

Objective

Big data is a hot topic. Not only because the amount of digital data generated and stored has been growing exponentially over the past years, but especially because it will give rise to totally new ways of using data – bringing benefits and opportunities that previously were impossible or even inconceivable. In this sense big data is expected to revolutionise a whole range of societal activities.

The event will explore the role space has to play in this revolution. Since space itself is a domain which is subject to intense changes, the focus at the beginning of the conference will be kept wide and address the general concept of big data and its relevance for society. Subsequently, the focus will narrow to the space sector, in a presentation exploring the major technical developments, issues and trends in big data provided by satellites. Following this, the implications of big data for the creation, monitoring and implementation of policies will be addressed, with an emphasis on the European Union level. Finally, the regulatory and legal framework of big data will be explored in a presentation which looks at the major trends and issues that might arise in the foreseeable future.

19:00 - 19:05 Welcome

Peter HULSROJ, Director, ESPI

19:05 - 19:15 Introductory Remarks

Luc ST-PIERRE, Head of UN-SPIDER, United Nations Office for Outer Space Affairs

19:15 - 19:30 Scene Setting Presentation

Why Big Data is a Hot Topic and What It Means for Society

Mario MEIR-HUBER, Research Analyst, International Data Corporation Austria

19:30 - 19:45 Technical Current Status, Trends and Challenges of Space Big Data

Pier Giorgio MARCHETTI, Head of Research and Ground Segment Technology Section, European Space Agency

19:45 - 20:00 The EU Policy Perspective on Big Data (Video Presentation)

David OSIMO, Co-Founder, Open Evidence

20:00 - 20:15 The Regulatory Framework and Legal Aspects of Big Data

Alexander SOUCEK, Legal Administrator in the Legal Services Department, European Space Agency

20:15 - 20:30 Discussion

20:30 - 20:45 Conclusions

Peter HULSROJ, Director, ESPI

Reception