



## Workshop on Exploring the Positive and Negative Impacts of Big Data Across Sectors

**Wednesday, 14 October 2015**  
**9:00 AM – 05:00 PM**  
**Dublin, Ireland**

**Website:** <http://byte-project.eu/byte-workshops/>  
**Registration:** <http://sgiz.mobi/s3/1ce443266c2b>

**Organizers:** BYTE Project Partners

### **Scope:**

The BYTE project is exploring scientific and industrial organizations in Europe to gain a greater understanding of the positive and negative externalities associated with Big Data. In this workshop the results of this research will be presented including:

- A series of case studies and focus groups on Big Data in various sectors such as environment, commerce, smart cities, culture, energy, healthcare, and transport
- Horizontal analysis to identify the positive and negative impacts, practices, barriers or outcomes of Big Data projects that are shared across different case study sectors
- Evaluation of societal impacts as evidenced within the different disciplines using the case studies and the horizontal analysis as a backdrop

The BYTE case studies showed a wide range of positive externalities resulting from big data, but also how a lack of trust poses a barrier to the uptake of big data. The use of big data flourishes on larger data flows and thereby disrupts borders between organisations or between citizens and service providers. This disruption of traditional borders leads to uncertainty, distrust and reluctance to participate. It shows up as privacy concerns for citizens, while business fear losing commercial sensitive information and are uncertain about good business models to capture the benefits of big data.

The case studies point to the need for developing practices, which can re-establish certainty and assure a proper balance of interests, and policies providing incentives for the uptake of such practices in big data-based business models. The workshop will also evaluate best practices, including technical, organisational or legal measures, to address these problems.

The expected participants of the workshop include: advisory board members from examined sectors or industries, experts from the fields of social sciences, law, and political science, and representatives from industry and civil society organisations. During the workshop, participants will evaluate the current and potential positive and negative externalities based on the presented outcomes of the case studies, focus groups, and horizontal analysis.



### Agenda:

09:00 - 09:30	<b>Registration and welcome</b>
09:30 - 10:00	<b>Introduction to BYTE Project</b> <i>Trilateral Research &amp; Consulting</i>
10:00 - 11:00	<b>Externalities of Big Data:</b> <b>Case studies and focus groups in crisis informatics, culture, energy, environment, healthcare, transportation and smart cities</b> <i>University of Oslo and Case Study Partners</i> <ul style="list-style-type: none"><li>• Overview of case studies and the results of focus groups</li><li>• Big Data in Smart Cities: A Case study (Presented by Siemens AG)</li></ul>
11:00 - 12:00	<b>Working groups:</b> <ul style="list-style-type: none"><li>• Validation of Big Data needs and expectations</li><li>• Validation for identified externalities</li><li>• Discussion on the sectorial impact of identified externalities</li></ul>
12:00 - 13:00	<b>Lunch</b>
13:00 - 13:45	<b>Horizontal analysis and social impacts of positive and negative externalities</b> <i>Vrije Universiteit Brussel</i>
13:45 - 14:30	<b>Validation working groups:</b> <ul style="list-style-type: none"><li>• Validation of common externalities, practices, and barriers</li><li>• Discussion on potential societal impact of common externalities</li></ul>
14:30 - 14:45	<b>Results of horizontal analysis validation</b>
14:45 - 15:00	<b>Coffee break</b>
15:00 - 15:30	<b>Strategies for Big Data:</b> <b>Amplifying positive and diminishing negative externalities</b> <i>Vrije Universiteit Brussel</i>
15:30 - 16:15	<b>Validation working groups:</b> <ul style="list-style-type: none"><li>• Validation of best practices, including technical, organisational or legal measures</li></ul>
16:15 - 16:45	<b>Panel Discussion: Big Data in our Society: Vision 2020</b> <i>Advisory Board Members</i>
16:45 - 17:00	<b>Closing remarks</b> <i>Trilateral Research &amp; Consulting</i>

### Registration:

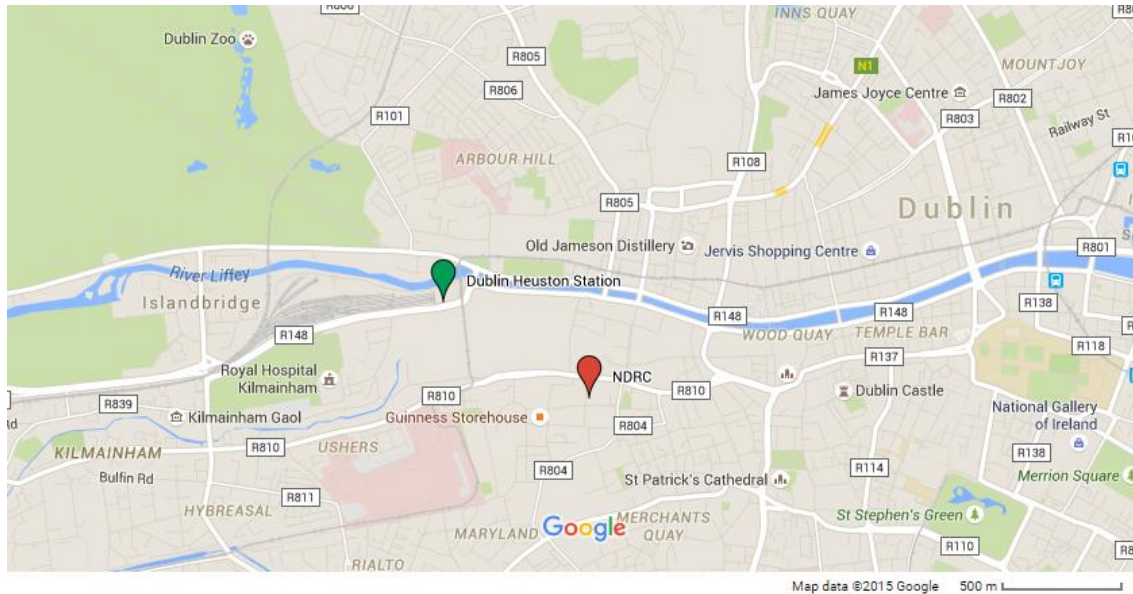
Participation in the workshop is free and open to public. Following link should be used to register for the workshop <http://sgiz.mobi/s3/1ce443266c2b>.

A limited number of travel bursaries are available to European attendees. If you wish to apply for a bursary, please contact Umair ul Hassan at [umair.ulhassan@insight-centre.org](mailto:umair.ulhassan@insight-centre.org). For more information please visit <http://byte-project.eu/byte-workshops/>.



**Venue:**

NDRC, The Digital Exchange,  
Crane Street, Dublin 8, Ireland  
Phone: +353 1 480 6252  
Website: [www.ndri.ie](http://www.ndri.ie)



**Travel:**

If you are travelling to Dublin by plane, you will arrive at **Dublin Airport**.

- Use **Airlink Express Bus** (€6/€10) to transfer from **Dublin Airport** to **Dublin Heuston Station** which is located at a walking distance from **NDRC**.
- Alternatively use taxi (approx. €20-€30). All fares are calculated on the taxi meter.
- For details visit <http://www.dublinairport.com/gns/to-from-the-airport/overview.aspx>

If you are travelling to Dublin by train, you can arrive at **Dublin Heuston Station** directly.

- For details visit <http://www.irishrail.ie/travel-information/dublin-heuston>

**Accommodation:**

Following hotels are located near the workshop venue.

**Hilton Dublin Kilmainham (4 Stars)**  
Kilmainham, Dublin 8, Ireland  
Phone: +353 (0) 1 420 1800  
Fax: +353 (0) 1 420 1866  
Website: [www.hiltondublinkilmainham.com](http://www.hiltondublinkilmainham.com)

**Ashling Hotel Dublin (4 Stars)**  
Parkgate Street, Dublin 8, Ireland.  
Phone: +353 (0)1 677 2324  
Fax: +353 (0)1 679 3783  
Website: [www.ashlinghotel.ie](http://www.ashlinghotel.ie)

**Phoenix Park Hotel (3 Stars)**  
38/39 Parkgate Street, Dublin 8, Ireland  
Phone: +353 1 677 2870  
Fax: +353 1 679 9769  
Website: [www.phoenixparkhotel.ie](http://www.phoenixparkhotel.ie)

**Tipperary House (B&B)**  
7 Parkgate Street, Dublin 8, Ireland  
Phone: +353 16795317  
Mobile: +353 876929289  
Website: [www.tipperaryhousedublin.com](http://www.tipperaryhousedublin.com)





LSTS  
LAW, SCIENCE,  
TECHNOLOGY &  
SOCIETY STUDIES  
VRIJE UNIVERSITEIT BRUSSEL  
BELGIUM



UNIVERSITY  
OF OSLO

