

## Objectives

Logistics for LIFE has the general goal of driving European ICT for transport research in the direction of making logistic operations more efficient, and thus more environmentally friendly, financially and socially sustainable on the long term. The Logistics for LIFE Coalition members will cooperatively work to achieve the following objectives:

- 1 To create a **multi-disciplinary network** of logistic companies, technology providers and researchers actively pursuing efficiency-related initiatives within EU, national or industrial programs. The Logistics for LIFE Coalition will be structured and organized to grow its membership, by attracting key stakeholders from outside the Consortium, and to continue operating after the end of the project.
- 2 To establish a **reference framework** where logistic efficiency requirements from different stakeholders are related to sustainability strategic objectives, on the one side, and, on the other side, to existing and looked-for ICT solutions.
- 3 To develop a **strategic roadmap** including concrete actions and strategies that will guide and facilitate the effective implementation of ICT solutions identified in the reference framework for energy efficiency in logistics. Both the framework and the related roadmap will be periodically updated with stakeholders input, collected through the Logistics for LIFE Coalition activities, and aligned with Commission programs development as well as with input from other forums and EU projects.
- 4 To **promote the Logistics for LIFE vision and findings**, as well as relevant results from the Coalition members related projects, through a coordinated plan of dissemination activities targeted primarily to the transport logistic industry community. To this purpose, the Coalition plans to participate in the major conferences and expositions on transport logistics and to coordinate the organization of joint workshops between member projects, to maximize dissemination output.
- 5 To **establish a common working platform for the community** of users and researchers working on logistic longterm efficiency including: public and private web sites, online forums, document repositories and other web-based collaborative tools. The platform shall be used for several purposes: on-line discussion on stakeholder issues, collaborative work on the framework and roadmap documents, networking and dissemination material publication, and it shall be open to both Coalition members and external participants, who will be able to join through a controlled membership request and registration process.

## Partners

The Logistics for LIFE Consortium is formed by 17 partners including global leaders in logistics, vehicle and technology manufacturing, ICT companies and research organizations representing some of the major initiatives and research projects in the field. International Cooperation partners from China, US and Eastern Europe are part of the Consortium or expressed their interest in Forum participation.

Insiel – Informatica per il Sistema degli Enti Locali s.p.a. (I), FHV – University of Applied Sciences Vorarlberg (AUT), VTT – Technical Research Centre of Finland (FI), Deutsche Post DHL (DE), VOLVO (SE), Chalmers University (SE), SeaRail (FI), Singular Logic – Information Systems & Applications SA (GR), TREDIT (GR), Gebrüder Weiss Holding AG (AUT), BIBA Bremer Institut für Produktion und Logistik GmbH (DE), MARLO (NO), SINTEF (NO), BLG (DE), Kühne + Nagel Societe Anonyme for Transports & Logistics (GR), COSCOEL (CN), Intel Corporation (IE)



Logistics for LIFE (L4Life) is a Coordination Action funded by EU's Seventh Framework Programme in ICT Challenge 6: ICT for Mobility, environmental sustainability and energy efficiency. Logistics for LIFE aims at 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.

**Project Acronym** L4Life  
**Project Reference** FP7-ICT-2009-248338  
**Type** Coordination Action  
**Coordinator** Insiel spa (Italy)  
**Start Date** 01/01/2010  
**Duration** 30 months  
**Project Website** www.logistics4life.eu

**Contact** Paolo Paganelli  
 Insiel spa  
 Tel.: +39 040 3737001  
 Email: paolo.paganelli@insiel.it



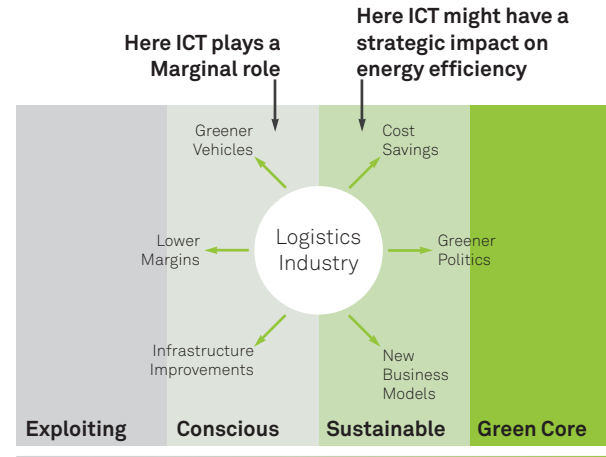
## Logistics for LIFE message

Logistics for LIFE has the general goal of driving European ICT for transport research in the direction of making logistic operations more efficient, and thus more environmentally friendly, financially and socially sustainable on the long term. The project will establish a baseline for ICT research in energy efficient logistics, built on the following considerations

- Logistic operations have room for significant efficiency gains:
  - Empty haulage rates are reported in EU countries ranging between 40% and 60% (source European Environment Agency).
  - Several other inefficiencies impact on transport logistics operations in economic and environmental terms: useless trips, unwanted stops, lack of synchronization between transport modes, lengthy administration processes.
- Logistics can hardly be transformed into a top to bottom "green" business, where every output can either be returned harmlessly to the ecosystem or even contribute to improve the environmental resources balance:
  - Trucks absorb 35% of total road-fuel production with an expected increase to over 40% by 2030 (source "World Energy Outlook 2006").
  - Transport-related CO2 emissions are reported at 23% and rising, with clearly a significant contribution from freight transport.
- The sectors' strong dependence on fossil fuel has one positive consequence: gains on operational efficiency will mostly translate into energy efficiency improvements, i.e., savings on non-renewable energy consumption and emissions of CO2.

### Role of ICT

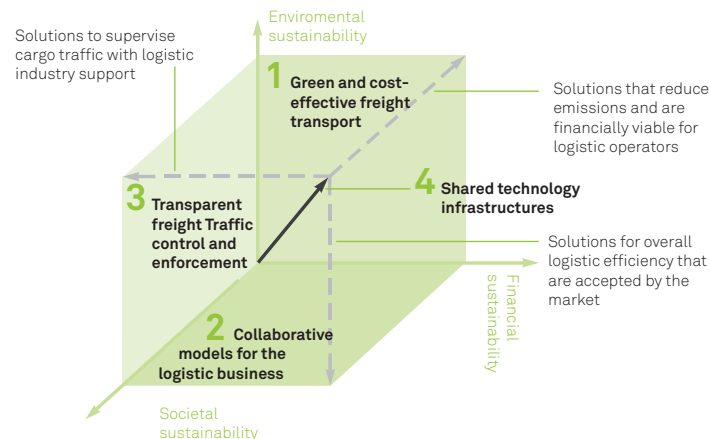
While attempts to direct cargo towards environment friendly transport modes and infrastructures are failing to meet expectations, logistic firms face problems of volatile fuel prices, low margins and fierce competition typical of a commoditized sector. These problems are addressed by many ICT solutions in different stages of research and development, both from the industry and research side. Nevertheless ICT's role in improving logistics' energy efficiency is still under question. Logistics for LIFE will look at the main factors driving logistics operations efficiency and will select and highlight ICT solutions that may impact on these factors.



### The Logistics for LIFE Framework

Logistics for LIFE will build a reference framework linking the stakeholders' efficiency requirements to sustainability strategic objectives and to relevant ICT solutions, looking across three sustainability dimensions:

- Environmental sustainability**  
Reducing emissions and making freight transport more energy-efficient, with, e.g. technologies for vehicle efficiency, ICT support for modal shift from road to rail, environment-aware route optimization solutions.
- Financial sustainability**  
Saving costs and protecting market shares of individual logistic firms, with, e.g. improved planning and execution systems, e-business tools simplifying management of multi-modal door-to-door shipments.
- Societal sustainability**  
Reducing freight transport impact on the community and on citizens with, e.g. improved traffic management, more efficient infrastructure operation, enhanced security and safety control.

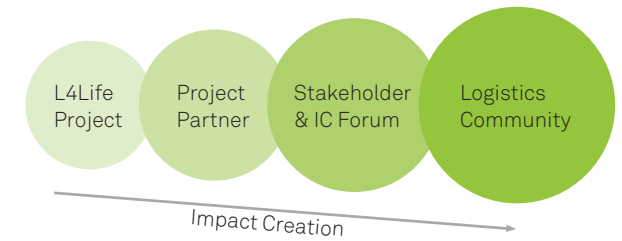


## Networking

The Logistics for LIFE Coordination Action will be built around a group of core projects and initiatives, that are closely linked to the project participants and will be used as main channels for networking and multiplying the Logistics for LIFE outcomes in requirements gathering, roadmapping, stakeholder involvement and dissemination and community building.

These core projects and initiatives are:

EURIDICE | e-FREIGHT | Smartfreight | eSafety Forum | TRANSECO | DHL GO GREEN



## IC Forum

Aim of the Intelligent Cargo Forum is to establish the core group of a pan-European Intelligent Cargo movement, composed of individuals and organisations willing to cooperate, to perform specific tasks and activities, suitable for supporting the Intelligent Cargo concept development and its exploitation. Intelligent Cargo Forum is supported by two FP7 projects: EURIDICE and Logistics for LIFE. However, the Forum is above all a neutral place in which to discuss Intelligent Cargo development, business opportunities and business development. Plans for the IC Forum continuation and development after the supporting projects end are being prepared. The goal is to establish the Forum as a permanent community, with adequate organization and sustenance sources, to continue building and spreading the Intelligent Cargo concept, technologies and logistic models.