

PROJECT

CLUSTERS 2.0

Open network of hyper connected logistics clusters towards Physical Internet

Funding: European (Horizon 2020)

Duration: May 2017 - Jul 2020

Status: Complete

Total project cost: €6,329,619

EU contribution: €5,998,744



[CORDIS RCN : 209715](#)

Objectives:

“If we want to reach the EU objective on modal shift for all transportation beyond 300 km and attract and strengthen competitiveness of local industries at the same time, we need to drive the development of a network of hyper connected logistics multimodal clusters and their influence areas”. Clusters 2.0 Consortium

Clusters 2.0. vision is to leverage the full potential of European Logistics Clusters for an efficient and fully integrated transport system in Europe making optimal use of an Open Network of Logistics Clusters and hubs starting with. Zaragoza (PLAZA), Duisburg (Duisport), Lille (Dourges), Bologna-Trieste (Interporto/port of Trieste), Brussels (BruCargo), London (Heathrow), Pireaus (PCT), Trelleborg (Port), while keeping neutral the environmental and local impacts such as congestion, noise, land use and local pollution levels.

Cluster 2.0 objectives and areas of intervention are:

1) Increase the engagement, performance and coordination of terminals and hubs at cluster level targeting:

- increase by 50% the freight managed in the cluster with current infrastructure,
- Double the value added activities and
- increase economic impact in local economies by 5% yearly while keeping neutral local environmental impacts.

2) Build a hyper connected network of logistics hubs and clusters targeting:

- increase average door-to-door vehicle load factor up to 75%,
- increase intermodal transport in the network by 40%.

3) Develop low cost, low capital and investment intensive transshipment enhanced solutions to reduce operational costs of transshipment by 30 %.

4) Develop prototypes of New Modular Load Units as enhancers of the above objectives.

5) Develop terminal management systems to increase management capacity of the terminals by 20% and reduce associated congestion by 10%.

6) Establish and run 5 Living Labs (LLs) to test, improve and validate proposed solutions as well as to and Develop Business Models and Robust Business Plans for Clusters 2.0 solutions.

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)

Lead Organisation:

Ptv Planung Transport Verkehr Ag

Address:

Stumpfstrasse 1
76131 KARLSRUHE
Germany

Organisation Website:

<http://www.ptv.de>

EU Contribution: €437,625

Partner Organisations:

Duisport Agency Gmbh

Address:

ALTE RUHRORTER STRASSE 42-52
47119 DUISBURG
Germany

EU Contribution: €110,313

Universiteit Antwerpen

Address:

Prinsstraat
2000 Antwerpen
Belgium

Organisation Website:

<http://www.ua.ac.be>

EU Contribution: €99,063

Trelleborg Sealing Solutions France Sas

Address:

38 RUE JEAN MERMOZ
78600 MAISONS-LAFFITTE
France

EU Contribution: €96,250

Worldwide Flight Services Belgium Nv

Address:

BEDRIJVENZONE MACHELEN CARGO BLDG 706 BOX 42
1830 MACHELEN
Belgium

EU Contribution: €51,875

Stathmos Emporevmatokivotion Peiraia Ae

Address:

AKTI MIAOULI STR 85
18538 PIRAEUS
Greece

EU Contribution: €217,469

Innovatrain Ag

Address:

Bollwerk 15
CHN/A3011 Bern
Switzerland

Organisation Website:

<http://www.innovatrain.ch>

EU Contribution: €0

Van Eck Beesd Bv

Address:

Oude Waag 24
4153 BV Beesd
Netherlands

EU Contribution: €218,750

Union International Des Chemins De Fer

Address:

16 rue Jean Rey
75015 PARIS
France

Organisation Website:

<http://www.uic.asso.fr>

EU Contribution: €127,188

Nallian

Address:

KRAAIVEN 7
3140 KEERBERGEN
Belgium

EU Contribution: €576,250

Fraunhofer Gesellschaft Zur Foerderung Der Angewandten Forschung E.v.

Address:

HANSASTRASSE 27C
80686 MUNCHEN
Germany

Organisation Website:

<http://www.fraunhofer.de>

EU Contribution: €247,380

Argusi Bv

Address:

Rivium 2E Straat 24
2909 LG Capelle Aan Den Ijssel
Netherlands

Organisation Website:

<http://www.argusi.org>

EU Contribution: €302,500

Dhl Global Forwarding (Belgium)**Address:**

Cargo Gebouw 720
1931 Zaventem
Belgium

EU Contribution: €50,625

Naytiliakēs Metaforikēs Kai Epikoinoniakēs Epixeiriseis Seability Epe**Address:**

40 ZAN MOREAS
11745 ATHENA
Greece

EU Contribution: €165,000

Fundacion Zaragoza Logistics Center**Address:**

Calle Bari 55 Bloque 5
50197 Zaragoza
Spain

EU Contribution: €177,500

Bluegreen Strategy Srl**Address:**

Via Isonzo
40033 Casalecchio Di Reno Bo
Italy

Organisation Website:

<http://www.bluegreenstrategy.com>

EU Contribution: €198,125

Consorzio Ib Innovation**Address:**

Palazzina Doganale Snc Interporto
40010 Bentivoglio
Italy

EU Contribution: €358,375

Mosaic Factor SI**Address:**

CALLE MARINA NUM 60 PLANTA 4 PUERTA 1
08005 BARCELONA
Spain

EU Contribution: €165,500

J.a.m. De Rijk Bv**Address:**

Leemstraat 15
4705RT ROOSENDAAL
Netherlands

Organisation Website:

<http://www.janderijk.com>

EU Contribution: €581,250

Association Pour La Recherche Et Le Développement Des Méthodes Et Processus Industriels**Address:**

Boulevard Saint Michel 60
75272 Paris
France

Organisation Website:

<http://www.armines.net>

EU Contribution: €209,375

Heathrow Airport Limited**Address:**

NELSON ROAD THE COMPASS CENTRE HOUNSLOW
LONDON
TW6 2GW
United Kingdom

Organisation Website:

<http://www.heathrowairport.com>

EU Contribution: €110,000

Air Cargo Belgium**Address:**

BEDRIJVENZONE MACHELEN-CARGO 706 68
1830 MACHELEN
Belgium

EU Contribution: €213,750

Autorita Portuale Di Trieste**Address:**

Via Karl Ludwig Von Bruck 3
34143 Trieste
Italy

EU Contribution: €91,250

Chambre De Commerce Et D'industrie Artois**Address:**

8 RUE DU 29 JUILLET
62000 ARRAS
France

EU Contribution: €310,625

Fit Consulting Srl

Address:

Via Acciaresi Primo 8
157 Roma
Italy

Organisation Website:

<http://www.fitconsulting.it>

EU Contribution: €154,063

Equimodal SI

Address:

POLIGONO DE MALPICA, CALLE E, NR. 12
50016 ZARAGOZA
Spain

EU Contribution: €130,000

Citydepot

Address:

SCHEEPVAARTKAAI 5B
3500 HASSELT
Belgium

EU Contribution: €106,250

Enide Solutions .s.l

Address:

Calle La Font Planta 2 27
8740 Sant Andreu De La Barca
Spain

Organisation Website:

<http://www.enide.com>

EU Contribution: €191,875

Procter & Gamble Services Company Nv

Address:

Temselaan 100
1853 Strombeek Bever
Belgium

EU Contribution: €300,520

Technologies:

Freight transport technologies
Collaborative logistics ecosystem

Development phase: Research/Invention

STRIA Roadmaps: Network and traffic management systems, Infrastructure

Transport mode: Multimodal transport

Transport sectors: Freight transport

Transport policies: Other specified

Geo-spatial type: Infrastructure Node