The project performs seven case studies in transport related areas

- Railway transport data
- Open data and transport
- Real-time traffic management
- Logistics and consumer preferences
- Smart inland shipping
- Optimised transport and improved customer service
- Big data and intelligent transport systems

By obtaining your participation and feedback we will improve our knowledge about the problems, opinions and perceptions of Big Data in Transport.

IF INTERESTED, PLEASE COMPLETE THE FOLLOWING SURVEY.

The LeMO project responds decisively to the challenge of investigating the implications of the utilisation of big data in the transport field and delivers in-depth case studies, targeted horizontal analysis, and aggressive dissemination.

Specifically, it will deliver:

- Comprehensive reviews of the big data context, including policies, initiatives and key enabling technologies, as well as economic, legal, social, ethical, environmental and political perspectives, to provide a clear-cut analysis of the current, seemingly woolly and diversified conceptions of big data in the transport sector

- Comprehensive case studies incorporating a variety of transport modes across Europe, focused upon – but not limited to – the green aspects, crowd dynamics, real-time transportation and open data so as to provide empirical material for the development of research and policy roadmap to assist a wide range of stakeholders in addressing potential barriers of big data as well as harnessing the associated opportunities

- An extensive exploration on identification of methodological issues and the necessary tools in order to allow for effective transport related data analytics

Leveraging Big Data to Manage Transport Operations
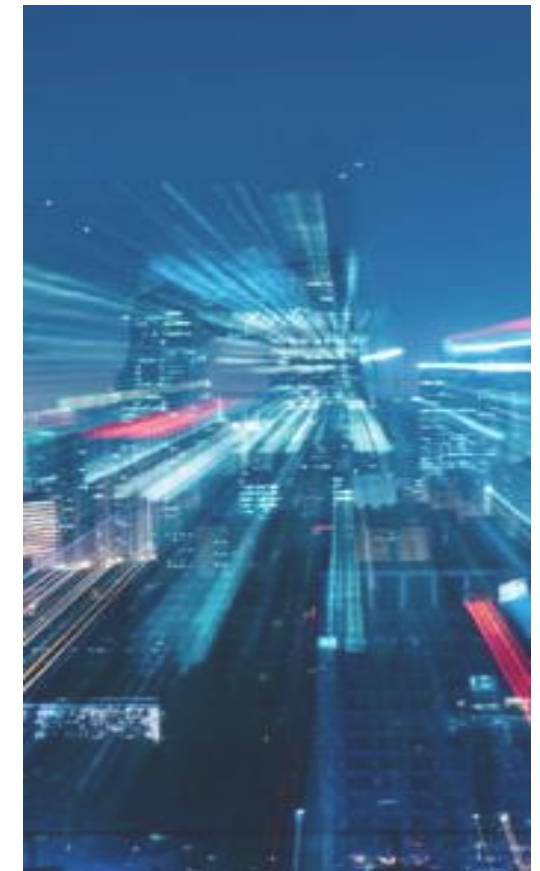
"Data is the fabric of the modern world: just like we walk down pavements, so we trace routes through data, and build knowledge and products out of it."
- **Ben Goldacre**

The project

Transport researchers and policy makers today face several challenges as they work to build efficient, safe and sustainable transportation systems. From rising congestion to growing demand for public transit, the travel behaviour and transportation preferences of city dwellers are changing fast.

Leveraging Big Data to Manage Transport Operations (LeMO) project addresses these issues by investigating the implications of the utilisation of such big data to enhance the economic sustainability and competitiveness of European transport sector.

The project examines and analyses big data in the European transport domain in particular with respect to five transport dimensions: *mode, sector, technology, policy* and *evaluation*. LeMO accomplishes this by conducting a series of case studies.

LeMO will supplement these case studies with a trend analysis to identify how opportunities, barriers and limitations are connected to Big Data practice and to each other.

LeMO recommendations can help policy and decision makers to take informed decisions.

- Contribution to evidence–based decision making by improving knowledge on methodological and exploitation issues taking also into account economic and technical considerations
- Support to transport industry in capturing benefits (efficiencies, new business models, etc.) and addressing limitations before beginning a project, initiative or programme
- Contribution to an early identification of critical issues linked to privacy, data security, legal and institutional aspects

Key outputs

- Identifies methodological and technological issues to allow for effective data mining and data exploitation
- Analyses the barriers and limitations of the transport system to exploit big data opportunities
- Designs research and policy recommendations