

PROJECT

TIMON

Enhanced real time services for an optimized multimodal mobility relying on cooperative networks and open data

Funding: European (Horizon 2020)

Duration: Jun 2015 - Nov 2018

Status: Complete

Total project cost: €5,605,213

EU contribution: €5,605,213



Call for proposal: H2020-MG-2014_TwoStages

[CORDIS RCN : 193386](#)

Objectives:

Europe would be close to solving problems related to congestion, traffic safety and environmental challenges if people, vehicles, infrastructure and business were connected into one cooperative ecosystem combining integrated traffic and transport management with new elements of ubiquitous data collection and system self-management.

The main objective is increasing the safety, sustainability, flexibility and efficiency of road transport systems by taking advantage of cooperative communication and by processing open data related to travel through a cooperative open web based platform and mobile application, developed with the purpose of delivering information and services to drivers, businesses and Vulnerable Road Users in real time.

The operative objectives will be to:

- Analyse stakeholder's needs incorporating them in the specification of the transport services delivered by the platform;
- Identify transport open data sources of information and harmonizing this data to be used as real-time information;
- Define and implement a fully distributed global architecture to enable cooperative sensing in ITS;
- Leverage the information gathered from vehicular communications, GNSS and open data by means of artificial intelligence techniques;
- Develop hybrid networks, supporting 802.11p and mobile communications, which will allow assuring a stable communication channel between vehicles and VRU (usually bringing smartphone).
- Empower drivers to deliver data to the platform by leveraging the information generated by their mobile phones exponentially increasing the information available on traffic status.
- Implement ITS services arranged in the following main areas: driver assistance, vulnerable users and multimodal dynamic commuter, enhanced real time traffic information API and TIMON collaborative ecosystem;
- Design two validation environments, a test bed site and another located in an (inter)urban area;

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:

Universidad De La Iglesia De Deusto

Address:

Avda. de las Universidades 24
48007 Bilbao
Spain

Organisation Website:

<http://www.deusto.es>

EU Contribution: €943,750

Partner Organisations:**Intecs Spa****Address:**

Salita Del Poggio Laurentino 7
144 Roma
Italy

EU Contribution: €241,250

Javno Podjetje Ljubljanska Parkirisca In Trznice Doo**Address:**

KOPITARJEVA ULICA 2
1000 LJUBLJANA
Slovenia

EU Contribution: €413,000

Xlab Razvoj Programske Opreme In Svetovanje Doo**Address:**

POT ZA BRDOM 100
1000 LJUBLJANA
Slovenia

Organisation Website:

<http://xlab.si>

EU Contribution: €278,375

Centre Tecnologic De Telecomunicacions De Catalunya**Address:**

Parc Mediterrani De La Tecnologia - Av. Carl Friedrich Gauss 11
8860 Castelldefels
Spain

Organisation Website:

<http://www.cttc.cat>

EU Contribution: €500,088

Fraunhofer Gesellschaft Zur Foerderung Der Angewandten Forschung E.v.**Address:**

HANSASTRASSE 27C
80686 MUNCHEN
Germany

Organisation Website:

<http://www.fraunhofer.de>

EU Contribution: €657,000

Tass International**Address:**

AUTOMOTIVE CAMPUS 15
5708 JZ HELMOND
Netherlands

EU Contribution: €525,000

Iskra Elektro In Elektronska Industrija Dd**Address:**

STEGNE 21
1000 LJUBLJANA
Slovenia

EU Contribution: €750,625

Geox Terinformatikai Kft**Address:**

KEREK UTCA 80
BUDAPEST
1035
Hungary

EU Contribution: €367,875

The Sensible Code Company Ltd**Address:**

JAMES HOUSE STONECROSS BUSINESS PARK YEW TREE WAY
WARRINGTON CHESHIRE
WA3 3JD
United Kingdom

EU Contribution: €575,000

Confederation Of Organisations In Road Transport Enforcement Aisbl**Address:**

Avenue Eugene Plasky 22
1030 Bruxelles
Belgium

Organisation Website:

<http://www.corte.be>

EU Contribution: €353,250

Technologies:

Connected and automated vehicles
Standards for ITS and cooperative car systems

Development phase: Research/Invention

STRIA Roadmaps:

Cooperative, connected and automated transport, Network and traffic management systems

Transport mode: Multimodal transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Digitalisation

Geo-spatial type: Other