

PROJECT

LOGISTAR

Enhanced data management techniques for real time logistics planning and scheduling

Funding: European (Horizon 2020)

Duration: Jun 2018 - May 2021

Status: Complete

Total project cost: €4,997,549

EU contribution: €4,997,549



[CORDIS RCN : 216006](#)

Background & policy context:

The EU faces the challenge to maintain and increase its economic growth and cope with the problem of freight transport efficiency in Europe. Integration of transport volumes and modes, better use of capacity, flexibility, resource efficiency and cooperation between all actors along the logistic chain are required.

Objectives:

Aligned with the European policies and the ALICE roadmap, LOGISTAR objective is to allow effective planning and optimizing of transport operations in the supply chain by taking advantage of horizontal collaboration, relying on the increasingly real-time data gathered from the interconnected environment. For this, a real-time decision making tool and a real-time visualisation tool of freight transport will be developed, with the purpose of delivering information and services to the various agents involved in the logistic supply chain, i.e. freight transport operators, their clients, industries and other stakeholders such as warehouse or infrastructure managers.

Methodology:

LOGISTAR will address several advances beyond the state of the art in the interdisciplinary field of the smart algorithms for data processing. Artificial intelligence focussed on prediction, parallel hybrid metaheuristics for optimisation, automated negotiation techniques, and constraint satisfaction problem solving techniques. The resulting platform will outperform other market products and services such as freight exchange systems, collaborative platforms, transport control towers or routing systems.

LOGISTARS involves RTD organisations (DEUSTO, UCC, CSIC), technology developers (DNET, SWC), consultancy firms (MDST, PRESTON), ICT services developers (SAG, DBH, GENEKIS) and stakeholders from different stages of the supply chain (AHLERS, ZAILOG, NESTLÉ, PLADIS, CODOGNOTTO).

The duration of the project is estimated to be 36 months and has an approximate budget of 5 million euros.

Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Other programmes: MG-5-2-2017 Innovative ICT solutions for future logistics operations

Lead Organisation:

Universidad De La Iglesia De Deusto

Address:

Avda. de las Universidades 24
48007 Bilbao
Spain

Organisation Website:

<http://www.deusto.es>

EU Contribution: €811,000

Partner Organisations:**United Biscuits (Uk) Limited****Address:**

HAYES END ROAD HAYES PARK
HAYES
UB4 8EE
United Kingdom

EU Contribution: €100,938

Mds Transmodal Limited**Address:**

HUNTERS WALK 5 6 CANAL STREET
CHESTER
CH1 4EB
United Kingdom

EU Contribution: €142,294

Drustvo Za Konsalting, Razvoj I Implementaciju Informacionih I Komunikacionih Tehnologija Dunavnet Doo Novi Sad**Address:**

ANTONA CEHOVA 1/2
21000 NOVI SAD
Serbia

Organisation Website:

<http://www.dunavnet.eu>

EU Contribution: €253,750

Codognotto Italia Spa**Address:**

VIA CALNUOVA 18
31040 SALGAREDA
Italy

EU Contribution: €100,000

Nestle Uk Ltd**Address:**

1 CITY PLACE
GATWICK
RH6 0PA
United Kingdom

EU Contribution: €217,500

Software Ag**Address:**

UHLANDSTRASSE 12
64297 DARMSTADT
Germany

EU Contribution: €547,000

Genegis Gi Srl**Address:**

VIALE LODOVICO SCARAMPO 47
20148 MILANO
Italy

EU Contribution: €276,250

Preston Solutions Limited**Address:**

17 BURNHAMS ROAD
LITTLE BOOKHAM
KT23 3AS
United Kingdom

EU Contribution: €315,000

Ahlers Belgium NV**Address:**

NOORDERLAAN 139
2030 ANTWERPEN
Belgium

EU Contribution: €300,625

Agencia Estatal Consejo Superior Deinvestigaciones Cientificas**Address:**

CALLE SERRANO 117
28006 MADRID
Spain

Organisation Website:

<http://www.csic.es>

EU Contribution: €429,906

Semantic Web Company Gmbh**Address:**

MARIAHILFERSTRASSE 70/8
1070 WIEN
Austria

EU Contribution: €389,750

Dbh Logistics It Ag**Address:**

Martinistrasse 47-49
28195 Bremen

Germany

EU Contribution: €440,938

University College Cork - National University Of Ireland, Cork

Address:

Western Road

N/A

Cork

Ireland

EU Contribution: €460,724

Consorzio Zailog

Address:

Via Sommacampagna 61

37137 Verona

Italy

EU Contribution: €211,875

Technologies:

Freight transport technologies

Freight transport action plan

Development phase: Research/Invention

STRIA Roadmaps: Network and traffic management systems

Transport mode: Road transport

Transport sectors: Freight transport

Transport policies: Other specified

Geo-spatial type: Other