

PROJECT

LeMO

Leveraging Big Data to Manage Transport Operations

Funding: European (Horizon 2020)

Duration: Nov 2017 - Oct 2020

Status: Complete

Total project cost: €1,492,628

EU contribution: €1,492,627



[CORDIS RCN : 211234](#)

Background & policy context:

Big data has opened a wide spectrum of opportunities in the field of transport research. Observing the recent emergent interest in the application of big data within transport, as well as the extended scope of its applications, it is evident that most of the challenges have yet to be addressed.

Objectives:

Leveraging Big Data to Manage Transport Operations (LeMO) project will explore the implications of the utilisation of big data to enhance the economic sustainability and competitiveness of European transport sector. The project will study and analyse big data in the European transport domain in particular with respect to five transport dimensions: mode, sector, technology, policy and evaluation. LeMO will accomplish this by conducting a series of case studies, in order to provide recommendations on the prerequisites of effective big data implementation in the transport field.

Through case studies, LeMO will investigate methodological, technological, governmental and institutional issues, which in turn contribute to evidence-based decision making. LeMO will supplement these case studies with a horizontal analysis that identifies the barriers and limitations of the transportation system to exploit big data opportunities. In collaboration with strong advisory and reference group, and expert stakeholders, LeMO will devise and develop research and policy roadmap that will provide incremental steps necessary towards data openness and sharing to make transport safer, more efficient and more sustainable. Notably, LeMO will bring crucial issues linked to privacy, data security and legal aspects to the forefront, paving the way for future legal framework for the collection and exploitation of big data in transport.

Furthermore, LeMO will disseminate project findings to a large population of stakeholders, including transport authorities and industries leading to better understanding of travellers' and consumers' behaviour, targeted information and identify policy interventions.

Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

Stiftinga Vestlandsforskning

Address:

SOGNAHALLEN
6856 SOGNDAL
Norway

Organisation Website:

<http://www.vestforsk.no>

EU Contribution: €494,937

Partner Organisations:

Johann Wolfgang Goethe-Universität Frankfurt Am Main

Address:

THEODOR W ADORNO PLATZ 1
60323 FRANKFURT AM MAIN
Germany

Organisation Website:

<http://www.uni-frankfurt.de>

EU Contribution: €203,875

Bird & Bird LLP

Address:

FETTER LANE 15
LONDON
EC4A 1JP
United Kingdom

EU Contribution: €265,625

Panteia Bv

Address:

Sir Winston Churchilllaan
2288 DC Rijswijk
Netherlands

EU Contribution: €313,815

Confederation Of Organisations In Road Transport Enforcement Aisbl

Address:

Avenue Eugene Plasky 22
1030 Bruxelles
Belgium

Organisation Website:

<http://www.corte.be>

EU Contribution: €214,375

Technologies:

Unclassified
Non-technology

STRIA Roadmaps:

Cooperative, connected and automated transport, Network and traffic management systems, Smart mobility and services

Transport mode: Multimodal transport

Transport sectors: Passenger transport, Freight transport
Societal/Economic issues,

Transport policies: Digitalisation

Geo-spatial type: Other

