

PROJECT

ICARGO

iCargo - Intelligent Cargo in Efficient and Sustainable Global Logistics Operations

Funding: European (7th RTD Framework Programme)

Duration: Nov 2011 - Apr 2015

Status: Complete

Total project cost: €16,886,573

EU contribution: €11,146,496



Call for proposal: FP7-ICT-2011-7

[CORDIS RCN : 100869](#)

Background & policy context:

iCargo will build an open affordable information architecture that allows real world objects, existing systems, and new applications to efficiently co-operate, enabling more cost effective and lower-CO2 logistics through improved synchronisation and load factors across all transport modes.

Objectives:

iCargo aims at advancing and extending the use of ICT to support new logistics services that:

1. synchronise vehicle movements and logistics operations across various modes and actors to lower CO2 emissions
2. adapt to changing conditions through dynamic planning methods involving intelligent cargo, vehicle and infrastructure systems and
3. combine services, resources and information from different stakeholders, taking part in an open freight management ecosystem

Methodology:

To achieve the above targets, iCargo will design and implement a decentralised ICT infrastructure that allows real world objects, new planning services including CO2 calculation capabilities and existing systems to co-exist and efficiently co-operate at an affordable cost for logistics stakeholders. iCargo infrastructure will include Intelligent Cargo items to facilitate automated reactive decision-making and to integrate information obtained from on-going execution (all modes) into planning processes to optimize environmental performances, including real-time information about traffic and transport infrastructure conditions.

iCargo involves representatives of the main stakeholders in three main areas of activity:

1. research and technological development, involving leading ICT companies and institutes to integrate in iCargo the necessary technology components, including results from key related EU projects, and to develop innovative approaches and business models for co-modal transport environmental optimization and dynamic planning
2. implementation, demonstration and validation of three extensive pilots in end-to-end multi-actor intermodal chains, involving users from logistics companies, shippers and public authorities
3. extensive dissemination of research results, demonstration and pilot cases validation activities, aimed at transferring iCargo results to the international transport logistics community and supporting take-up and extensive exploitation immediately after the project

Parent Programmes:

[FP7-ICT - Information and Communication Technologies](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

Atos Origin Sociedad Anonima Espanola

Address:

CALLE ALBARRACIN 25
28037 MADRID
Spain

EU Contribution: €1,337,775

Partner Organisations:

Marlo As

Address:

Tryms Vei
1445 Heer
Norway

Organisation Website:

<http://www.marlo.no>

EU Contribution: €655,400

Instytut Logistyki I Magazynowania

Address:

UL ESTKOWSKIEGO 6
61-755 POZNAN
Poland

Organisation Website:

<http://www.ilim.poznan.pl>

EU Contribution: €454,440

Inlecom Systems Ltd

Address:

24 HIGH STREET WANSTEAD PHOENIX HOUSE
LONDON
E11 2AQ
United Kingdom

Organisation Website:

<http://www.inlecom.com>

EU Contribution: €687,800

Nederlandse Organisatie Voor Toegepast Natuurwetenschappelijk Onderzoek Tno

Address:

ANNA VAN BUERENPLEIN 1
2595 DA DEN HAAG
Netherlands

Organisation Website:

<http://www.tno.nl>

EU Contribution: €610,500

Dhl Supply Chain (Netherlands) Bv**Address:**

Achtseweg Noord Gebouw A 30-36
5651 Eindhoven
Netherlands

EU Contribution: €401,200

Stiftelsen Sintef**Address:**

Strindveien
7034 Trondheim
Norway

Organisation Website:

<http://www.sintef.no>

EU Contribution: €479,731

Fachhochschule Vorarlberg Gmbh**Address:**

Hochschulstrasse
6850 Dornbirn
Austria

EU Contribution: €454,666

Fundacion Tecnalia Research & Innovation**Address:**

PARQUE CIENTIFICO Y TECNOLOGICO DE GIPUZKOA PASEO MIKELETEGI 2
20009 DONOSTIA/SAN SEBASTIAN (GIPUZKOA)
Spain

Organisation Website:

<http://www.tecnalia.com>

EU Contribution: €411,125

Europlatforms Geie**Address:**

Rue Ravenstein 60
1000 Brussels
Belgium

EU Contribution: €0

Trafikverket**Address:**

RodaVagen 1
781 89 BORLANGE
Sweden

Organisation Website:

<http://www.trafikverket.se>

EU Contribution: €97,050

Unilever Research And Development Vlaardingen Bv**Address:**

Olivier Van Noortlaan 120
3133 Vlaardingen
Netherlands

EU Contribution: €154,950

Cgi Nederland Bv**Address:**

GEORGE HINTZENWEG 89
3068 AX ROTTERDAM
Netherlands

EU Contribution: €619,543

Ptv Planung Transport Verkehr Ag**Address:**

Stumpfstrasse 1
76131 KARLSRUHE
Germany

Organisation Website:

<http://www.ptv.de>

EU Contribution: €570,700

Ramboll Finland Oy**Address:**

Saterinkatu 6
2600 Espoo
Finland

EU Contribution: €281,581

G.t.s. - General Transport Service Spa**Address:**

Via Del Tesoro 15
70123 Bari
Italy

EU Contribution: €265,020

Polis - Promotion Of Operational Links With Integrated Services, Association Internationale**Address:**

rue du Trône 98
1050 BRUXELLES
Belgium

Organisation Website:

<http://www.polis-online.org>

EU Contribution: €3,456

Bluegreen Strategy Srl

Address:

Via Isonzo
40033 Casalecchio Di Reno Bo
Italy

Organisation Website:

<http://www.bluegreenstrategy.com>

EU Contribution: €676,440

Consorzio Ib Innovation**Address:**

Palazzina Doganale Snc Interporto
40010 Bentivoglio
Italy

EU Contribution: €694,450

Maatschappij Van De Brugse Zeevaartinrichtingen Nv**Address:**

Isabellalaan 1
8380 Zeebrugge
Belgium

EU Contribution: €48,600

Interporto Bologna Spa**Address:**

PALAZZINA DOGANALE SNC FRAZIONE INTERPORTO
40010 BENTIVOGLIO
Italy

Organisation Website:

<http://www.bo.interporto.it>

EU Contribution: €17,112

Association Francophone Des Utilisateurs Du Net Du E Business Et De Lasociete En Reseau**Address:**

Rue Miromesnil 30
75008 Paris
France

EU Contribution: €134,400

Fast Freight Marconi Spa**Address:**

Via Triumvirato 84
40132 Bologna
Italy

EU Contribution: €65,701

Interporto Servizi Cargo S.p.a.**Address:**

Via Paolo Emilio Imbriani 30
80132 Naples

Italy

EU Contribution: €200,514

Logit One Nv

Address:

Cipalstraat 3
N/A Geel
Belgium

Organisation Website:

<http://www.logit-systems.com>

EU Contribution: €551,308

Logit One Nv

Address:

Cipalstraat 3
N/A Geel
Belgium

Organisation Website:

<http://www.logit-systems.com>

EU Contribution: €135,695

European Council For Maritime Applied R&d

Address:

MARIE DE BOURGOGNESTRAAT 52-54 3DE VERDIEP
1000 BRUSSEL
Belgium

Organisation Website:

<http://www.ecmar.eu>

EU Contribution: €75,000

Clecat - European Association For Forwarding, Transport, Logistics And Customs Service

Address:

Rue Du Commerce
1040 Brussels
Belgium

Organisation Website:

<http://www.clecat.org>

EU Contribution: €105,600

Stora Enso Logistics Ab

Address:

Asgatan 22
79180 Falun
Sweden

EU Contribution: €160,359

Bmt British Maritime Technology

Address:

Orlando House, 1 Waldegrave Road
TEDDINGTON
UK - TW 118LZ
United Kingdom

Organisation Website:

<http://www.bmt.org>

EU Contribution: €304,905

Clms (Uk) Limited**Address:**

UNIVERSITY WAY KNOWLEDGE DOCK BUSINESS CENTRE 4
LONDON
E16 2RD
United Kingdom

Organisation Website:

<http://www.clmsuk.com>

EU Contribution: €345,600

Intellitrans Sweden Ab**Address:**

Sydatlanten 17
41834 Gothenburg
Sweden

EU Contribution: €145,875

Technologies:

Information systems
ICT support system for multimodality

Development phase: Research/Invention

STRIA Roadmaps: Network and traffic management systems

Transport mode: Multimodal transport

Transport sectors: Freight transport

Transport policies: Digitalisation, Decarbonisation, Societal/Economic issues

Geo-spatial type: Other