

EUROPEAN
**BIG DATA
VALUE** FORUM

VERSAILLES, NOV 21-23 2017



EC SO-BDVA

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European affairs
CEA List



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Workshop 1

First meeting June 20 2017

At first sight, cybersecurity and Big Data can be seen as two technological areas that are independent from each other. It may therefore be convenient to consider how both technologies can complement each other.



Relation between cyber and data technologies

For instance, using cybersecurity algorithms to **secure a data repository**; or reciprocally, using Big Data technologies to **build dynamic and smart responses** and/or protection to attacks (web crawling to gather information and learning techniques to extract relevant information).

However, it appears that Cybersecurity and Big Data technologies are much more closely related to each other. By nature, **any data manipulation presents a Cybersecurity challenge.**



The example of Data Sovereignty

The challenge of Data Sovereignty perfectly illustrates the way that both technologies can be intertwined. Data Sovereignty consists in merging personal data from several sources, always allowing the Data owner to keep control over their own data, be it by partial anonymization, secure protocols, smart contracts etc. The problem as a whole cannot be solved by considering separately each of these technologies, and especially the technologies relevant to Cybersecurity and the ones relevant to Big Data. The problem has to be solved globally on a functionally complete, and secure by design approach.

In the case of Personal data space, both security and privacy should be considered. For instance, the question relates to what privacy the personal data space exposes outside. For Industrial data spaces the question relates more to the protection of IPR, protection of data at large and secure processing of sensitive data in the cloud.



Objectives

The objective of the meeting is to identify and develop R&I joint topics contributing to both the cyber and data visions



Objectives

1. Discussing common topics of interest in the WP 2018-2020
2. Discussing common challenges towards a strategic vision for the European industry
3. find incentives for companies for sharing use cases in both areas
4. foster inter-PPP collaboration: build a consistent contribution to both SRIAs
5. Finally, a roadmap for mutual and consistent collaboration should come out of the meeting.



Contributions

Presentation of ECSO by Roberto Cascella

Data case by Pierre Pleven

Cyber case by Alexey Kirichenko

...open to anyone



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THANK YOU