LEAD

LOW-EMISSION ADAPTIVE LAST MILE LOGISTICS SUPPORTING ON DEMAND ECONOMY THROUGH DIGITAL TWINS

Start Date: June 2020

36	25	10
Months	Partners	Countries

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CIVITAS 2030
Sustainable and smart mobility for all

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LEAD-H2020

WHAT IS LEAD?

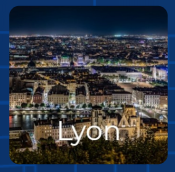
LEAD will create Digital Twins of urban logistics networks in six TEN-T urban nodes to support experimentation and decision making with on-demand logistics operations in a public-private urban setting. City logistics solutions will be represented by a set of value case scenarios that address the requirements of the on-demand economy and the pressures caused by the increase of parcel deliveries while aligning competing interests and creating value for all different stakeholders. Each value case will combine several measures coined as LEAD Strategies to cover the complete dynamics and complexity of cities' logistics challenges.

VISION

LEAD aims to design a framework for smart city logistics, thus setting the foundations for the development of large-scale city Digital Twins. By exploiting contextual, sensor and real-time operational data, city-scale Digital Twins will facilitate the comprehension of the dynamics of logistics networks in the city and the integrated planning and management of freight movement.

LEAD LIVING LABS

LEAD Living Labs are stakeholder-centred ecosystems, operating in an urban node context, to systematically test and evaluate innovative ideas and technological solutions in real-life use cases. LEAD strategies will be implemented in six TEN-T urban nodes.



LEAD STRATEGIES FOR SHARED, CONNECTED, AND LOW EMISSION LOGISTICS OPERATIONS

Innovative business models

Agile freight storage and distribution

Low emissions delivery vehicles

Smart data-driven logistics solutions

THE LEAD TRANSFERABILITY PLATFORM

The LEAD Transferability Platform will bring together external local authorities to benefit from a tailored transferability programme building upon LEAD's results. This includes capacity-building, training, technical visits, interactive workshops, and customised feedback.

LEAD INNOVATIONS

DIGITAL TWINS IN LAST MILE LOGISTICS

HELPING CITIES EMBRACE TECHNOLOGY ADVANCEMENTS AND DATA-VALUE

CO-CREATION FOR ON-DEMAND ECONOMY

SPEEDING UP TRANSITION TOWARDS THE PHYSICAL INTERNET PARADGIM

MEET THE PARTNERS

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System X

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LPA

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