

Open Data concepts

A brief introduction

Maurizio Napolitano

<napo@fbk.eu>

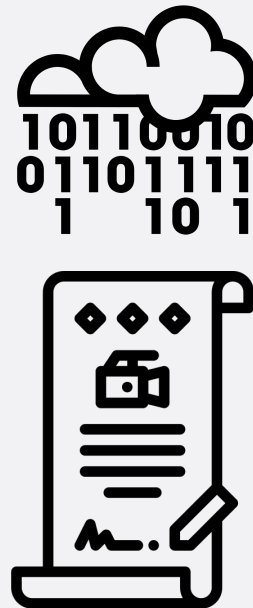
Agenda

- the beginning of the movement
- the promises
- the different interpretations of the open data concept
- the junk data
- the real impact of open data
- what we still have to do



10+ years ago?

2009 a president of
USA said "Open Data" ...
but



CESARE BATTISTI

121 years ago!!!



From the "Preface" of *Il Trentino*,
Giovanni Zippel Editore, **Trento, 1898**)

[..] I could have certainly done more, especially regarding the statistical aspects, however, in our country both private and non-profit organizations show reluctance relying on public domain for data and content [...]



OpenStreetMap



17 years ago!!!



Free Software Foundation Europe - sezione italiana

Via Londonio 22 - 20154 Milano - Italy @fsfeurope.org - tel: +39 02 3453 7127

Free Software Foundation Europe
<http://fsfeurope.org/>
info@fsfeurope.org

Milano, 19 Ottobre 2006

Ministro delle Comunicazioni
On. Paolo Gentiloni
Fax. 06 5942101
paolo.gentiloni@comunicazioni.it

e p.c. Presidente CdA Poste Italiane S.p.A.
Vittorio Mincato
Fax +39 06 5958.9100
info@posteitaliane.it

e p.c. Direttore Generale
Regolamentazione del Settore Postale
Avv. Mario Fiorentino
Fax 06 5444 4482
fiorentino@comunicazioni.it

Oggetto: Disponibilità pubblica dell'elenco ufficiale dei CAP in forma elettronica

Egregio Sig. Ministro delle Comunicazioni,

recentemente Poste Italiane ha modificato la numerazione dei codici di avviamento postali (CAP).

Negli anni passati l'elenco ufficiale dei CAP era fornito gratuitamente sia in formato cartaceo che, successivamente, elettronico dalle stesse Poste Italiane. Anche il sito del suo Ministero distribuiva l'elenco ufficiale del CAP in formato testo, liberamente scaricabili.

in 2006 **FSFE** asked to the Italian government to release of the **zipcodes** as **open data**

Note:
this resource is not yet open

But this guy ...



Transparency and
Open Government



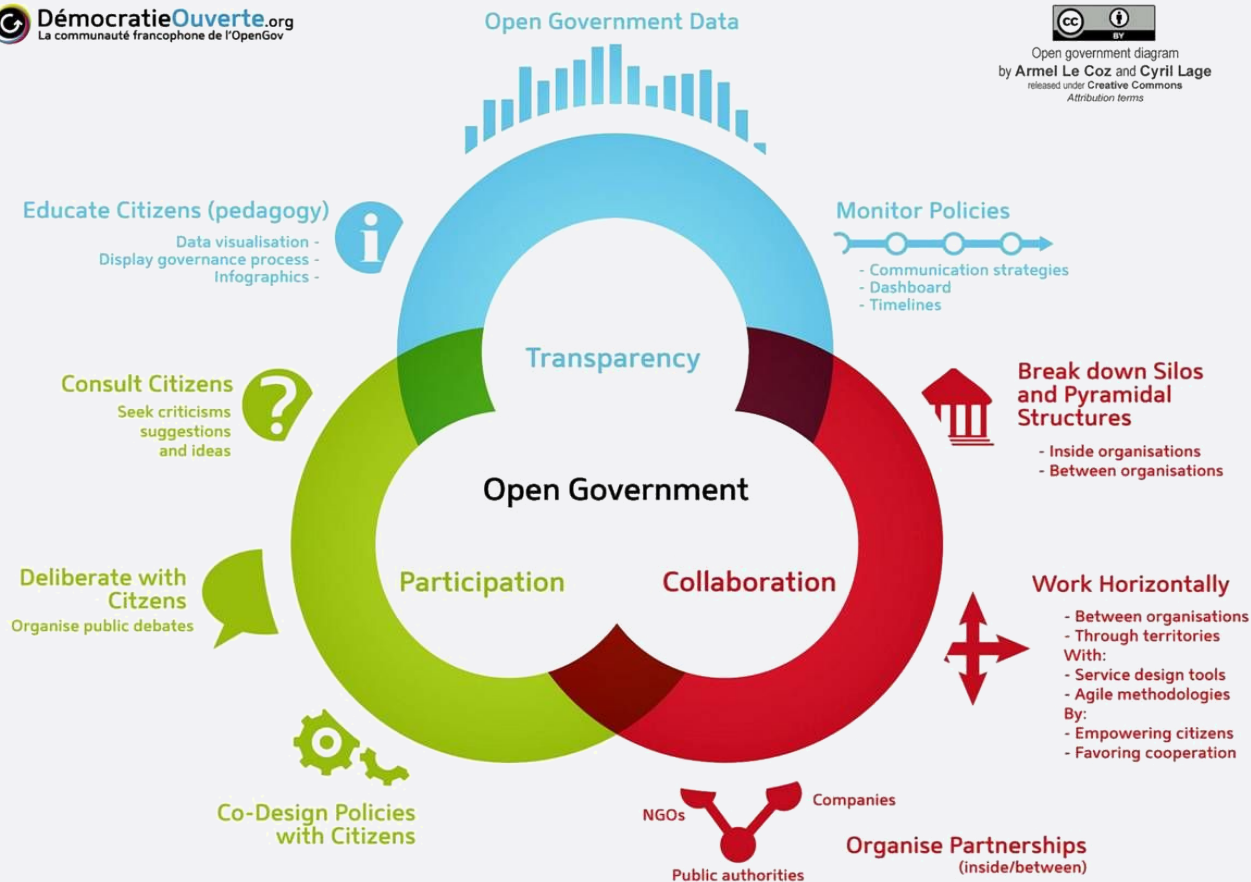
<https://obamawhitehouse.archives.gov/the-press-office/transparency-and-open-government>

@napo





Open government diagram
by **Armel Le Coz** and **Cyril Lage**
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10+ years that the word **opendata** is also
known to **politicians** and domain **experts**



OPEN

DATA



https://www.ted.com/talks/tim_berners_lee_the_year_open_data_went_worldwide?language=en

McKinsey & Company

Open data—public information and shared data from private sources—can help create **\$3 trillion** a year of value in seven areas of the global economy.



The Open Definition

The **Open Definition** sets out principles that define “openness” in relation to data and content.

It makes **precise** the meaning of “open” in the terms “**open data**” and “**open content**” and thereby ensures **quality** and encourages **compatibility** between different pools of open material.

It can be summed up in the statement that:

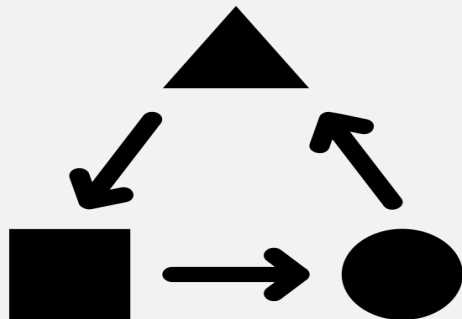
*“Open means **anyone** can **freely access, use, modify, and share** for **any purpose** (subject, at most, to requirements that preserve provenance and openness).”*

Put most succinctly:

*“Open data and content can be **freely used, modified, and shared** by **anyone** for **any purpose**”*

[Read the full Open Definition »](#)

- “Open means **anyone** can **freely** access, use, modify, and share for any purpose (subject, at most, to requirements that **preserve provenance and openness**).”





Open Data Commons *Legal tools for Open Data*

Open Data Commons is the home of a set of legal tools to help you provide and use Open Data

- Licenses and Dedications »
- 2-minute Guide to Making Your Data Open »
- Find Out More About the Project »


If you're wondering about things like: why open data matters? or why do I need this legal stuff, can't I just post my data online? we suggest you check out the FAQ. If you want to know what we mean by open data visit the Open Definition which defines open in relation to data and content.

You may also like to join the discussion list at <http://lists.okfn.org/cgi-bin/mailman/listinfo/odo-discuss>

You should also read our full legal disclaimer.

MORE INFORMATION

- Introduction to Open Data
- Open Definition for Data
- Quick guide to making data open
- Open Data Handbook

 **Open Government Licence**
for public sector information

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The National Archives
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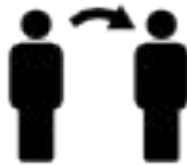
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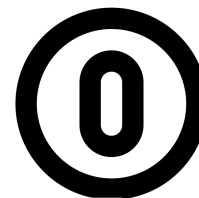
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... at most ...

PERMISSIONS



RESTRICTIONS



PUBLIC DOMAIN

... preserve provenance ...

PERMISSIONS



RESTRICTIONS



ATTRIBUTION

... preserve openness ...

PERMISSIONS



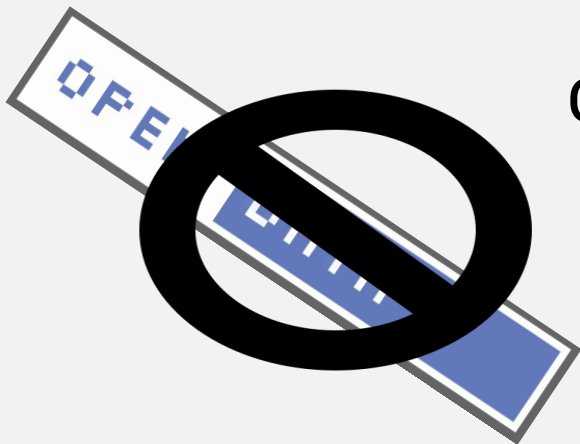
RESTRICTIONS



SHARE ALIKE



non commercial restriction
is
NOT
open data



THE OPEN DATA PRINCIPLES



1. Open by Default



2. Timely and Comprehensive



3. Accessible and Usable



4. Comparable and Interoperable

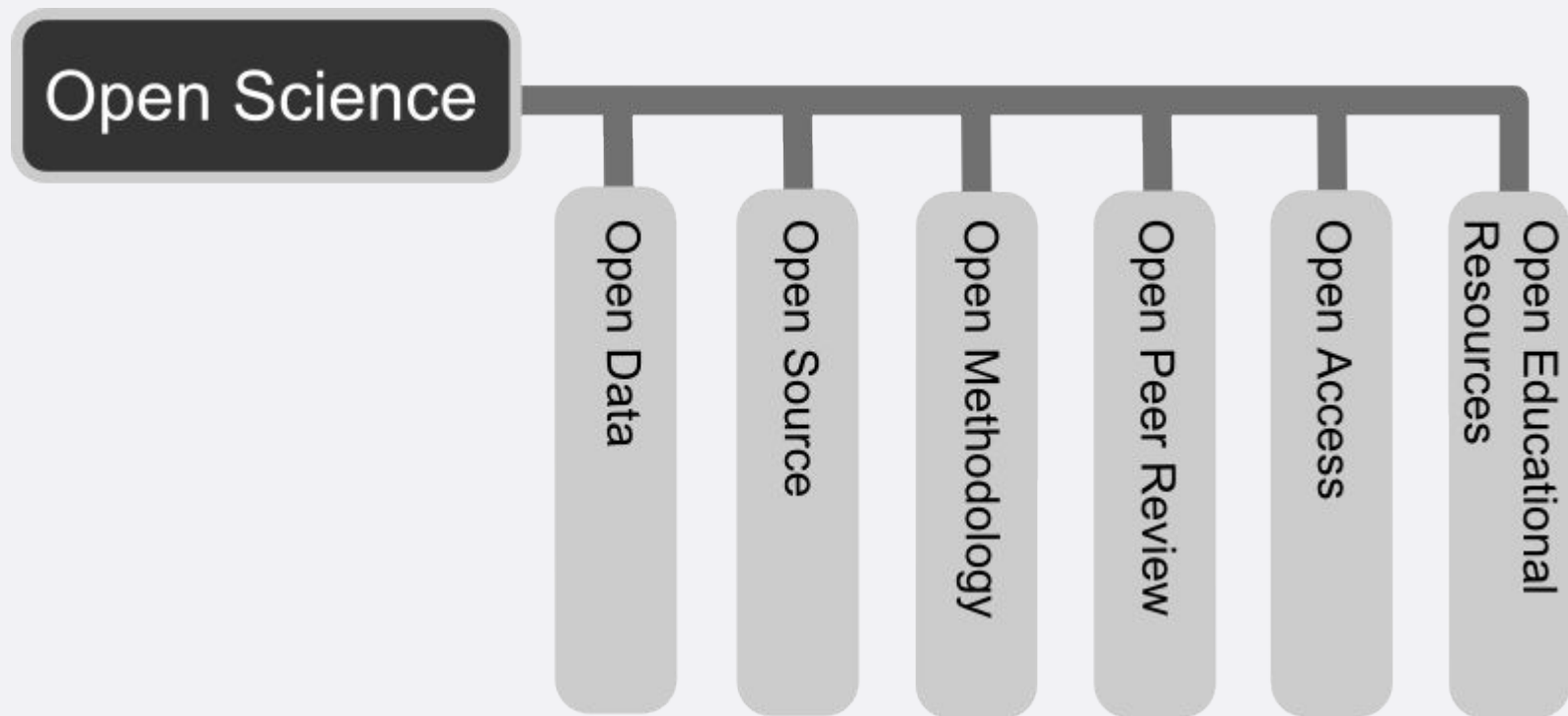


5. For Improved Governance and Citizen Engagement



6. For Inclusive Development and Innovation

<https://opendatacharter.net/>



FAIR DATA

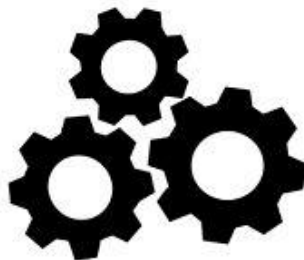
F_{indable}



A_{ccessible}



I_{nteroperable}

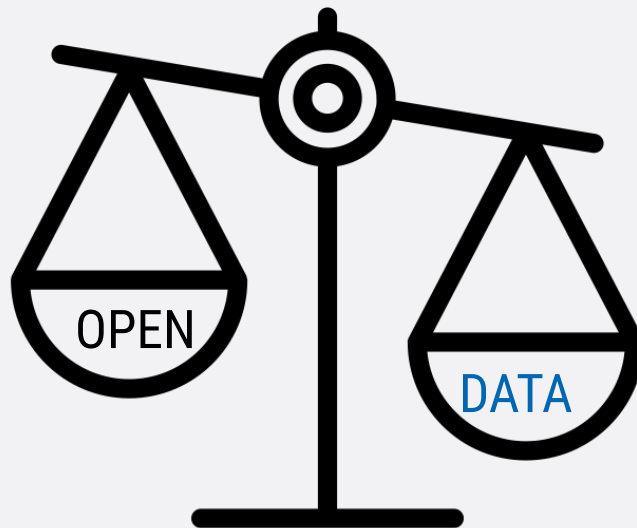
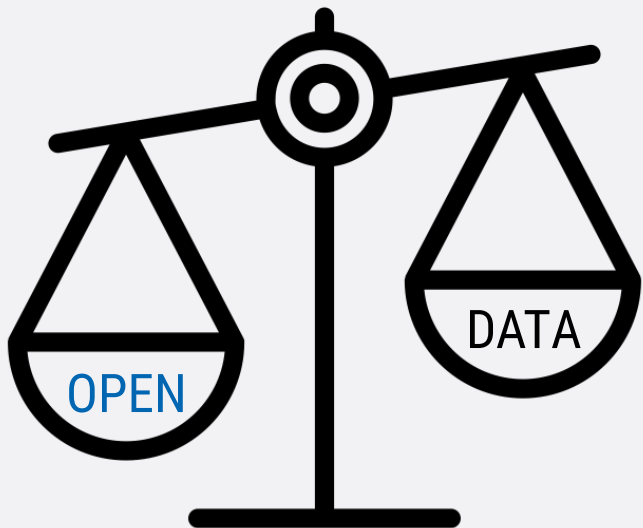


R_{eusable}

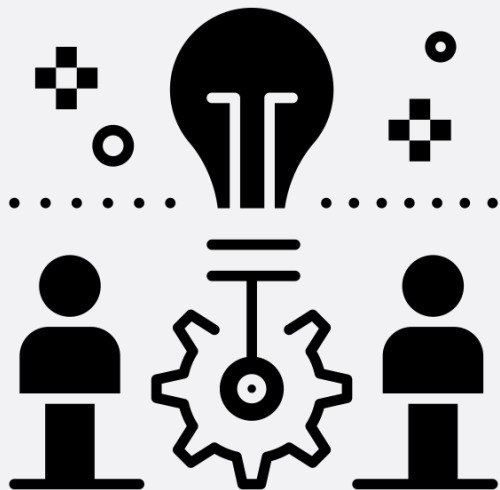




DATA is the subject
OPEN is an attribute



THE JUNK DATA PRODUCTION



THE OPEN DATA TEAM



GOAL:
Publishing of CSV online



THE RESULT



Governments still treat open data as a side project:

The Barometer results show that governments are still treating open data as isolated initiatives. Governments must prioritise and invest in open data governance to support the substantial changes needed to embed an open approach across agencies and departments.



WORLD WIDE WEB
FOUNDATION

Open Data

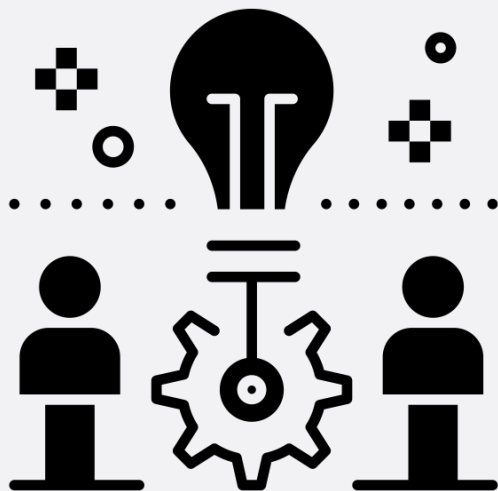
a means to an end



not an end in itself



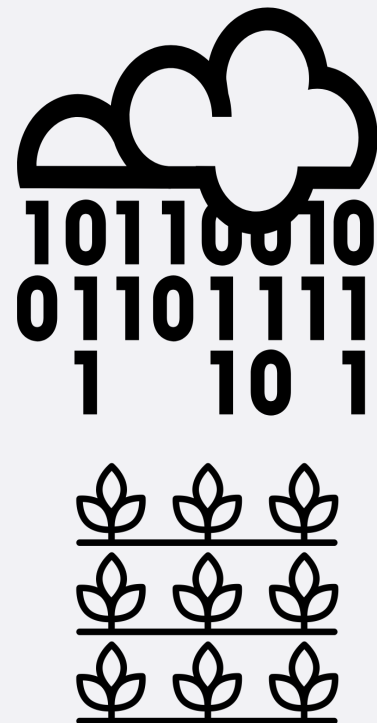
OPEN DATA DREAMING



THE OPEN DATA TEAM

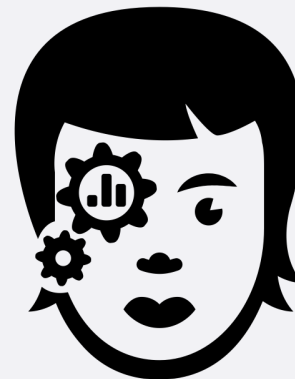
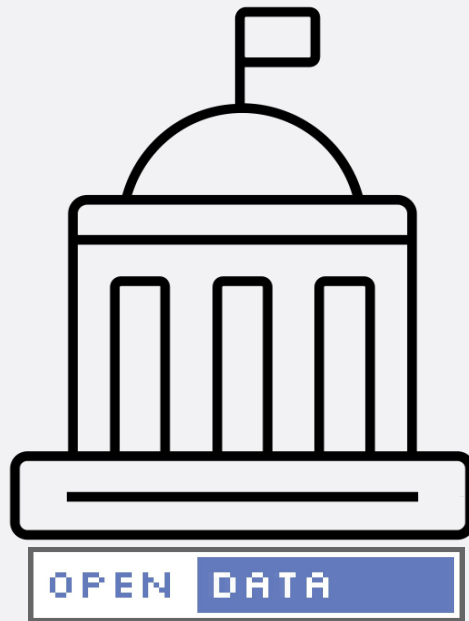


GOAL:
creating sustainable processes



AFTER 10 YEARS OF OPEN DATA

A CHANGE OF MINDSET IN THE GOVERNMENT

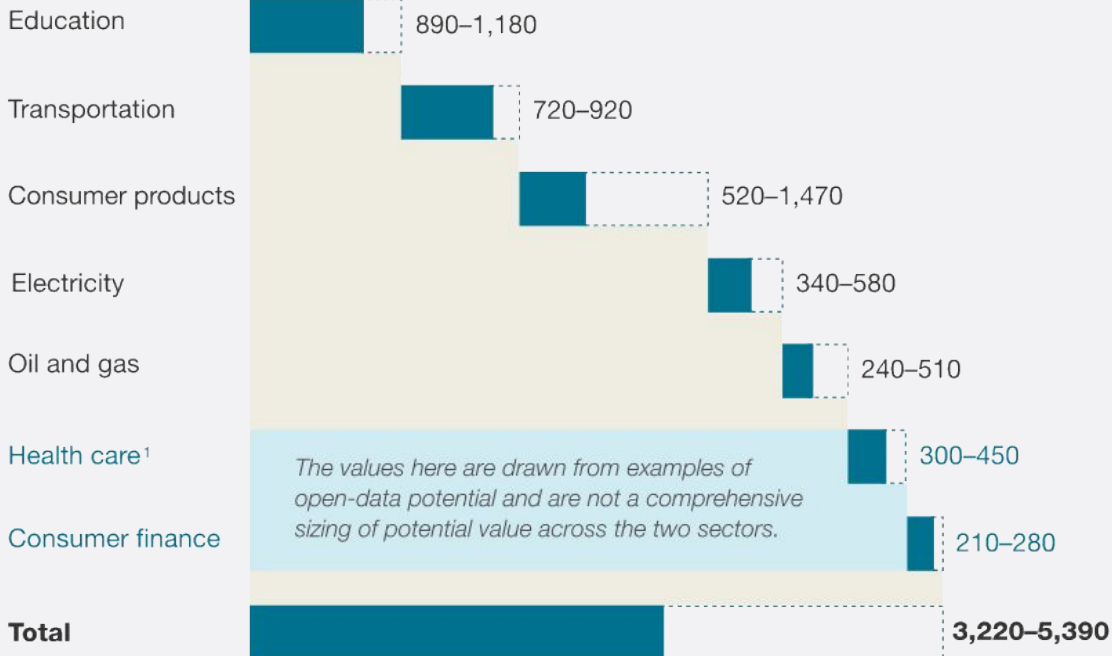


McKinsey: state of the art ?

McKinsey
& Company

Open data—public information and shared data from private sources—can help create **\$3 trillion** a year of value in seven areas of the global economy.

Potential value in open data, \$ billion



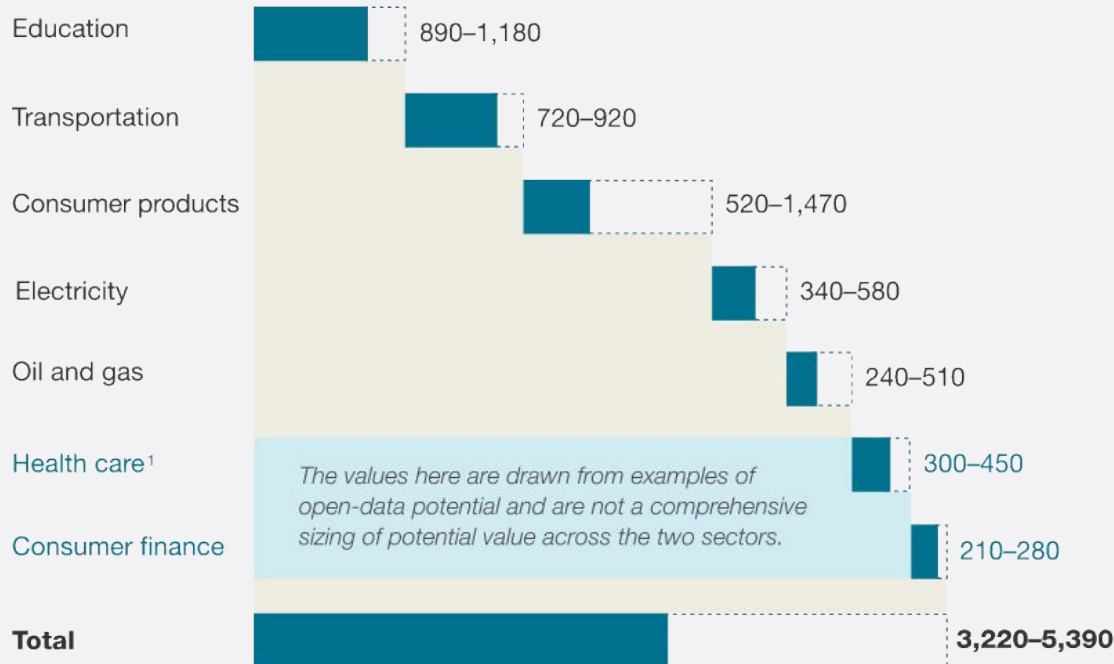
¹Includes US values only.

Source: McKinsey Global Institute analysis

McKinsey: state of the art ?

these data categories
have **not** yet been
opened

Potential value in open data, \$ billion

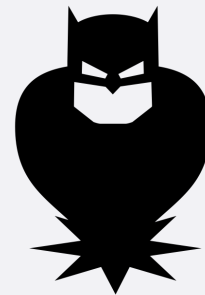


¹Includes US values only.

Source: McKinsey Global Institute analysis

Conclusions:

stop the production to Junk Data
defend the open data paradigm: it's a RIGHT
ask and again ask very sexy data
understand that public administration processes are slowly innovating



OPEN DATA

IS A COMMONS

Contacts



Maurizio Napolitano



<http://slideshare.net/napo>



napolitano@fbk.eu



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Icons from the Noun Project