



ADVANCED LOGISTICS  
PLATFORM WITH  
ROAD PRICING AND  
ACCESS CRITERIA TO  
IMPROVE URBAN  
ENVIRONMENT AND  
MOBILITY OF GOODS



With the contribution of the  
LIFE financial instrument  
of the European Commission

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## **SHORT SUMMARY**

### **LIFE ASPIRE**

#### **“Advanced logistics platform with road pricing and access criteria to improve urban environment and mobility of goods”**

LIFE ASPIRE will put in place a number of actions that could lead to a significant improvement of sustainability of freight mobility processes in urban areas resulting in a reduction of polluting emissions and improvement in air quality.

The objective of the project is to develop an innovative “credit-based” management policies for freight traffic in urban area, to implement new city logistics services and supporting ICT to promote sustainable and smart management of urban environment and commercial traffic in project’s cities.

Three technological systems will be tested in Lucca urban area: a smart monitoring system for freight vehicles, within the LTZ, using RFID sensors; an innovative system for monitoring freight load/unload parking areas and a service of cargo-bike sharing dedicated to the freight operators. The integrated management and control of these systems will be done through a dedicated platform, a device that will allow to manage freight urban mobility in a “smart” manner. For a regulatory point of view, the intervention foreseen are devoted to bring, in accordance with the sector operators, a system that could encourage a more sustainable urban freight transport and the virtuous behaviours of the operators.

In terms of communication and dissemination, the project aims to raise awareness on sustainable and energy efficient urban logistics needs and solutions in European Historic Towns.

The demonstration activities in Lucca will be shared with the other cities partner of the project, Stockholm (Sweden) and Zadar (Croatia) taking into account the peculiarity of their different contexts.

**Duration:** 01/10/2017 – 30/09/2020

**Partnership:** LIFE ASPIRE is a pilot project led by the **Municipality of Lucca** and involves other 5 partners (3 coming from Italy, 1 from Croatia and 1 from Sweden). More in details: Kiunsys (Pisa); MemEx (Livorno), Lucense (Lucca), Grad Zadar and the City of Stockholm.