

SoBigData RI



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SoBigData Objectives

Respond to the demand for cross-disciplinary data-driven research and innovation:

- open ecosystem for Big Data and social mining research
- to democratise the benefits of data science and Big Data within an ethical framework that harmonizes individual rights and collective interest
- social mining is a toolbox aimed at understanding and modelling complex social phenomena and their evolution.
- combines data-driven and model-driven analytic approaches (network science, data mining, and AI): “what is” and “what if.”



SoBigData RI in a nutshell:

- A **rich catalogue** of analytical methods and datasets. They are used as a Software-as-Service.
- A **platform** providing services and computational resources to develop and perform social mining experiments
- A **distributed community** of data engineerings and data scientists.
- An **Ethical and legal board** which evaluates experiments giving feedbacks on the ethical and legal issues that may arise.

SoBigData Impact

Vertical exploratories fostering tangible progress towards grand societal challenges



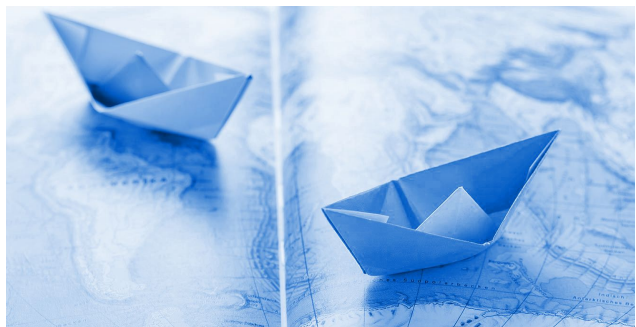
Societal Debates and Misinformation Analysis



Demography, Economy and Finance 2.0



Sustainable Cities for Citizens



Migration Studies



Social Impact of AI and explainable machine learning



Sports Data Science

Impact on scientific communication		Users community		Project community	
80+	Journal papers	9000+	VA users	100+	Researchers including PhDs
120+	Conference papers	60+	TA users	Available resources	
2	Book chapters	750+	Trainees	91	Unique big datasets
1	Monograph	5000+	Audience	94	Social mining methods and apps
120		Pilot projects developed with companies		1mln	Peak access to applications