



EURIDICE

Integrated Project ICT 2007-216271

May 2010

# NEWSLETTER

Volume 1, Issue 9

**In this Issue you can read:**

Editorial	1
Intelligent Cargo (IC) Forum	1
ECITL 2010 4-5 November 2010 Bremen, Germany	3
EURIDICE - A STAR project in ICT 2010	4
EURIDICE - A project with highly recognized value and visibility	4
Future events	5

## Editorial

### Intelligent Cargo & Cargo Intelligence: EURIDICE pilots expect them both!

Limited at the beginning – continuously increasing at the end, EURIDICE pilot users' interest has led to identification and matching of their daily operational needs against EURIDICE promised functionality in the last requirements gathering process, creating a quite interesting list of pilot expectations.

And these expectations are covering both the Intelligent Cargo idea (as the definition of the capability for self-identification, context detection, access to services, status monitoring and independent behaviour as clearly described in *EURIDICE White Paper*) and the Cargo Intelligence concept (the set of technologies, knowledge and tools provided by the EURIDICE infrastructure to support advanced analytics and knowledge-based applications).

Focusing on the Intelligent Cargo side, a rather demanding list of services is expected to be cargo-centric with the major items being the capability for:

- **Self-identification**, as for example in Omega case where cargo is expected to identify itself and provide the necessary information about the order that is being fulfilled using an embedded transportation plan, or as in G-W case where vehicles should properly advertise their available freight space through identifying Intelligent Cargo items entering or leaving the vehicles.....

*Continuing on page 2*

## Intelligent Cargo (IC) Forum

The Intelligent Cargo Forum (IC Forum) (<http://www.intelligentcargo.eu/>) was initiated by the EURIDICE project in order to align the research work done with the needs of the sector.

It aims to establish the core group of a pan-European Intelligent Cargo movement, composed of individuals and organizations with activity in ICT and logistics sectors that wish to improve the logistics industry competitiveness and sustainability by means of innovative technologies focusing on the cargo and its interaction with vehicles, users and the environment. The Intelligent Cargo Forum is now strongly supported by EU project "LOGISTICS FOR LIFE" and a number of organizations.



Additionally, a relevant group has been created on LinkedIn in order to enhance the connection and communication of professionals in this sector.

Any further information about the Intelligent Cargo Forum can be provided by its coordinator, Dr. Tatjana Bolic (email: [tatjana.bolic@univiu.org](mailto:tatjana.bolic@univiu.org)).

**Join now the Intelligent Cargo LinkedIn group and share your thoughts on Intelligent Cargo concept.**

*Continuing from page 1 ...*

- **Context detection**, as in the case of K+N where cargo is expected to be able to detect loading on wrong truck or unloading to wrong delivery location since the cargo recognises its position or in the case of Omega where cargo items should be aware of their location and business-context-based information like if they are in transit or arrived which enables them to provide a real-time visibility of their state
- **Access to services**, as in the case of Port of Trieste where cargo should have access to intelligent services concerning the fulfilment of Customs clearance and transport authorization procedures as well as access to intelligent services related to the banking system, or in the case of SeaRail where cargo is expected to be able to respond upon request of wagon reservation and report back regarding its status to authorised users.
- **Status monitoring** in a wide range of cases as for example in the case of Fiorital where cargo is expected to record and read the temperature in real time in order to inform the user about the temperature deviation or in the case of Safilo, where the IC calculates, monitors and updates the combined “harmonized delivery date” that is the ETA of different cargoes that are arriving at the same production site, to be assembled together or in the case of SeaRail where IC should provide data necessary for wagon selection (i.e status such as “reserved”, “loaded” and location).
- **Independent Behaviour** as in the case of SDAG where Cargo should be able to pre-book a place in the parking area autonomously and generate alerts and invoke security services autonomously or in the case of Safilo where IC is expected to detect the deviations in terms of missing boxes and ETA or in the case of Port of Trieste where cargo is expected to be able to invoke services related to Customs operations and start processes related to the payments autonomously.
- **Autonomous decisions** as in the case of K+N where the intelligent cargo should detect deviations based on predefined rules and either block transport execution in case of the cargo being loaded on wrong vehicle, or trigger scheduling processes for transportation with externally contracted operators or in the case of G-W where cargo should be able to request an update of the priority of items if they detected delays or early arrivals.

Currently on-going discussions on the ICT Forum LinkedIn space, reveal also the high interest of all involved people on what the IC is and how it can provide value to real needs.

On the other hand, EURIDICE S/T subproject has actually triggered the interest of the pilot users, resulting in more and more requests on the Cargo Intelligence side e.g:

**Temperature prediction**, for early detection of possible anomalies that would lead to goods being spoiled

**ETA updates** for early notifications that would enable better overall planning

**Wagon usage prediction** to lead to overall better planning and usage of resources

**Damages prediction** to offer timely notifications for possible mishandlings while on transport (using G-force sensors)

**Traffic information prediction** to give the possibility for early reactions and plan adaptations

On the Cargo Intelligence side, data collection procedures have been initiated which will be used in the forthcoming period to create the basis for prediction and detection capabilities requested by the pilot users.

Pilot expectations have set a high target for technical partners and currently intensive on-going activities on pilot prototypes design and development prove that both sides are willing and eager to try the new promised solutions.



## 3rd European Conference on ICT for Transport Logistics

4-5 November 2010, Bremen (Germany)

The EURIDICE team announces the 3rd European Conference on ICT for Transport Logistics (ECITL '10). The [2nd ECITL](#) was successfully held on 29-30 October 2009 in Venice and the encouragement of the participants led to the common decision to organise the "3rd European Conference on ICT for Transport Logistics" on 4-5 November 2010 with focus on Intelligent ICT systems and their contributions for the implementation of Green Logistics Strategies.

In continuation of the attractive locations of the 1st and 2nd conferences in Lucerne and Venice, the ECITL '10 will take place in Bremen, a business centre with high logistics competence and extensive commercial relations to the whole world. The local host will be the "Institute of Shipping Economics and Logistics" (ISL) co-located in Bremen and Bremerhaven. The event is also supported by Ministry for Economic Affairs and Ports of the Free Hanseatic City of Bremen and its Minister.



The event is mainly organised by the University of Applied Sciences Vorarlberg GmbH (FHV) and is supported by several independent EU funded projects (Logistics for LIFE, e-FREIGHT, EURIDICE, INTEGRITY, SMART-CM and SMARTFREIGHT) dealing with different issues in transport logistics. Together they try to establish a common exchange and cooperation platform for stakeholders and researchers in the logistics sector. The target audience includes everyone who is involved in logistics operations, e.g. logistics operators, industry, infrastructure providers and authorities.

The increased importance of ICT systems for the implementation of new holistic green logistics concepts has been recognised by stakeholders and researchers in the logistics sector. Therefore this year's conference has a special focus on the adoption of green logistics concepts supported by modern intelligent ICT systems. The conference will take a look into different subjects related to these topics, e.g. the lack of available information in transport logistics, and it will be explained how ICT can support information and process integration to overcome current economic and environmental challenges. Topics will include green logistics concepts and interoperable platforms for close cooperation in supply networks and logistics operations, additionally addressing different aspects, e.g. security, visibility, intelligent cargo and vehicles, from both business and technical points of view, including academic research.

The sessions will be in part parallel, some of them interactive. Interactive sessions aim at discussion and audience participation to gather direct feedback from the sector to sharpen the view on the issues, including challenges and requirements, exchange of experiences and possible directions for future improvement. Speakers will come from the addressed audience, e.g. logistics operators and service providers, industry, researchers, authorities and infrastructure providers, and the supporting projects.

Additional and up-to-date information about the event can be found on the conference website: <http://www.ecitl.eu/index.php>.

**Registration is now open at <http://www.ecitl.eu/participation.php>**

## EURIDICE - A STAR project in ICT 2010

The European ICT biennial event is organized by the European Commission and constitutes Europe's most visible forum for ICT research and innovation. It has become a unique gathering point for researchers, business people, investors, and high level policy makers in the field of digital innovation.

ICT 2010 will be hosted by the Belgian Presidency of the European Union and will focus on policy priorities such as Europe's Digital Agenda and the next financial programme of the European Union for funding research and innovation in ICT. Topics included in ICT 2010 are:

- latest research trends in information and communication technologies
- European priorities for 2.8 billion Euros research funding in ICT, 2011-2012
- Meet potential research and business partners at dozens of networking sessions
- an exhibition with over 5000 m<sup>2</sup> of Europe's latest cutting edge ICT research.



The exhibition that is held in parallel provides to participants an experience on Europe's latest cutting edge research in digital technologies. Researchers from all parts of Europe and beyond will present their latest work in upstream ICT innovation as well as close-to-market projects. This is an opportunity to explore what is happening at the coal face in your area of interest and to find potential future collaborators.

EURIDICE has managed to be nominated STAR PROJECT for this exhibition and will thus have the opportunity to expose its work and up to date outcomes to interested public. This nomination testifies how important EURIDICE results are for the Commission.

## EURIDICE - A project with highly recognized value and visibility

On 13th of April, the EURIDICE project was presented to the Minister of breeding and ichthyic resources of the Ivory Coast and his delegation at Venice International University. The presentation focused on the application of the Intelligent Cargo in the pilots, particularly on the pilot involving fish distribution. The delegation recognised the high quality and value of the project especially in terms of benefits for different players within the supply chain and expressed their wish to participate in EURIDICE.



This is a clear indicator that EURIDICE is of global interest. It started as a European project, with the intent to include stakeholders outside Europe as well thus increasing the visibility and the high value of the project idea on a global level. These efforts are on-going through project presentations at international conferences, e.g. the 15th International Symposium on Logistics (ISL 2010) in Kuala Lumpur, Malaysia, where EURIDICE will have its own track, and through the possibility of participation of external partners through the Intelligent Cargo Forum.

**EURIDICE**

**Integrated Project ICT 2007-216271**

Contact information:

Name: Paolo Paganelli

Organisation: Insiel

Tel.: +39 040 3737001

Email: paolo.paganelli@insiel.it

URL: <http://www.euridice-project.eu>



## **Future events**

**15th International Symposium on Logistics (ISL 2010)**, Kuala Lumpur, Malaysia, 4-7 July 2010

<http://www.isl21.net/>

**12th World Conference on Transport Research**, Lisbon, Portugal, 11-15 July 2010

[http://www.civil.ist.utl.pt/wctr12\\_lisboa/int\\_01\\_conference\\_wmessage.htm](http://www.civil.ist.utl.pt/wctr12_lisboa/int_01_conference_wmessage.htm)

**16th Pan-American Conference of Traffic and Transportation Engineering and Logistics**, Lisbon, Portugal, 15-18 July 2010,

[http://www.panam2010.info/EN\\_001.htm](http://www.panam2010.info/EN_001.htm)

**Innovative Logistics**, Genk, Belgium, 18 July 2010

<http://www.b2match.com/innovativelogistics/>

**13th International IEEE Conference on Intelligent Transportation Systems**, Madeira Island, Portugal, 19-22 September 2010

<http://itsc2010.isr.uc.pt/site/>

**2010 IEEE International Conference on Systems, Man, and Cybernetics, (SMC 2010)**, Istanbul, Turkey 10-13 October 2010

<http://www.smc2010.org/>

**17th ITS World Congress "Ubiquitous Society with ITS"**, Busan, Korea, 25-29 October 2010

<http://www.itsworldcongress.com/>

**3rd European Conference on ICT for Transport Logistics**, Bremen, Germany, 4-5 November 2010

<https://www.ecitl.eu/index.php>