

Project Summary

Name of Project/Initiative

LIFE ASPIRE

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



Type of Project/Initiative:

ASPIRE is a pilot project funded by EU Commission under **LIFE** Program led by the **Municipality of Lucca**, involving 6 partners from 3 different EU Countries (Italy, Croatia and Sweden) in collaboration with the cities of Stockholm and Zadar. ASPIRE aims at implement a set of innovative measures – regulatory, organizational, operational and technological in order to achieve higher standards of energy efficiency and urban air quality.

Short Description:

Starting from the current mobility and regulation context in **Lucca** and taking into account the existing logistics services and the role of the Urban Consolidation Center (LuccaPort), LIFE ASPIRE defines and implements a “**credit based**” access policy allowing flexible road pricing criteria related to the last mile goods delivery. For managing this innovative policy, LIFE ASPIRE will implement in Lucca a Logistics Credit Management Platform (**LOCMAP**), integrated with two other services (Loading/Unloading **Parking lots** and **Cargo-bike** Sharing) and with the existing access control system dedicated to control commercial vehicles entrance/exit in the LTZ (OCR + RFID technology). The replicability and transferability of this “credit based” Access Control Policy and the related new logistics services will be verified at European level in collaboration with a large city, **Stockholm** (SE) and small town **Zadar** (HR), taking into account their specific contexts.

Time Period of Implementation:

LIFE ASPIRE **started on 1 October 2017** lasting for 36 months.

Key Locations of Implementation:

LIFE ASPIRE measures and services will be implemented in the City of **Lucca**; the Replicability and Transferability analysis will be performed respectively in **Zadar** and **Stockholm**.

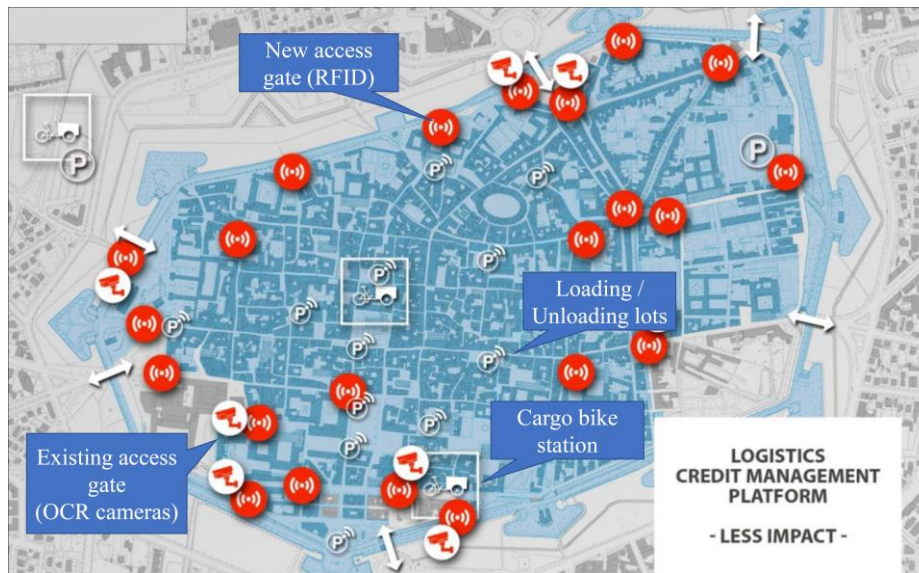
Urban Freight Issue(s) of Concern:

The implementation of **LIFE ASPIRE** activities and measures will lead to a new approach for urban freight distribution management, and in particular for last mile deliveries, addressing the issue of a nearly-zero emission by the adoption of soft measures (RFID & SW enforcement), eco-sustainable logistics services (Load/Unload Parking lots and Cargo-bike Sharing) and effective/innovative rules (incentive by credits, etc.).

Federal Highway Administration (FHWA)-European Commission (EC)

Urban Freight Roundtable

Washington, DC January 11, 2018



Stakeholder Involvement:

In order to ensure a proper development of LIFE ASPIRE measures, all relevant stakeholders and target groups are going to be involved. Local Authority of Lucca Zadar and Stockholm are directly involved in measures planning and demonstration through the Cities & Stakeholder Supporting Forum (CSSF).

A Scientific and Technical Committee is established, involving University and Research Institute, which will directly contribute to the assessment of the innovative approach and measures of LIFE ASPIRE.

Local, Regional and National policy makers will be involved especially for the regulation and research developments and initiatives. Local Trade, Craftsmen, Commerce Associations and Transport Operators will also be involved in order to collect suggestions and indications for evaluating the LIFE ASPIRE measures after the demonstration phase. Finally, Citizens, Public Transport users and goods distribution system users will be involved in the demonstration as direct end-users of the LIFE ASPIRE services.

Expected Outcomes:

The implementation of LIFE ASPIRE will enable to **reduce the current level of freight traffic** by decreasing the total number of commercial vehicles in last mile deliveries operations in the inner historic center of Lucca (and in particular in pedestrian and limited traffic zones) and, consequently, will reduce the current levels of environmental pollution, noise and vibration due to commercial vehicle emissions. The approach based on “**credit access policy**” will be evaluated also from **transferability/replicability** both at large city level (Stockholm) and small town (Zadar) in order to support the European policy/directive for the Freight Urban Transport (FUT). In particular the **role of Urban Consolidation Center** (LuccaPort) will be assessed in this new policy, control and services urban framework.

Relevant Website/Sources:

<http://ec.europa.eu/environment/life/>

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