

Responsible data-driven innovation: Today and tomorrow

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Workshop Abstract

Data-driven innovation is deeply transforming society and the economy. Although there are many potential social and economic benefits, the use of big data can also have negative implications. Such implications are not limited to invasions of privacy but also include, for instance, discrimination and impairments regarding autonomy, solidarity or transparency. Privacy-preserving technologies (PPTs) tailored to the specifics of big data have received considerable attention over the last decade. Such technologies promise to help avoiding negative implications despite the increasing complexity and dynamism that characterize data-driven innovation in the age of big data. However, the integration of PPT into big data solutions has so far been very hesitant. Within the scope of the e-SIDES project, negative implications of big data, existing PPTs as well as mechanisms that drive or prevent the integration of PPTs into software solutions have been studied intensively.

The workshop will start with an introduction to responsible data-driven innovation. The introduction will be based on work carried out in the e-SIDES project. Afterwards, representatives from other projects and initiatives will share their views on the limitations and perspectives of responsible data-driven innovation. Finally, representatives from both e-SIDES and the invited projects and initiatives will form a panel and discuss questions related to the present and future of responsible data-driving innovation including:

- How responsible is data-driven innovation today? Where have we made most progress? Where do we need to intensify our efforts?
- Which measures have been particularly helpful in making data-driven innovation more responsible? Which not? What are the limitations?
- What new challenges related to responsibility are emerging in the field of data-driven innovation? How can we make sure that they are addressed?
- What perspectives does data-driven innovation have? What role will responsibility play in the future? What priorities do we need to set now?

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Project website:

<https://e-sides.eu/>



Speakers:

- Bart Custers (University of Leiden/Center for Law and Digital Technologies, e-SIDES)
- Alexandra Ebert (Mostly AI)
- Tjerk Timan (TNO, Big Data Value Association)
- Stefan Strauß (Austrian Academy of Sciences/Institute for Technology Assessment)
- Rigo Wenning (W3C, SPECIAL)

Moderator:

- Daniel Bachlechner, Fraunhofer Institute for Systems and Innovation Research