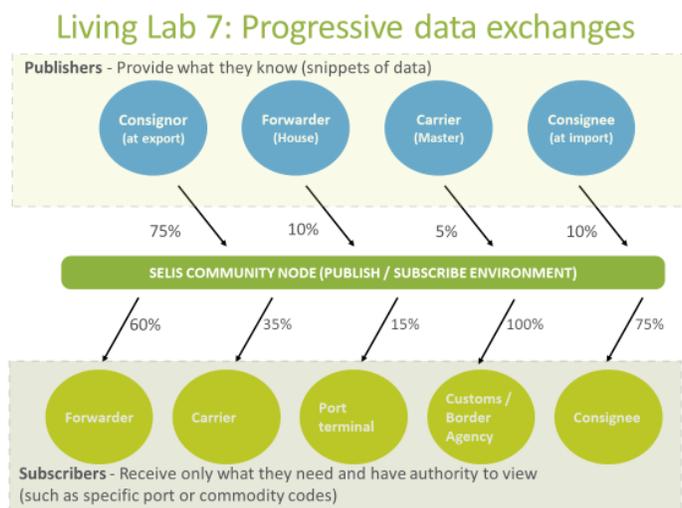# Towards a Shared European Logistics Intelligent Information Space

SELIS LL7 presents to the World Customs Organisation

Living Lab[1] 7 (LL7), "Customs & cross-border interactions through SELIS", represented by CONEX, was privileged to have been invited to present its project at the 76th Meeting of the Information Management Sub-Committee (IMSC) of the World Customs Organisation (WCO), which took place in Brussels on May 23rd and 24th 2019. The IMSC is responsible for the maintenance of the WCO Data Model through its Data Modelling Project Team (DMPT), with the task of ensuring that it is kept up to date with changing or new requirements in the Customs and regulatory single window environment.

Living Lab 7 further explores the concept of using data pipeline principles to collect supply chain information from the original source, exchanging those data elements using a globally standardised Pipeline Data Exchange Structures (PDES) and then making the improved data available earlier to cross-border agencies, either directly or through the SELIS Community Node.   Data, collected at key moments or "Waypoints" along the supply chain as it becomes available, are provided to cross-border agencies in data subsets or "snippets". The project's aim is to show how data collected as early as possible and constructed over time using pipeline principles can enhance risk analysis and facilitate e-compliance for economic operators. At the same

time, these new techniques can increase efficiency levels for cross-border agencies which will be able to free up existing resources to focus on unknown or potentially illegal consignments. LL7 demonstrates these principles through 4 cross-border demonstrator scenarios.

In the IMSC work session entitled "Interconnectivity and Interoperability", LL7 was given the opportunity to share details of its project's key principles with the assembled Customs administration representatives from around the world. Of particular relevance was the description of LL7's use of the UN/CEFACT Reference Data Models which are aligned with the EU Customs Data Model (EUCDM), itself the EU implementation of the WCO Data Model. In addition, LL7 was able to demonstrate the benefits of deploying the WCO Unique Consignment Reference (UCR) concept.

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[1] The SELIS Living Labs (LL) are the established project mechanism (a) to demonstrate the benefits and the values made possible by the SELIS solutions set utilising big data architectures, secure communications, connectivity, information exchanges, analytics, datamining and machine learning, (b) to assess their importance and their impact on SMEs, measurable through KPIs, and (c) based on the stakeholders' feedback, to continuously improve these solutions for the optimal implementation of innovative strategies and applications across the supply chain.

In a pipeline environment, information is made available to cross-border agencies progressively and potentially by multiple filers. As a result, identifiers which can link the individual waypoint filings (snippets) of a specific cross-border clearance process are essential. The use of UCRs together with transport equipment and transport means identifiers allow the required linkages to be ensured. As shown below, the LL7 PDES uses UCRs at three levels, linking master, house and trade data.

The LL7 presentation drew discussion and questions from IMSC members who expressed interest in exploring ways of developing greater interoperability between the WCO Data Model and other global data standards such as UN/CEFACT Multimodal and Supply Chain Reference Data Models (MMT RDM and SCRDM). Such interoperability between reference data model standards would assist in enabling cross-border agencies to accept standardised pre-arrival supply chain data transmitted progressively, as promoted by LL7. This would potentially help to de-risk the supply chain for legitimate traders and lead to greater visibility and enhanced cross-border operations for all stakeholders.

The LL7 presentation is being followed up by a request for feedback via a questionnaire, the analysis of the results of which is important for the understanding of the pertinence of the principles being tested, especially with regards to assisting authority risk assessment needs and economic operator compliance.

If you wish to provide your thoughts, please complete the questionnaire by clicking here.

Article written by:

Kaye CHERI
International Development Manager
CONEX i-way to customs