2030 Agenda and Official Statistics High-Level Panel:
Open Government Data

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Alla Morrison

World Bank Group

4th International Conference on Big Data for Official Statistics, Bogota, Colombia

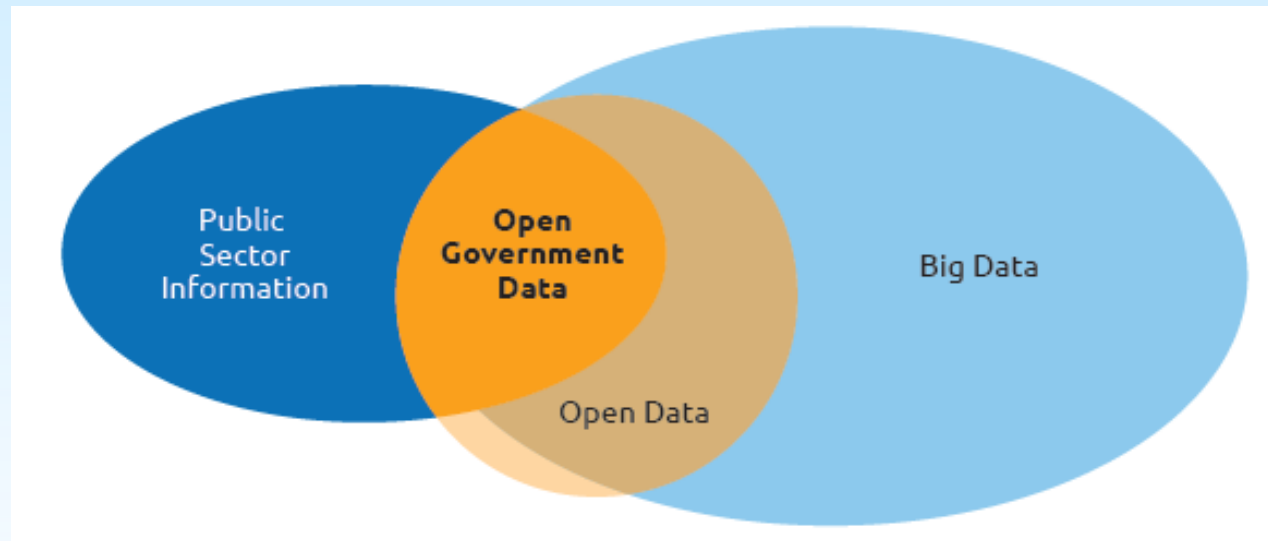*November 8, 2017*

@allamorrison

What is Open Data?

No technical or legal restrictions
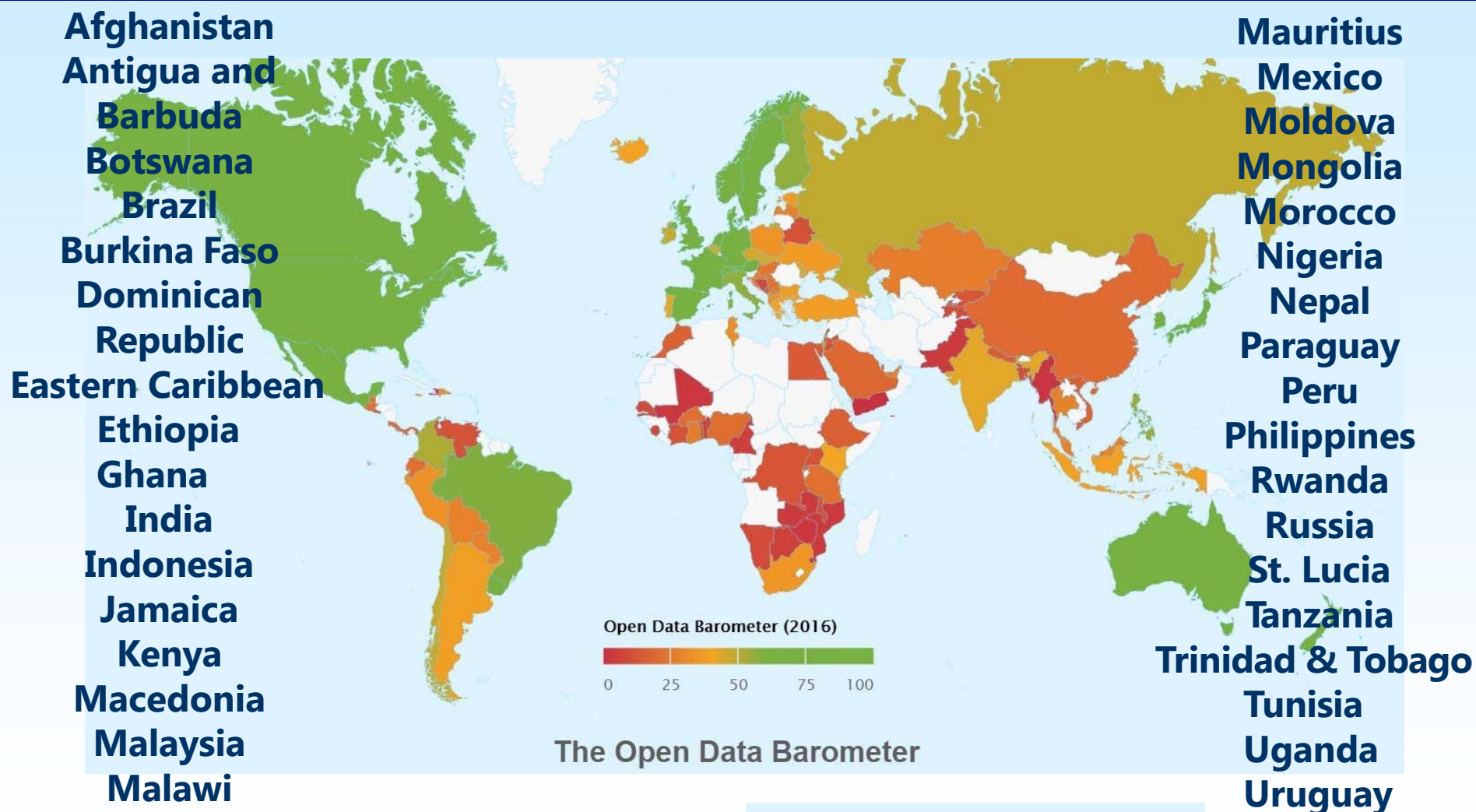
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By anyone, anytime, anywhere…

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Open Government Data

Source: "Creating Value with Open Data", European Commission, 2017

Global Trend Toward Open Data

Afghanistan
Antigua and
    Barbuda
Botswana
Brazil
Burkina Faso
Dominican
    Republic
Eastern Caribbean
Ethiopia
Ghana
India
Indonesia
Jamaica
Kenya
Macedonia
Malaysia
Malawi

Mauritius
Mexico
Moldova
Mongolia
Morocco
Nigeria
Nepal
Paraguay
Peru
Philippines
Rwanda
Russia
St. Lucia
Tanzania
Trinidad & Tobago
Tunisia
Uganda
Uruguay

Open Data Barometer (2016)

0   25   50   75   100

The Open Data Barometer

Global Trend Toward Open Data

The International Open Data Charter adopted by 52 governments: 17 national and 35 local/subnational.

Principles

1. Open by Default
2. Timely and Comprehensive
3. Accessible and Usable
4. Comparable and Interoperable
5. For Improved Governance and Citizen Engagement
6. For Inclusive Development and Innovation

OpenData Barometer

GLOBAL OPEN DATA INDEX
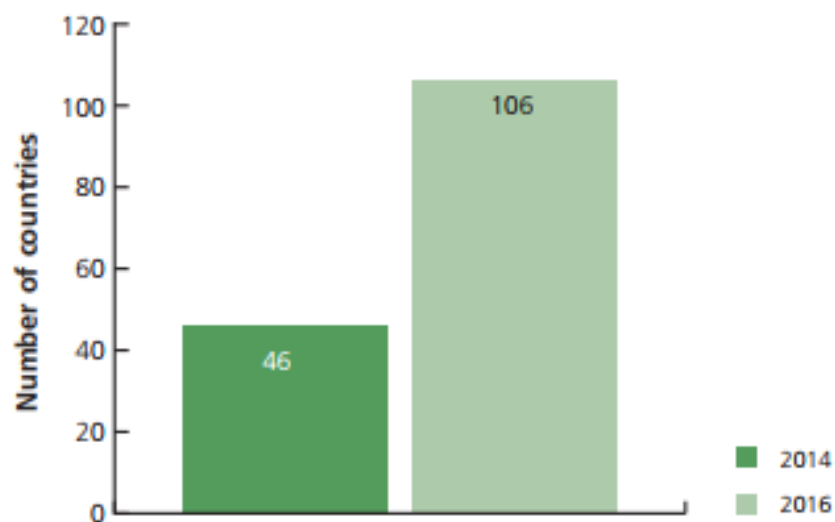
OECD

OPEN DATA WATCH

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Global Trend Toward Open Data

2016 UN E-Government Survey
added Open Government Data

Countries with Open Government Data Catalogues in 2014 and 2016

Global Trend Toward Open Data

THE OPEN DATA MOVEMENT

THE EVOLUTION OF APIs

Increasingly, companies are making their data and inner workings publicly available through the release of APIs, which are used by developers in building new tools—like TweetDeck, based on Twitter's API. Since 2005, more than 3,700 APIs have been launched.

WHAT IS AN API?

An application programming interface is a set of instructions that allows software programs to interact with each other. ProgrammableWeb tracks APIs and "mashups" (new combinations of existing APIs).

PUBLIC DATA AROUND THE WORLD

From education to energy, health to poverty, and finance to demographics, governments and NGOs are opening up their data troves so that anyone can look for patterns and create informed solutions to global challenges.

ISO/IEC 20802-1:2016
Open data protocol (OData) v4.0 -- Part 1: Core

ISO/IEC 20802-2:2016
Open data protocol (OData) v4.0 -- Part 2: OData JSON Format

Open Government Partnership

Launched in July 2011, the OGP secures commitments by governments to promote transparency, increase civic participation, fight corruption and use technology to be more effective and accountable.

Fingal County led the way in opening its data, which were used at the country's first open data challenge in July 2011. Dublin City will open in September 2011.

Data.gov.uk contains more than 7,200 datasets from seven governmental publishers, including 989 from the Department of Health and 784 from the Department for Communities and Local Government.

Launched by Vivek Kundra, the first Chief Information Officer of the United States, Data.gov offers 389,730 datasets.

Data.gov.in launched in July 2011, modeled after the U.S. and UK sites, but with many datasets restricted to agency access only.

Launched in July 2011, the Kenya Open Data Initiative is the first Sub-Saharan national data program and will be used to create infrastructure for human and economic development.

OGP COMMITTEE MEMBER
GOVERNMENT DATA RELEASE

visual.ly

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Policy Objectives of Open Data

New Economic and Social Value

Improved Public Services

More Transparent Government

More Efficient Government

SUSTAINABLE DEVELOPMENT GOALS

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Economic Value of Open Data

McKinsey report estimated the economic potential of open data to be in the range of $3 to $5 trillion globally per year. A number of studies estimate impact at about 1% of a country's GDP.

Pioneers of open data – the US, UK, Australia, Denmark – have seen hundreds of new companies and thousands of jobs created.

- Global Positioning System (GPS) data now contributes $122bn/year benefits to US economy
- Open Weather Data in the US has created 400 companies employing 4000 people
- Spanish study found €600m of business from open data with >5000 jobs
- Australian study found an ROI of 500% from open data
- Open addresses data in Denmark now generates €14m/year in benefits and 70:1 Return On Investment

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Policy Framework

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Adapt -   remix, transform & build upon the material for any purpose, even commercially

Under the following terms:

Attribution — You must give appropriate credit

With **no additional restrictions**

Technical Standard for Microdata Documentation and Taxonomy

Statistics by subject

Aboriginal peoples	Income, pensions, spending and wealth
Agriculture	Information and communications technology
Business performance and ownership	International trade
Business, consumer and property services	Labour
Children and youth	Languages
Construction	Manufacturing
Crime and justice	Population and demography
Culture and leisure	Prices and price indexes
Economic accounts	Reference
Education, training and learning	Retail and wholesale
Energy	Science and technology
Environment	Seniors
Ethnic diversity and immigration	Society and community
Families, households and housing	Statistical methods
Government	Transportation
Health	Travel and tourism

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An Action Plan

1. Common policy for open data

2. Common standards for microdata documentation & topics taxonomy

3. Feature open data in capacity building

4. Improve tracking of disseminated data

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Thanks!