



## Towards a Shared European Logistics Intelligent Information Space



**SELIS Newsletter**  
**July 2018**

Welcome to our SELIS Newsletter - the project is approaching its third year and exciting results are beginning to emerge; - a reminder that the objective of SELIS is to deliver a 'platform for pan-European logistics applications' by:

→ Embracing a wide spectrum of logistics perspectives and creating a unifying, operational and strategic business innovation agenda for pan European Green Logistics.

→ Establishing an exceptionally strong consortium of logistics stakeholders and ICT providers, that can leverage EU IP from over 40 projects so as to create proof of concept Common Communication and navigation platforms for pan-European logistics applications deployed in 8 living labs representing the principal logistics communities.

→ Establishing a research and innovation environment using the living labs to provide data that can be used for discovery of new insights that will enable continuous value creation supporting the large scale adoption of SELIS.



### **Living Lab 8 - "Shipper Driven Continued Investment in Green Logistics"**

This Living Lab has been established to address the business requirements of two companies: ELGEKA, the largest Greek commercial company in the food sector and Sonae, a multinational company in Portugal managing a diversified portfolio of businesses in retail, financial services, technology, shopping centres and telecommunications.

Both cases are utilizing SELIS developed technologies and tools; aimed to significantly enhance Supply Chain Visibility (SCV) and consequently materialize improvements both in Supply Chain Financing (SCF) as well as Inventory Management (IM).

Both cases are enabled by the patentable Supply Chain Excellence Score, an independent algorithm that relates multiple SCV parameters (such as geographical distribution, various business models and their respective impact, etc.) with Supply Chain (SC) quality and reliability. This score can then be utilized either to calculate the Cost of Financing the respective SC or as input to Supply Chain Optimization (SCO).

LL8 involves the implementation of a secure communication network based on a dedicated SELIS Community Node (SCN) allowing the collaboration between all involved stakeholders (retailer/ supplier, shippers/logistic service providers (LSPs), depositors/debtors) of the SC, with the sender of goods having the central role. SC Visibility has also been significantly enhanced, through seamless consolidation of initially disconnected data sources and information flows. Retail supply chains, especially in food retail, lack collaboration. This use case aims to change the Portuguese paradigm of retail by engaging suppliers and retailers in collaboration acts such as planning and agreement. LL8 has also successfully demonstrated the value that can be achieved through SELIS solutions influencing Financial Performance Indicators and facilitating optimizations for the involved Small Medium Enterprises (SMEs) through enhanced visibility.

Further optimization is expected across the supply chain via utilization of Big Data Sources and Analytics in the second half of the SELIS project.



### Women in Technology – 1st Birthday

Some of the participants of the SELIS project - Hinde Boulbayem from Sumy, Brussels and Ida Srdić from IBM, Ireland Innovation Exchange Lab were invited to participate and celebrate the first birthday of Women in Technology. The event took place in the beautiful venue of Place Royal, Brussels.

Julie Foulon, Cofounder of Girleek moderated the session with Caroline Coesemans, Head of Legal & Public Policy in Google and Innovation Manager Ida Srdic. They shared lots of ideas on how to empower women and engage them in the technology sector which is currently very male dominated and women are in the minority.

Ida explained that one of major goals of SELIS is to reduce CO2 emission through the introduction of innovative digital services and business models and the impact of innovation management methodology and processes that she introduced to remove traditional inhibitors and barriers for inventors. This resulted in two inventions emanating from two women and entrepreneurs – Britta Balden and Hinde Boulbayem. Ida expressed her feelings on how great it is to work with them and how it will be to live in the future with their innovations. Women are more sensitive to criticism, especially around intellectual property creation, and without clear and objective guidelines, taking into account feedback from inventors they will never enrol themselves in this process. Women are extremely practical and innovative but statistics here are also not in our favour.

[To see the full article click here](#)



### **SELIS Community Node and SUMY's prototype on collaborative planning Digital Logistics (Workshop) – Brussels**

SUMY is a sustainable urban logistics provider that is proposing consolidated out of hours and night distribution deliveries. The transport chain has several transportation legs (e.g. consolidated transport from EU platforms to Brussels, trans-shipment in Brussels, last-mile distribution in Brussels) and therefore offers efficient coordination between the long distance, regional and last mile transportation. SUMY addresses the optimization of the urban freight transportation.

SELIS project was born following an important demand for collaboration between Transport and Logistics stakeholders and a better exchange of data in order to provide a sustainable model of logistics driven by green strategies. SELIS is providing a web platform integrating all actors of the supply chain in order to allow collaborative planning with the aim of reducing the number of vehicles-km on the road.

As Living Lab 3, SUMY and other members of WP6 (Capacity Building team) organized a workshop called "Digital Logistics, SELIS Community Node and SUMY's prototype on collaborative planning".

After several months of work, WP6 team and its IT support team were able to propose an application's prototype that will enable drivers, logistic providers and shippers to better communicate with each other. This way, we could have a better flow of information concerning orders, needed volumes and volumes actually delivered. This digitalization will lead to a better optimization of the vehicle load factor and therefore respect the European Green Logistics Strategies (EGLS) that are driving this EU-project.

The objectives of this workshop were to demonstrate the SELIS Community Node and the prototype through different use cases and get the feedback of the attendees (potential users) through an interactive questionnaire. The attendees were able to answer directly on their smartphones. This questionnaire was aimed at assessing the adoption and implementation of SELIS solutions, from design and development phase into the implementation phase. It evaluates the overall activities of the development and implementation of the SELIS solutions in terms of the expectations, perceived benefits, success of objectives met, lessons learned. The results will be used to share lessons learned with the SELIS community which will support in ensuring that the stakeholders get the highest possible benefit in order to be able to realize green logistics strategies.

Thereafter, the idea is to reshape and update the prototype to better fit to stakeholder's needs.

An updated version of the prototype will be showcased in a second workshop next October where retailers, shippers, carriers and public administrations are expected.

**SuSustainable Urban Mobility Summit**  
**2<sup>nd</sup>/3<sup>rd</sup> July, MIT, Massachusetts Institute of Technology**  
**Center for Transportation & Logistics**

SUMY, the sustainable urban logistic provider described in the previous post, led the first sustainable urban mobility summit with the participation of the Center for Transportation & Logistics in the Massachusetts Institute of Technology and the Zaragoza Logistics Center

The purpose of this summit was to present the latest research and advances in urban mobility with the main goal to be more sustainable and reduce the environmental impact of the urban transport services.



Prestigious researchers at the CTL in the MIT working on several studies such as supply chain traceability, block chain, fuel efficiency improvement when assigning vehicles, routing and locating facilities shared their knowledge and latest investigations. SUMY explained several of the good practices the company is performing to be more sustainable and efficient. This urban logistics service provider which represents the LL3 in

the SELIS project is one of the pilots for developing a carbon toolbox to calculate more accurate GHG emissions. This ICT tool is based on a simple, flexible and transparent methodology which aims to harmonize, as much and as consistently as possible existing methodologies, the GLEC Framework. This helps in improving the comparability of individual calculations whether for an annual inventory, a specific transport service or along more complex supply chain that consists of multiple transport services and handling operations.

The first version of the GLEC Framework was delivered by the end of 2016 and now it is being updated by the LEARN project. One of the main improvements is focused on reducing data uncertainty and the SELIS project is cooperating with the LEARN project to cover this gap. The carbon toolbox being developed facilitates the data collection and appropriate management within the collaborative platform, which collects information flows from the stakeholders who produce emissions (carriers, LSP own fleet) and share the outputs with the stakeholder who produce the emissions indirectly by subcontracting their services (shippers, Freight forwarders). The SELIS current work in developing this carbon toolbox was presented during a research talk by Suzanne Green and Beatriz Royo. Suzanne Green the author of the GLEC Framework presented the main methodological aspect and Beatriz Royo how this methodology is being applied in the LL3.



During this first summit, the SELIS project showed how the EGLS5 has designed the solution for calculating the GHG emissions. Looking forward to show the first results in the next SuSustainable Urban Mobility Summit in 2019.

# SELIS Partners



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