

PROJECT

COG-LO

COGnitive Logistics Operations through secure, dynamic and ad-hoc collaborative networks

Funding: European (Horizon 2020)

Duration: Jun 2018 - May 2021

Status: Ongoing

Total project cost: €4,999,923

EU contribution: €4,999,923



[CORDIS RCN : 216005](#)

Objectives:

The main goal of COG-LO is to create the framework and tools that will add cognition and collaboration features to future logistics processes by:

1. Introducing the Cognitive Logistics Object (CLO) by adding cognitive behaviour to all involved Logistics actors and processes;
2. Developing the environment that will allow CLOs to exchange information through ad-hoc social secure networks.

The main objectives of COG-LO are:

- Definition of a Future Cognitive Logistics Objects reference implementation model that supports cognitive logistics behaviour;
- Design and develop the necessary analytics and cognitive tools that enable complex event detection, context awareness and multi-criteria decision support.
- To design and develop the collaboration platform based on hybrid ad-hoc social networks of CLOs.
- To design and develop the COG-LO tools (Cognitive Advisor, which realizes the cognitive behaviour of CLO based on the reference implementation model, and Tweeting CLOs, allowing CLOs to exchange information in ad-hoc Social IoT networks);
- To evaluate the COG-LO results via intermodal, cross-country and urban logistics pilot operations.
- To introduce new business models for ad-hoc collaborations affecting all logistics stakeholders and create a community of Logistics, ICT and urban environment stakeholders.

The consortium is led by SingularLogic and consists of 14 partners from 8 countries.

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:

Consorzio Nazionale Interuniversitario Per Le Telecomunicazioni

Address:

Viale G. P. Usberti 181A
43124 Parma
Italy

Organisation Website:

<http://www.cnit.it>

EU Contribution: €375,000

Partner Organisations:

Hp Hrvatska Posta Dd

Address:

JURISICEVA 13
10000 ZAGREB
Croatia

EU Contribution: €219,063

Posta Slovenije Doo

Address:

SLOMSKOV TRG 10
2500 MARIBOR
Slovenia

EU Contribution: €260,938

Agc Glass Europe Sa

Address:

AVENUE JEAN MONNET 4
1348 LOUVAIN-LA-NEUVE
Belgium

Organisation Website:

<http://www.agc-flatglass.eu/>

EU Contribution: €303,750

Institut Jozef Stefan

Address:

Jamova
1000 Ljubljana
Slovenia

Organisation Website:

<http://www.ijs.si>

EU Contribution: €536,313

Ellinikos Organismos Systimatou Eyfyon Metaforon

Address:

SYNGROU AVENUE 184
17671 ATHENS
Greece

EU Contribution: €121,875

Ellinika Tachydromeia

Address:

APELLOU 1
101 88 ATHINA
Greece

EU Contribution: €206,250

Trt Trasporti E Territorio

Address:

Via Rutilia 10/8
2041 MILANO
Italy

Organisation Website:

<http://www.trttrasportieterritorio.it>

EU Contribution: €350,625

Swarco Mizar Srl

Address:

Via Nizza
10126 Torino
Italy

Organisation Website:

<http://www.miz.it>

EU Contribution: €363,544

Singkioular Lotzik Anonymos Etairia Pliroforiakon Systimaton & Efarmogon

Address:

IOLKOU PANAGOULI SINISOGLOU KAI FILIKIS ETAIREIAS
14234 N IONIA
Greece

EU Contribution: €649,688

Nec Laboratories Europe Gmbh

Address:

KURFURSTEN-ANLAGE 36
69115 HEIDELBERG
Germany

EU Contribution: €545,879

Athens University Of Economics And Business - Research Center

Address:

Kefallinias
11251 Athens
Greece

Organisation Website:

<http://www.aueb.gr>

EU Contribution: €135,750

Ekol Lojistik As

Address:

ADIL MAHALLESİ EKOL CADDESİ 2
34935 SULTANBEYLİ İSTANBUL
Turkey

EU Contribution: €358,750

Intrasoft International Sa

Address:

Rue Nicolas Bove
1253 Luxembourg
Luxembourg

Organisation Website:

<http://www.intrasoft-intl.com>

EU Contribution: €572,500

Technologies:

Freight transport technologies
Collaborative logistics ecosystem

Development phase: Research/Invention

STRIA Roadmaps: Network and traffic management systems

Transport mode: Multimodal transport

Transport sectors: Freight transport

Transport policies: Digitalisation

Geo-spatial type: Other