

# BOOSTLOG

## URBAN LOGISTICS CLOUD REPORT



### SCOPE

The landscape of urban logistics has been shaped by many EU funded projects that had been a pioneer on many new solutions, results in changes in policy and business models. As urban environment is complex, concrete implementation in business model and policy can take very long time.

BOOSTLOG aims to acknowledge those **pioneer projects** that have initiated discussions and policy developments in urban logistics, even though concrete implementations have not yet completed.

The **Urban Logistics cloud focuses on assessing the R&I results, outcomes and implementation cases** in the field of urban logistics, defining next steps to reach impact and contribute to freight transport efficiency and to support addressing Climate Change.

In BOOSTLOG, the Urban Logistics definition takes its inspiration from the EC's **New Urban Mobility Framework** in which the active **engagement and collaboration between local authorities, companies and civil society is a turning point** to optimising urban logistics from **economic, social and environmental perspectives**.

### PROJECTS INCLUDED IN THE CLOUD REPORT



### MAIN OUTCOMES

There are 12 main outcomes and below we show for 3 implementation cases.

<h4>Switch to sustainable vehicles</h4> <ul style="list-style-type: none"> <li>• CITY MOVE</li> <li>• DELIVER</li> <li>• FREVUE</li> <li>• FURBOT</li> <li>• V-FEATHER</li> </ul>	<h4>ICT for planning, coordinating, controlling logistics</h4> <ul style="list-style-type: none"> <li>• CITYLOG</li> <li>• FIDEUS</li> <li>• INSTANT MOBILITY</li> <li>• MOSCA</li> </ul>	<h4>Governance and networks</h4> <ul style="list-style-type: none"> <li>• CITY FREIGHT</li> <li>• CITYLAB</li> <li>• VitalNodes</li> </ul>
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### IMPLEMENTATION CASES

#### SEUL UPS – An “intelligent” approach to charging

SEUL project developed a **smart charging system**. It spreads charging throughout the night so that the building can use the power it needs to run the business of logistics (lights, sortation machinery and IT), while also ensuring that all EVs are fully charged by the time they are needed in the morning, all while never exceeding the maximum power available from the grid. More recently, SEUL has given rise to a **successor initiative** EFLES (EV fleet-centred local energy systems), where SEUL concentrated on reducing or eliminating the need for costly and disruptive network upgrades, EFLES is focused on unlocking the value of optimising the timing of the purchase of energy. The successfully commissioned smart charging system will now allow **UPS to electrify and charge its entire central London fleet** of 170 vehicles without further costly and disruptive physical grid reinforcements.

European R&I project: FREVUE - FP7



More Electric Vehicles (EVs) on the street, improving air quality and proving that electric really works

#### Padova Cityporto – a case UCC success

Cityporto is an **Urban Consolidation Centre (UCC)** service operational in Padua (IT), focusing on deliveries to the central area ‘Low Traffic Zone’. Deliveries are performed by LNG-powered vans. Cityporto is **one of the few successful experiences** of this type in Italy. Since 2005 to 2019 Interporto performed 1,120,000 deliveries, ensuring tangible improvement of the urban environment by reducing traffic and pollution.

**Success factors** are:

- Stakeholders involvement and full support of Municipality
- Industrial plan focused on economic sustainability
- Voluntary subscription of the operators to the service
- Location of a freight village close to the urban area
- Gradual steps of implementation of the activities

European R&I project: MOSCA - FP5



#### SULP topic guide - ELTIS

The SULP (Sustainable Urban Logistics Planning) topic guide provides practical assistance to a city on how it should address the urban logistics aspect in the city's SUMP. It gives evidence on which parts of the SUMP process a dedicated **Sustainable Urban Logistics Planning** process is needed. The document was published by **ELTIS**, the Europe's main observatory on urban mobility, financed by the European Commission's Directorate General for Mobility and Transport as part of a compendium of guides and briefings that complement the SUMP Guidelines. Almost three years after the completion of the Topic Guide the document constitutes **the main guiding reference** at European level for the development of SULP in several European cities proving its ability to cover the stakeholders needs.

European R&I project: NOVELOG - H2020



### IMPLEMENTATION PATHS

- Cities need concrete **plan of data collection** to be done systematically for freight.
- Logistics operators need to see their **priorities reflected** in the initiatives and policies adopted by local authorities
- R&D projects to be more **market oriented** (this also enhances **transferability**) of the best practices tested in other cities

#### Success factor: Collaboration between private and public stakeholders

- Alignment on challenges in the city
- Industry priorities to be identified, supported and integrated into policy making
- Data sharing and collection with trust (on a regular basis)

Link to Cloud Report

