

Beyond Privacy: Ethical and Societal Implications of Data Science



The e-SIDES Challenge

Everywhere we go, from our homes and workplaces to holiday destinations and shopping trips, we generate huge amounts of data which are stored, analysed and used by companies, authorities and organisations.

Big Data is a feature of our everyday lives.

Data-driven innovation is deeply **transforming society** and the economy. Although there are potentially enormous economic and social benefits, this innovation also brings **new challenges** for individual and collective privacy, security, as well as democracy and participation.

Within this framework, the EU-funded e-SIDES project has provided legal, ethical and economic guidance for Big Data and AI projects. e-SIDES has shown how these issues can be addressed through the use of **Privacy-Preserving Technologies** leveraged and implemented in their research and architectures at design time.

In particular e-SIDES, in close cooperation with the Big Data Value PPP community of research projects, has aimed to:

- **Involve the complete value chain** of Big Data stakeholders to reach a **common vision** for an ethically sound approach to Big Data processing.
- **Improve the dialogue** between data subjects and big data communities, thereby improving the **confidence of citizens** towards Big Data technologies and data markets.

“e-SIDES is aiming to improve people’s confidence in Big Data by exploring what can be done with personal data without straying into potentially unethical practices”

In a Nutshell

During three successful years of implementation, the project has brought together researchers, lawyers, ethics experts, developers, policy makers, small business, industry and civil society representatives to build a community of Big Data stakeholders approaching the topic from many different perspectives. This has allowed the project not only to drive the debate forward around Responsible Research and Innovation in Big Data but also to develop a consistent number of publicly available resources, including reports, white papers, knowledge pills, developed for and with the community.

Facts & Figures

- + 3500 stakeholders involved in our website
- + 25 events organised or attended
- +50 public reports & presentations
- 7 White papers
- 1 Community Position Paper
- **Selected as Success Story Innovation Highlight for DG Connect**

AT A GLANCE

Project acronym: e-SIDES

Project name: Ethical and Societal Implications of Data Science

Type of action: CSA

Project N°: 731873

EU contribution: € 999,940

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PARTICIPANTS

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So what's in it for you?
A whole new level
of understanding
privacy issues, that
you don't want to miss.



7 WHITE PAPERS FOR BD-AI PRACTICIONERS

One example includes:

Assessment of Privacy-Preserving Big Data Technologies Under Development

Objective: Validate privacy-preserving big data technologies under development as well as their implementation. The main research question under this deliverable was the following: How are security and privacy features in Big Data-driven innovation projects suitable to deal with the ethical, legal and societal values that come under pressure in specific big data application contexts?

Result: Beyond the continuity in assessing the present impact of technologies, impact assessments should also embrace considerations regarding potential impacts in

COMMUNITY POSITION PAPER

Towards a more accountable Big Data Governance and Responsible Innovation of Privacy Preserving Technologies

Objective: e-SIDES has collected community opinions related to the debate on how Big Data solutions can be developed and used in a responsible way, with a focus on potential privacy preserving technologies.

Result: By bringing together the viewpoints of stakeholders from different domains and with different expertise, e-SIDES stimulated further dialogue around responsible big data innovation, thus identifying the main types of Big Data stakeholders, the challenges they are faced with, and the opportunities for action which may be useful to overcome these challenges.

RECOMMENDATIONS & CONCLUSIONS

All e-SIDES recommendations

Building on the insights gained during the implementation of the e-SIDES project after an intensive 3-year process, all recommendations are presented in deliverable D5.2 together with the relevant conclusions.

