

 OPEN-STEPS.ORG

## Who we are

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European Affairs

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Software development

## Our project

- Meeting and documenting Open Knowledge Projects along our journey
- 12 Months / 20+ Countries
- Workshop "Visualizing Open Data to bring out global issues"



# 1. Introduction to Open Knowledge and Open Data

## 1.1. What are Open Knowledge and Open Data? Why do they matter?

### Open Knowledge Definition

Drafted 2005-08 , v1.0 in 2006.

Greatly based on the OSD.

Compliant licenses.

<http://opendefinition.org/>

### What can be considered Knowledge?

Knowledge can be:

- content like music, films, books.
- Scientific, historical, geographic data
- Government/Public and other administrative information

# 1. Introduction to Open Knowledge and Open Data

## 1.1. What are Open Knowledge and Open Data? Why do they matter?

### Requirements for Knowledge to be open

Accessible as a 'whole' at no more than a reasonable reproduction cost.

Redistributable.

Modifications and derivations should be allowed

Technologically non-restricted

Attribution

Modifications should respect the integrity of the source content.

No discriminating, available for all (this includes commercial projects)

No additional licenses needed

Not specific to a package

No restriction on other works.

<http://opendefinition.org/>

# 1. Introduction to Open Knowledge and Open Data

## 1.1. What are Open Knowledge and Open Data? Why do they matter?

### Open Data

#### Which kinds of data are meant?

- produced by public administration or organisations
- anonymous
- not private
- not related to security

#### Why does Open Knowledge matter?

- transparency: control of public administration
- democracy: active participation as citizen, e-services
- innovation: promote exchange & development of new ideas

# 1. Introduction to Open Knowledge and Open Data

## 1.2 Examples of administrations and organisations releasing information to the public domain

### History:

in US: 1966 Freedom of Information Act, modified in 2007 by the OPEN Government Act

### Launching of open data platforms:

- the first in US: May 2009
- in UK: Sept 2009 in beta, Jan 2010 officially
- since 2011: in many countries from all continents
- European Commission, in 2013 (beta)

### Current stage: 42 countries

- in all continents (eg: Kenya very active)
- at all level (local, regional, national, multinational)

# 1. Introduction to Open Knowledge and Open Data

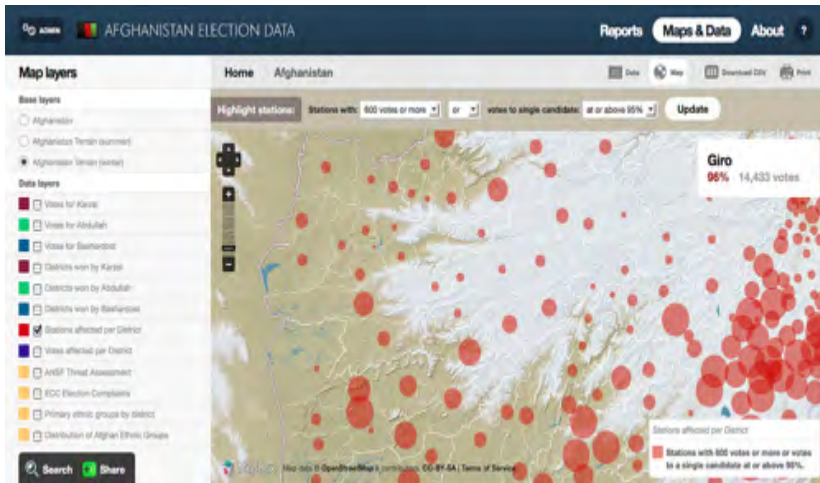
## 1.2 Examples of administrations and organisations releasing information to the public domain





# 1. Introduction to Knowledge Sharing and Open Data

## 1.3 Transparency in politics as a way to achieve real democracy



### Afghanistan election data 2009

Data provided by National Democratic Institute.

Data originally in PDF Format, extracted and visualized.

Contextualization of the data (Districts, Security situation, weather conditions.)



### Fragdenstaat.de. OKFN 2010

Citizens ask the public authorities questions.

Question/Answers are made available on the platform.

Released under MIT license.

# 1. Introduction to Knowledge Sharing and Open Data

## 1.3 Transparency in politics as a way to achieve real democracy



### Publications: Transparency data

You can use the filters to show only results that match your interests



**Contains**

**Publication type**  
 Transparency data

**Topic**  
 All topics

**Department**  
 All departments

**World locations**  
 All locations

Showing 2549 results about All topics × by All departments × from All locations × published before July 2013  atom  email alerts

**UKEF: spend over £25,000, May 2013**  
 21 June 2013 UKEF Transparency data Part of a series: UKEF: spend over £25,000

**OSCAR: publishing data from the database**  
 21 June 2013 HMT Transparency data

**BIS monthly spend April 2013**  
 21 June 2013 BIS Transparency data Part of a series: BIS spending totals

**HM Treasury group payment performance**  
 20 June 2013 HMT Transparency data

**PFI/PF2 tracker: Department of Health**  
 20 June 2013 HMT and IUK Transparency data  
 Part of a series: PFI/PF2 projects business case approval trackers

Transparency data publications available on the UK open data platform

different series like:  
 "What we spend and how we spend it"

"Get involved" section

## 2. There is so much data out there, and it's free

### 2.1 Online sources where you can get open data

Overwhelming number of online sources

International

Local

Numerous different topics

Energy

Environment

Population

Economics

Research



<http://www.data.gov/opendatasites>



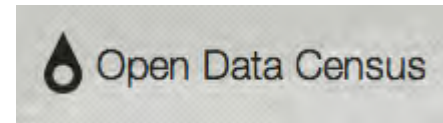
<http://data.worldbank.org/>

[visualizing.org](http://visualizing.org)

<http://www.visualizing.org/data/browse>



<http://data.un.org/>



<http://okfnlabs.org/opendatacensus/>



OPEN CITIES



## 2. There is so much data out there, and it's free

### 2.2. World Bank as major data hub

#### History

created in 1944 in Washington initially to rebuild Europe and Japan after World-War II

#### Nowadays

- economic growth of developing countries
- reduction of poverty

#### Open Data Initiative 2010:

Open access to database: <http://data.worldbank.org>

Search Data by country, topic or indicator

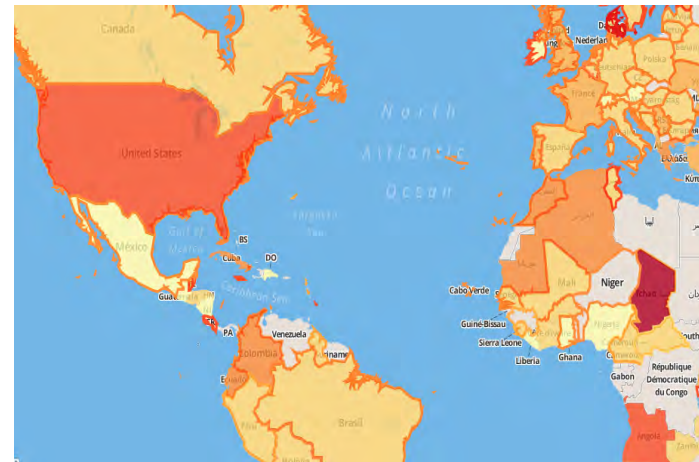
## 3. Why visualisation matters

### 3.1 Understanding complex problems by looking at simple graphs

#### Table view vs Visualisation

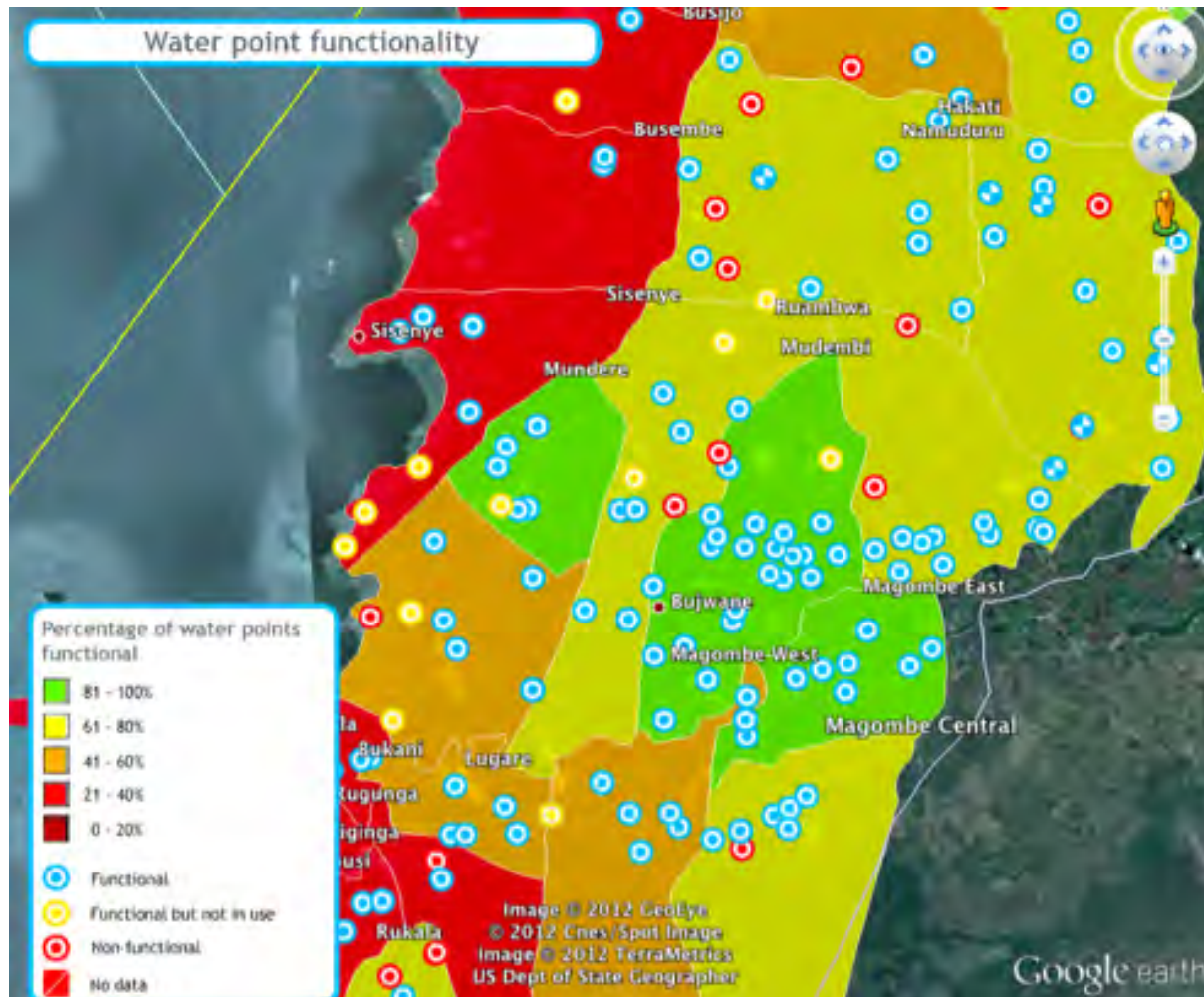


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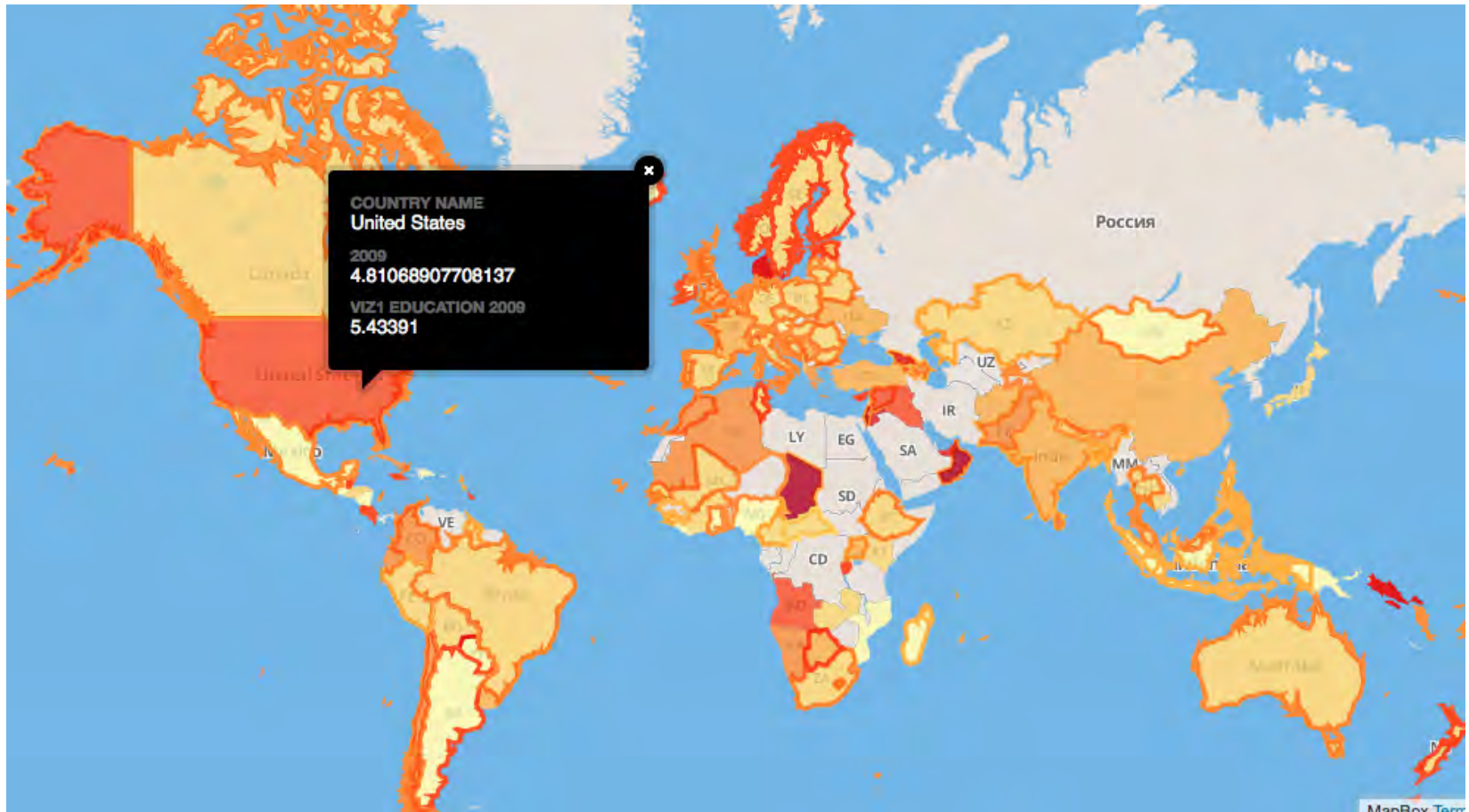
### 3. Why visualisation matters

#### 3.1 Understanding complex problems by looking at simple graphs



### 3. Why visualisation matters

3.2. Examples of data visualisations we have developed describing worldwide issues in the fields of Politics, Environment, Education and Social development



Thanks! / Děkuji!

**Marguerite Thierry**  
**Alejandro Corbi**

[www.open-steps.org](http://www.open-steps.org)  
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A journey around the world discovering  
and showcasing open knowledge projects

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