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## Editorial

*Dear Reader,*

I am pleased to introduce Logistics for Life 3rd Newsletter.

Logistics for LIFE (L4L) is a Coordination Action aiming bringing together leading logistic companies, technology providers and research organizations working on innovative ICT solutions to ensure long-term sustainability of the logistic industry by increasing its operational efficiency.

The project is motivated by freight transport heavy reliance on fossil fuel, its contribution to CO2 emissions and by its impact on the environment and quality of life. The project also addresses the attempts to direct cargo towards environment friendly transport modes that are failing to meet expectations.

Most of the stakeholders in the logistic sector are micro, small and medium sized companies with little financial resources. In order to stay competitive it is essential for them to get access to new concepts assuring easy technical implementation at low cost. Logistics for LIFE will collect and harmonize information on existing, national and international initiatives and projects, and will make it available to any interested community member in such a way that they can map existing solutions on their requirements.

Our project will also identify research gaps and set the scope of future initiatives through open discussion and creation of a common roadmap. You are all invited to join our community at [www.intelligentcargo.eu](http://www.intelligentcargo.eu)!

I hope you find the Logistic for Life concept of interest.

Paolo Paganelli

Project Coordinator



## The intelligent Cargo Forum

Intelligent Cargo Forum is a community that was initially connected with the EURIDICE project, and is now supported by a number of other projects and organizations.



Intelligent Cargo Forum

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The Intelligent Cargo Forum is now strongly articulated with Logistics for Life (L4L) with the purpose of bringing together key stakeholders to establish a core group of pan-European Intelligent Cargo movement.

Intelligent Cargo Forum members represent relevant organizations interested in Intelligent Cargo: logistic companies, users (industry, distribution), authorities, infrastructures, ICT companies, academia and other research institutions.

The Intelligent Cargo Forum has the following objectives:

- Present and publicize relevant results from research projects and industry, allowing for promotion and demonstration of the Intelligent Cargo concept to a wide audience.
- Discuss common interest issues related to ICT and Logistics like architectural models, standardization, business models, implementation approaches and testing.
- Start and maintain the interaction between the players from industry and research interested in development, adoption and use of Intelligent Cargo and related concepts.
- Lead this interest group to promote and further develop the Intelligent Cargo concept with the goal of ensuring its adoption by EU freight transportation and logistics industry.

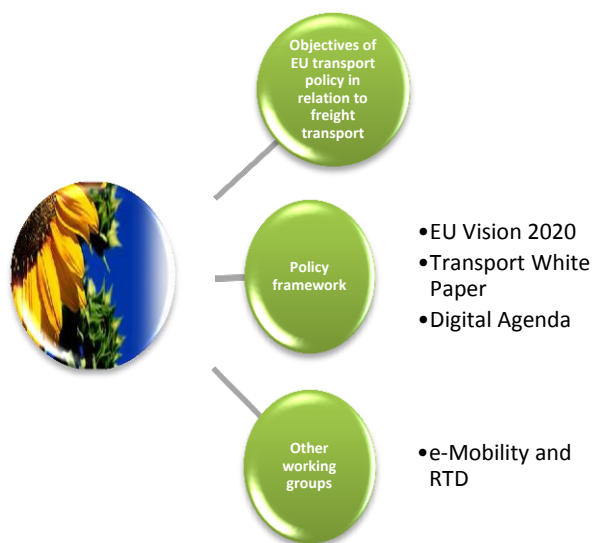
You can join this community at [www.intelligentcargo.eu](http://www.intelligentcargo.eu)!



## Road mapping the future on L4L

Road mapping is an iterative activity which will take place throughout the Logistics for Life (L4L) project. The initial roadmap is designed to show a strategic path toward the harmonization of different freight transport initiatives for increasing the efficiency and their subsequent networking.

Roadmap context:



The Roadmap currently being prepared by the L4L Project has the following main objectives:

- To identify challenges to be met by ICT for Transport research and development to increase the sustainability of the transport logistics industry.
- To describe how these challenges will be met until year 2030, in terms of research, development and market deployment expected in key technological areas.

The Roadmap represents the synthesis of the research and coordination work carried out in all Logistics for LIFE Work packages. Its main contents are: vision for energy-efficiency in logistics, consolidated state-of-the art, foreseen progress on medium- and long-term period, gap analysis, recommendations and guidelines for future research and technology development.

The Roadmap will be based on requirements, best practices and other input information collected by all the Work packages, consolidated and structured in the L4L Framework.

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The L4L project co-ordinates the work on the roadmap, but several other projects and organizations are involved in this work and participated at the first L4L roadmap workshop held in Brussels on July, 19. As an outcome, working groups dealing with the following challenges were established:

- Freight Corridors
- Zero-emission urban logistics
- Low carbon services(Business perspective)
- European multi-modal information
- End-to-end supply security
- Cooperative vehicles and infra structures
- Increased logistics efficiency
- Social responsibility

A first version of the Roadmap will be issued in November 2011. The second and final version will be released in June 2012.



## Sustainability Solutions Collection

The Logistics for Life (L4L) Sustainability Solutions Collection (SSC) is a demonstration kit collecting information and material about the most relevant sustainable solutions delivered by the Best Practices.

The SSC has several channels for disseminating its content, one of which can be found at: <http://www.intelligentcargo.eu/sustainability-solutions-collection>

This section of the Intelligent Cargo Forum provides a permanent, accessible and frequently updated repository of its material.

The online channel of the L4L SSC is structured as follows:

- the L4L viewpoint to the SSC, presenting the solutions from the perspective of their impact on the three dimensions of sustainability: economic, environmental and social
- the Common Scenario viewpoint to the SSC, where the solutions are introduced as means to address specific problems of transport logistics.
- the News section hosts relevant information and events announcements hosting the participation of the L4L Consortium and the L4L SSC
- the Download section collects presentations, flyers, movies and other documents related to the SSC and its various channels.



## One common framework for Information and Communication Systems in Transports and Logistics

Supply chains are becoming more and more global and responsive. The drive for more environment friendly, decongested and secure logistics has led to the introduction of such concepts as Co-Modality, Motorways of the Sea, Secure Trade Lanes and Green Corridors.

Effective logistics and supply chain management requires sharing knowledge and information along the supply chain. In this context, efficient cooperation between actors in integrated supply chains becomes more and more important. To achieve this, the information and communication systems used for managing transport and logistics operation need to interact efficiently, share information – they must be interoperable – and the actors must be enabled to share that information according to their own business rules. Similar exchange of information is necessary between private stakeholders and authorities.

Despite the fact that standards exist, industry representatives have realised that a paradigm shift in interoperability is needed if logistics efficiency is to be improved and political goals of reducing the environmental impact of transport are to be met. One example of an industrial initiative in this direction is the development of a new Logistics Interoperability Model (LIM) by GS1. Behind the LIM proposal are large manufacturers and logistics service providers.

A number of EU funded research and development projects have been addressing the issues of information and communication technologies in transport and logistics. Traditionally, these projects have been quite autonomous and there has been little coordinated contact between the projects.

This has, however, now changed. The partners in a number of ongoing projects have realised that there are project benefits that may be exploited from better cooperation. This view is also shared by the EU Commission.

Among these projects are:

- E-freight, Freightwise, Integrity, Euridice, Rising, Smart-CM, Smartfreight, Discwise





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As industrial developments and the research community have reached similar conclusions, the joint initiative between these projects has been taken to improve interoperability considerably by developing one Common Framework for exchange of information between ICT systems in transport and logistics.



The Common Framework supports interoperability between commercial actors and communication to authorities and transportation network responsible – to make the best possible use of the available transportation infrastructure, provide appropriate supply chain security, and support compliance requirements.

To drive the required paradigm shift, the Common Framework addresses interoperability issues at two main levels in a technology independent way.

At the process and information level, the Common Framework is developed to ensure that only necessary and sufficient information is being exchanged, that the number of messages and their complexity is kept to a minimum, that the messages are unambiguous and that there will essentially be no need for business process harmonisation. At the architectural level, the framework builds on open services platforms and self-configuring logistics networks and devices to support Intelligent Cargo, Single Windows and other mechanisms for collaboration and monitoring.

The Common Framework approach lowers the cost for companies to electronically connect in transport and logistics, without forcing those who already have invested much in the area to stop using what they have. Close cooperation has been established with standards organisations.

In addition to being deployed in industry, the Common Framework will provide a mechanism for current and new research and development project to provide interoperability of relevant results.



## L4L dissemination at ...

### FP7 Concertation Meeting ICT Transport

On the 4<sup>th</sup> of April 2011 L4L was present at the FP7 Concertation Meeting for ICT in Transport that took place in Brussels. The objective was to coordinate joint efforts with other relevant projects and organizations in the ICT for Transport area. Since L4L is a coordinated type of Activity, the presence on this event was of great importance to establish contact points for the future.

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### EU Sustainable Energy Week - REVISITE Workshop / ICT in Energy Efficient Logistics

On the 14<sup>th</sup> of April 2011 L4L was present at the REVISITE Workshop / ICT in Energy Efficient Logistics that took place in Brussels. The objective was to exchange views and establish cooperation bridges with other ICT initiatives for Sustainable Growth.

### Swedish Transport Administration

With the aim of bringing attention to L4L and linking the Swedish ITS roadmap to the L4L roadmap, the L4L project was presented to the Swedish Transport Administration on the 27 of May 2011 in Gothenburg. The initiative was very successful and both initiatives were articulated for future developments.

### ITS, Lyon

The L4L project was present at the ITS conference in Lyon on the 7<sup>th</sup> of June 2011 with the topic "Decreasing Operational Waste in Road Transport Operations". The conference targeted the Industrial Community, Logistics Users, Research Institutions, Authorities and Logistic Communities.

The presentation prepared by Chalmers aimed at getting increased attention to the importance of involving transport companies in ICT-actions and to the L4L results. The presentation gave us the possibility to invite new participants to the Intelligent Cargo forum as well as to get them interested into our project's vision.



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## Nofoma, Harstad

The L4L project was also present at the Nofoma conference in Harstad on the 10th of June 2011 with the topic "ICT in road transport operations - analyzing potential effects on individual activity level". The conference targeted Research Institutions, Authorities and Logistic Communities.

The presentation prepared by Chalmers also aimed at getting increased attention to the importance of involving transport companies in ICT-actions and to the L4L results

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## Digital Agenda Assembly

The L4L project participated in the Digital Agenda Assembly on the 16th of June, in Brussels, with a presentation on Workshop 12: Towards Smart Mobility: Increasing the speed of Intelligent Transport Systems take-up in Europe / Building information services for multimodal transport of goods.

L4L's participation aimed at contributing to the agenda by sharing our vision regarding future ICT research and innovation activities

## ISL, Harstad

The L4L project was also present at a conference at ISL in Berlin on the 12th of July with the topic "Development of a FRAMEWORK supporting ICT-based energy efficient freight transport"

The presentation prepared by BIBA and SINTEF aimed at getting increased attention to the importance of having a framework allowing interested stakeholders to evaluate different ICT- solutions for freight transport depending on specific sustainability criteria.



## Upcoming events with L4L involvement

### ECITL

L4L will be present at the 4th European Conference on ICT for Transport Logistics (ECITL '11) on the 13th and 14th of October 2011 in Thessaloniki, Greece.

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The event is organized by the University of Applied Sciences Vorarlberg GmbH (FHV) and the Hellenic Institute of Transport (HIT) of the Centre for Research and Technology Hellas (CERTH) and is supported by several independent EU funded projects dealing with different issues in transport logistics.

The purpose of the 4th ECITL conference is to advance from the conceptual level of research to practical demonstrators in order to convince shippers, logistics providers and authorities that interoperability offers tangible benefits.

The target audience includes everyone who is involved in logistics operations, e.g. logistics operators, industry, infrastructure providers and authorities.

Event details can be found at the following web address: [www.ecitl.eu](http://www.ecitl.eu)

### BVL Congress

L4L will be present at the International Supply Chain Conference to be held from the 19th to the 21st of October in Berlin.

The purpose of this congress is to disseminate publicly logistics knowledge of experts to the general public. It will be attended by more than 3400 participants from more than 40 nations, with a coverage of more than 220 journalists.

The International Supply Chain Conference is one of the most important annual logistics event in Europe.

Event details can be found at the following web address: [www.bvl.de](http://www.bvl.de)



# Newsletter

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## The Logistics for Life Consortia

