

D14.1 FALACUS demonstrator - FAsTLane through CUStoms Itay – US trade lanes

Summary of demonstrator objectives

The FALACUS demonstrator is based on a multimodal supply chain of ceramics tiles extending along the international corridor between Italy and USA.

The overall FALACUS objective is to support the stakeholders involved along the whole supply chain (both business and administrations) dealing with security threats within logistic chains by utilizing 'best of breed' technology options and risk mitigation services as part of an integrated approach towards the management of Door to Door (D2D) services along transportation corridors. More specifically, the focus of this demonstrator is on improving the supply chain performances, in terms of the "time-to-market" and costs efficiency, by:

- Reducing the time reaching the market for the entire supply chain.
- Enhancing the supply chain transparency and resiliency.
- Reducing the barriers to trade or delays in commerce between member states and their international trading partners.
- Enabling integrated supply chain management for all modes of transport.
- Enhancing the capabilities of Customs administrations and strengthening solutions to improve their capability to detect high-risk consignments.
- Promoting cooperation between the Customs and business communities.

Methodology

The FALACUS demonstrator makes use of the Living Lab dynamic test environment. For this Living Lab demonstrator, the main objectives are:

- describe the FALACUS demonstrator main characteristics, bottlenecks, and lacks/weaknesses in terms of supply chain performances and supply chain security;
- describe the main innovations and solutions that the LL14 partnership will identify and apply/implement in the FALACUS demonstrator.
- provide a detailed framework that will guide all activities for the implementation of the demonstrator.
- enable better control of the activities in terms of timing, critical issues, planned vs completed tasks.

Progress to date

The Living Lab experienced a delay in the starting of its activities, due to the fact that the shipper of the demonstrator changed after the project start. Fortunately, a new partner joined the working group after few months, bringing the needed experience, knowhow and motivation useful to make rapid progress with the activities and to recover the delay experienced.

The current status of the task is that work has been done by the Living Lab core working group on defining the AS IS situation, focused mainly in understanding the current business and operational scenario of the selected supply chain.

During the first year of the project, the main focus has been put on:

- detailing all the stakeholders involved and the business relations among them,
- analyzing the business context and the logistics processes and aspects (operational) of the supply chain,
- identifying (preliminarily) the current problems and threats along the chain in terms of security,
- defining and describing the ambition of the demonstrator as well as of each single participant.

Concerning the security risks and threats, a particular focus has been put on the phytosanitary problem, typically affecting the commodity of the supply chain (ceramics products). This problem comes directly from a shipper business need as it has a significant relevance on its trading performances; thus, this will be one of the main points to be overcome by the demonstrator thanks to the CORE initiative.