open Government Data**
 - **Characteristics**
 - **Initiatives**
 - **Projects**
- **Competencies**

In 2014

- **204 m email messages**
- **4 m search queries via google**
- **2.46 m FB posts**
- **277,000 tweets**
- **216 photos on Instagram**
- **48,000 apps from Apple App Store**
- **3,472 images pinned to Pinterest**
- **72 hrs of new video to YouTube**

EVERY MINUTE

the digital universe is doubling in size every two years
by 2020, the digital universe will contain nearly as many digital bits as there are stars in the universe (reaching 44 trillion gigabytes).

<https://www.techchange.org/2014/09/10/data-revolution-global-development-technology-monitoring-evaluation/>

Explaining Data Explosion

- **Pervasive Computing**
- **Ubiquitous Internet access and rise of digital communications network**
- **Proliferation of digital consumer products**
- **Increase in availability and Decline in price of digital storage**
- **Sensorization of Objects**

Data is no longer static or stale, whose usefulness was finished once the purpose for which it was collected was achieved.

Data is now a raw material of business and government, a vital input, used to create new value.

*In fact, with the right mindset,
data can be cleverly reused to
become a foundation of
innovation and new services.*

*Data can reveal secrets to those with the
humility, the willingness, and the tools to
listen.*

- Viktor Mayer-Schonberger & Kenneth Cukier *Big Data: A revolution that will transform how we live, work and think*



broad term for data sets so large or complex that traditional data processing applications are inadequate.

https://en.wikipedia.org/wiki/Big_data

BIG DATA

challenges include analysis, capture, data curation, search, sharing, storage, transfer, visualization, and information privacy.

NB

- **“Big” does not mean “Representative”**
- **Correlation NOT Causation**

“We should actively take advantage of new technology, crowd sourcing, and improved connectivity to empower people with information...”

DATA REVOLUTION - a global initiative to empower citizens with quality statistics and information to help them meet the sustainable development goals

At the heart of (the Data Revolution) is an acknowledgement that timely, usable data is critical to informed decision-making, monitoring of progress, and evaluation of outcomes...

OPEN (GOVERNMENT) DATA

Data produced by govt or govt controlled entities that can be freely used, reused and redistributed by anyone.

- More than 180 OGD portals globally

Open Government Data (OGD)

- More than 180 Open Government Data portals around the globe provide data that “can be freely used, reused and redistributed by anyone”

Logos shown include: GOVDATA (Data Governmental Development), DATA.GOV.UK (Opening Up Government), data.gouv.fr (European Union Open Data Portal), DATA.GOV.SK (Netherlands Government), data.gov.au, and datos.gob.es (Realizar la información pública).

- Huge potential for transparency and economic growth
- First Step: understand the big picture

October, 28 April 2013 3 OpenCube

Why Open Government Data?

- Transparency: In a well-functioning, democratic society citizens need to know what their government is doing.
- Efficiency: Making data easier to find, analyze and combine across different departments and agencies enables better coordination and efficiency within government.

Why Open Government Data?

- Innovation: By opening up data, government can help drive the creation of innovative business and services that deliver social and commercial value.

Open Government Data's implicit promise to support economic growth and to improve public services, as well as to promote government transparency and accountability make it an attractive policy objective.

• OECD

<http://www.oecd.org/gov/public-innovation/open-governmentdata.htm>

OGD Principles

- 1. Complete**
- 2. Primary**
- 3. Timely**
- 4. Accessible**
- 5. Machine processable**
- 6. Non-discriminatory**
- 7. Non-proprietary**
- 8. License-free**

Open Data Charter

8 Principles

- **Open by Default**
- **Timely and Comprehensive**
- **Accessible and Usable**
- **Comparable and Interoperable**
- **For Improved Governance and Citizen Engagement**
- **For Inclusive Development and Innovation**

OGD - OPEN BUDGET

***Open Budget Survey* examines 3 critical aspects of public financial management:**

- **transparency,**
- **public participation, and**
- **oversight**

OGD - OPEN BUDGET

In the 2015 Open Budget Survey, PH scored 64 of 100 pts.

The Government of the Philippines provides the public with substantial budget information.

- **First in ASEAN**
- **Second in Asia**
- **21st Globally (ave is 48 pts)**

OGD - OPEN JUSTICE

legal principle describing legal processes characterized by openness and transparency.

- 1) assists in the search for truth and plays an important role in informing and educating the public;**
- 2) enhances accountability and deters misconduct; and**
- 3) has therapeutic function, offering an assurance that justice had been done.**

OGD - OPEN JUSTICE - UK



Case Length – Criminal Cases

- 14 weeks** – between offense and defendant being charge/ case laid in court
- 5 weeks** – between case being laid and first hearing
- 5 weeks** - between first hearing and case outcome

Open Govt Data Competencies

- **Open Government**
- **ICT**
- **Data**

Based on *14 Principles of Open Govt Data*
(<https://opengovdata.io/2014/principles/>)

Part of a Web Foundation project to develop a
competency-based capability program

Open Govt Data Competencies

- **Open Government**
 - **OG Principles & Policies**
 - **Evidence-based Policy**
 - **OGD Strategy & Management**
 - **Civic Hacking**

Open Govt Data Competencies

– ICT

- **Information Access**
- **Information Management**
- **Standards & Interoperability**
- **Web Technologies**
- **Information Security & Assurance**

Open Govt Data Competencies

- **Data**
 - **Proficiency**
 - **Management**
 - **Analysis and Presentation**
 - **Stewardship**

***In God we trust.
All others must bring data.***

- **W. Edwards Deming**
statistician, professor, author, lecturer, and
consultant.

end of presentation

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