



# **Making (Big) data work for Europe**

**Presentation at the Future Internet Summit, Luxembourg,  
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EUROPEAN COMMISSION

**Neelie Kroes**

Vice-President of the European Commission responsible for the Digital  
Agenda

**Data isn't a four-letter word**

Check Against Delivery  
Seul le texte prononcé fait foi  
Es gilt das gesprochene Wort



# European Council 24/25 October 2013



- 'Open data is an untapped resource with a huge potential';
- Need to enhance the potential of 'Big Data' and 'data-driven innovation': 'technologies building on 'Big Data' are "important enablers for productivity and better services'



# Strategic objectives

- Seize the opportunities provided by (big) data: Bringing about the 'data revolution' for the benefit of citizens: higher growth, more and better jobs, better-quality and more personalised products and services;
- Make up for a perceived lag in Europe's capabilities with respect to embracing the potential of (big) data;
- Preserve European values with respect to personal information;



# What are the key 'to do' items?

- Reinforce the availability of (good quality) data, improved usage opportunities through shared formats and protocols and through reinforced trust with respect to sharing of personal information
- Powerful processing
- Secure storage
- Better coordination of R&I efforts – public & private
- Better cooperation between actors
- Increase the number of skilled data workers



# Where are we with this?

Opening up data resources (PSI policy): Ongoing since December 2011:

- Revised EU Directive
- Open Access policy for scientific research results (non-binding Recommendation)
- Open Data infrastructures (EU & pan-European portal)



# Where are we with this? (II)

Funding research & innovation actions:  
€50m EU funding in 2014 alone on big & open data

The screenshot shows the European Commission Research & Innovation Participant Portal. The top navigation bar includes links for (A-Z), Sitemap, About this site, Contact, Legal Notice, Search, and English. The main header features the European Commission logo and the text "RESEARCH & INNOVATION" and "Participant Portal". The breadcrumb navigation shows European Commission > Research & Innovation > Participant Portal > Opportunities. The main content area displays the "ICT 2014 - Information and Communications Technologies" call for proposals, specifically H2020-ICT-2014-1. Key details include:

Publication date	2013-12-11	Deadline Date	2014-04-23 17:00:00 (Brussels local time)
Total Call Budget	€658,500,000	Main Pillar	Industrial Leadership
Status	Closed	OJ reference	OJ C361 of 11.12.2013

The "Topic" is "Big data and Open Data Innovation and take-up" and the "ICT-15-2014" identifier is shown. Below the main call details, there are buttons for "Topic Description", "Topic Conditions & Documents", and "Submission Service". A "Specific Challenge" section provides a detailed description of the call's purpose and scope, mentioning the need to improve the ability of European companies to build innovative multilingual data products and services, and to turn large data volumes into semantically interoperable data assets and knowledge. The horizontal activities within LEIT on data, relevant for a wide range of sectors, will be complemented in the H2020 Societal Challenges by data-related activities addressing specific areas.



## Where are we with this? (III)

Data protection reform package: 1st reading complete in EP, but no Council position:

- One single framework across EU
- One single authority competent for companies/organisations present in different MS
- Clearer rules on consent
- Rules on anonymisation/pseudonymisation
- Privacy-by-design explicitly mentioned
- Privacy impact assessments
- International data transfers



## Where are we with this? (IV)

- Strategy for high-performance computing (COM(2012)45 final) and related R&I funding (€82m for 2014)
- Strategy on cloud-computing (COM(2012)529 final)



# Where are we with this? (V)

- Intensive work ongoing to present the concrete action with respect to the other 'to do' items;
- Likely to result in a Commission Communication before the summer



Brussels, XXX  
[...](2014) XXX

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN  
PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL  
COMMITTEE AND THE COMMITTEE OF THE REGIONS



**Thank you for your attention!**

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