



TIMON

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

Deliverable D8.9: Dissemination material: compilation of articles, flyers, brochures, etc, for the project diffusion

Dissemination level:

Public Confidential, only for members of the consortium (including the Commission Services).

Version number: 1.0

Submission deadline: 30/11/2017

www.timon-project.eu



TIMON project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 636220

DOCUMENT INFORMATION

Authors

Name	Organisation
Rémi GELMINI	CORTE
Rémy RUSSOTTO	CORTE

Reviewers

Name	Organisation
Leire SERRANO	DEUSTO
Hugo LANDALUCE	DEUSTO
Javier ARRIBAS	CTTC
Monica NAVARRO	CTTC
Tamás PRAJCZER	GEOX
Ilaria VITALI	INTECS
Darjan TOMAŽIN	ISKRA
Andrej STIJEPIĆ	JP LPT
Tristan BACON	SENSIBLE CODE
Matija CANKAR	XLAB
Yagmur SEVILMIS	FRAUNHOFER
Christos ISMYRLOGLOU	TASS

Document control

Version	Date	Comment
0.1	13/12/2017	Initial draft by CORTE
0.2	15/12/2017	Revision by the consortium
0.3	25/01/2018	Second revision by the consortium
1.0	29/01/2018	Document reviewed by the consortium

Document approval

Version	Date	Partners
1.0	02/02/2018	All consortium partners

BASIC PROJECT INFORMATION

Horizon 2020 programme

H2020 - Mobility for Growth- 3.5-2014. Cooperative ITS for safe, congestion-free and sustainable mobility

Grant Agreement No. 636220

TABLE OF CONTENTS

Executive Summary.....	5
1. Introduction.....	6
2. Lists of Dissemination materials.....	7
3. Conclusions.....	16
List of abbreviations and acronyms.....	17

LIST OF TABLES

Table 1 General Dissemination Materials.....	7
Table 2 Presentations at External events.....	10
Table 3 Conference Papers.....	12
Table 4 Other Dissemination Materials for External Events.....	13
Table 5 Mentions of TIMON in external dissemination and communication materials.....	13
Table 6 Scientific Publications.....	15

Executive Summary

This report provides a state-of-play of the Dissemination materials produced in the framework of the TIMON project from its start in June 2015 to date (December 2017).

The document provides a list of the materials produced and used:

- ▶ General dissemination materials
- ▶ Dissemination materials produced for external events
- ▶ Mentions of TIMON project in external dissemination and communication materials
- ▶ Scientific Publications

1. Introduction

This report provides a state-of-play of the Dissemination materials produced in the framework of the TIMON project, from its start in June 2015 until this date (December 2017).

The document provides a list of the materials produced and used:

- ▶ General dissemination materials
- ▶ Dissemination materials produced for external events:
 - Presentations made by partners during external events
 - Papers submitted in Conference proceedings
 - Other dissemination materials produced and used for external events
- ▶ Mentions of TIMON project in external dissemination and communication materials
- ▶ Scientific Publications

All materials have been uploaded on the TIMON Google Drive, and an URL is provided for each sub-group of materials.

2. Lists of Dissemination materials

2.1. General Dissemination Materials

URL: <https://drive.google.com/drive/folders/1QEWBKNREqTnLNeaDEMRNMloXAL-fb03V>

N°	Partner	Materials	Date
1.1	CORTE	TIMON Banner v1	09/2015
1.2	CORTE	TIMON Banner v2	03/2017
1.3	CORTE	TIMON Flyer v1	09/2015
1.4	CORTE	TIMON Flyer v2	03/2017
1.5	CORTE	TIMON Poster v1	09/2015
1.6	CORTE	TIMON Poster v2	03/2017
1.7	CORTE	TIMON Publishable Summary v1	07/2016
1.8	CORTE	TIMON Publishable Summary v2	09/2017
1.9	CORTE	TIMON Project Presentation v1	09/2015
1.10	CORTE	TIMON Factsheet	09/2015
1.11	DEUSTO	TIMON General Press Release	09/2015
1.12	CORTE	TIMON Newsletter 1	02/2016
1.13	CORTE	TIMON Newsletter 2	10/2017
1.14	DEUSTO	TIMON Storytelling Video	05/2016
1.15	GEOX	GeoX Experimenting Ecodriving	01/2016
1.16	GEOX - JP LPT	Ljubljana Animated Map	04/2016
1.17	GEOX	GeoX Roll-out	07/2016
1.18	XLAB	XLAB Presentation TIMON Workshop	15/03/2017
1.19	Fraunhofer ESK	Fraunhofer ESK Press Release 1	06/2017
1.20	Fraunhofer ESK	Fraunhofer ESK Press Release 2	17/08/2017

Table 1 General Dissemination Materials

2.2. Dissemination Materials for External events, including conferences and workshops

URL: <https://drive.google.com/drive/folders/1ns16rS50Q6DczwIEQp-rMbkwCyS-5aRC>

2.2.1. Presentations

URL: <https://drive.google.com/drive/folders/1hJ2AAaPmRgQ5NmBBghokmfunwSUYggLT>

N°	Partner	Materials	File name & URL	Event name	Place and Date
2.1.1	DEUSTO	Presentation	TIMON project – results on subsystems testing and progress on the integration of services	INEA workshop of H2020 ITS projects coordinators	11/12/2017 Brussels, Belgium
2.1.2	DEUSTO	Presentation	Enhanced real time services for an optimized multimodal mobility relying on cooperative networks and open data	European Conference of Transport Research Institutes (ECTRI) 2017	27-28/11/2017 Bilbao, Spain
2.1.3	DEUSTO	Presentation	El Proyecto TIMON	VIII Congreso ITS Euskadi	10/11/2017 Zamudio, Spain
2.1.4	Fraunhofer ESK	Presentation	Hybrid Communication	CODECS ConCall	21/09/2017 Online meeting
2.1.5	XLAB	Presentation	Fog and Cloud in the Transportation, Marine and eHealth domains	European Conference on Parallel and Distributed Computing (EURO-PAR)	28/08/2017 Santiago de Compostela, Spain
2.1.6	DEUSTO	Presentation	DEMO: Multimodal planning system	ITS Europe	21/05/2017 Strasbourg, France
2.1.7	DEUSTO Fraunhofer ESK	Presentation	Hybrid Communication	CODECS Workshop	19/05/2017 Brussels, Belgium

N°	Partner	Materials	File name & URL	Event name	Place and Date
2.1.8	DEUSTO	Presentation	Enhanced real time services for an optimized multimodal mobility relying on cooperative networks and open data	XVII Congreso Español sobre Sistemas Inteligentes de Transporte.	25-27/04/2017 Madrid, Spain
2.1.9	DEUSTO	Presentation	Thinking of mobility. Thinking on the road	AEC Lab Workshop	30/03/2017 Barcelona, Spain
2.1.10	DEUSTO	Presentation	Enhanced real time services for an optimized multimodal mobility relying on cooperative networks and open data	Jornadas de Impacto Social de la Investigación de Deusto,	20/03/2017 Bilbao, Spain
2.1.11	XLAB	Presentation	Experiences on Applications for Smart Cities and Future Society	PMiS (Pametna mesta in skupnosti – Smart cities and Communities) workshop	13/03/2017 Slovenia
2.1.12	DEUSTO	Presentation	An Intelligent System for Short-term Congestion Prediction	Mobility Task Group European Conference of Transport Research Institutes (ECTRI)	18/10/2016 Bilbao, Spain
2.1.13	DEUSTO	Presentation	The future of multimodal travel in Europe	EU Travel Conference	06/10/2016 Barcelona, Spain
2.1.14	INTECS	Presentation	Geo-localized data distribution using MQTT	ARTEMIS Technology Conference	06/10/2016 Madrid, Spain
2.1.15	Fraunhofer ESK	Presentation + Video https://tinyurl.com/dyethja	Enhanced real time services for an optimized multimodal mobility relying on cooperative networks and open data	IEEE Workshop on Cooperative Communication and Positioning 2016	19/06/2016 Gothenburg, Sweden

N°	Partner	Materials	File name & URL	Event name	Place and Date
2.1.16	Fraunhofer ESK	Presentation + Video https://tinyurl.com/yah2ypnp	Heterogeneous networking for cooperative applications	IEEE Workshop on Cooperative Communication and Positioning 2016	19/06/2016 Gothenburg, Sweden
2.1.17	DEUSTO	Presentation	Enhanced real time services for an optimized multimodal mobility relying on cooperative networks and open data	EURO CULTURE master	17/03/2016
2.1.18	DEUSTO	Presentation	TIMON project – Enhanced real time services for an optimized multimodal mobility relying on cooperative networks and open data	H2020 - Smart, green and integrated transport, infoday	16/11/2015 San Sebastian Spain
2.1.19	DEUSTO	Presentation	TIMON Project	H2020 ITS and Connected Vehicles Domain Workshop	06/11/2015 Brussels

Table 2 Presentations at External events

2.2.2. Papers submitted to conferences

URL: <https://drive.google.com/drive/folders/1UPEfLT6T1zcYAEy60bA4H09lvgEkXShU>

N°	Partner	Event	Name Paper and URL	Date
2.2.1	Fraunhofer ESK	IEEE 86th Vehicular Technology Conference 24–27/09/2017, Toronto, Canada	Know Thy Neighbor - A Data-Driven Approach to Neighborhood Estimation in VANETs	24/09/2017
2.2.2	XLAB	European Conference on Parallel and Distributed Computing (EURO-PAR) 28/08-01/09 2017, Santiago de Compostela, Spain	Paper on Fog and Cloud in the Transportation, Marine and eHealth domains at the European Conference on Parallel and Distributed Computing	28/08/2017

N°	Partner	Event	Name Paper and URL	Date
2.2.3	DEUSTO	12th ITS European Congress 19-22 June 2017 Strasbourg, France	Application of Artificial Intelligence Techniques to Traffic Prediction and Route Planning, the vision of TIMON project URL: https://zenodo.org/record/894076	19/06/2017
2.2.4	DEUSTO	17th Conference of the Spanish Association for Artificial Intelligence (CAEPIA 2016) 14-16/09/2016 Salamanca, Spain	Short-term traffic congestion forecasting using hybrid metaheuristics and rule-based methods: A comparative study URL: https://zenodo.org/record/164849	13/09/2016
2.2.5	DEUSTO	Genetic and Evolutionary Computation Conference (GECCO 2016) 20-24/07/2016 Denver, Colorado	Comparison between Golden Ball Meta-heuristic, Evolutionary Simulated Annealing and Tabu Search for the Traveling Salesman Problem URL: https://zenodo.org/record/164846	20/07/2016
2.2.6	DEUSTO	Genetic and Evolutionary Computation Conference (GECCO 2016) 20-24/07/2016 Denver, USA	TIMON Project: Description and Preliminary Tests for Traffic Prediction Using Evolutionary Techniques URL: https://zenodo.org/record/164848	20/07/2016
2.2.7	DEUSTO	6th Transport Research Arena (TRA) Conference 18-21/04/2016 Warsaw, Poland	A comparative study on the performance of evolutionary fuzzy and crisp rule based classification methods in congestion prediction URL: https://zenodo.org/record/164843	18/04/2016
2.2.8	DEUSTO	Hybrid Artificial Intelligent Systems 2016 (HAIS 2016) Seville, Spain, April 18-20, 2016	Hybrid Optimization Method Applied to Adaptive Splitting and Selection Algorithm URL: https://zenodo.org/record/164850	14/04/2016

N°	Partner	Event	Name Paper and URL	Date
2.2.9	CTTC	<p>Proceedings of the International Meeting of the Satellite Division of the Institute of Navigation (ION GNSS+ '17)</p> <p>25-29 September 2017, Portland, OR (USA).</p>	<p>Design, Implementation, and Performance in the Urban Canyon of a Low-cost GNSS/INS/Odometric Sensor Fusion Platform for Ground Intelligent Transportation Systems</p> <p>URL: https://zenodo.org/record/1037319#.Wmn_6K7T7t0</p>	29/09/2017

Table 3 Conference Papers

2.2.3. Other dissemination materials

URL: https://drive.google.com/drive/folders/1uUDM_eXw4SuA7foSyCwhGH1HUWETE1m

N°	Partner	Material	Title	Event	Date
2.3.1	DEUSTO	Project Factsheet	TIMON Project Factsheet	1st European Conference on Results from Road Transport research in H2020 projects	29.11.2017
2.3.2	Fraunhofer ESK	Poster	Know Thy Neighbour - A Data-Driven Approach to Neighbourhood Estimation in VANETs	IEEE 86th Vehicular Technology Conference	24/09.2017 Toronto, Canada
2.3.3	JP LPT	Promotional materials	Badges, bags, bus, flyers	European Mobility Week	20/09/2016 Ljubljana, Slovenia
2.3.4	CORTE	Poster	TIMON PROJECT Enhanced real time services for an optimized multimodal mobility relying on cooperative networks and open data	Collaborative Innovation Days 2nd Workshop on Infrastructure Cloud – Operation and Services	09/06/2017 Brussels, Belgium

N°	Partner	Material	Title	Event	Date
2.3.5	DEUSTO	Poster	TIMON PROJECT Enhanced real time services for an optimized multimodal mobility relying on cooperative networks and open data	Transport Research Area Conference	18-21/04/2016 Warsaw, Poland

Table 4 Other Dissemination Materials for External Events

2.3. Mentions of TIMON project in external dissemination and communication materials

URL: <https://drive.google.com/drive/folders/14qyYdtbginwmbRiF160MjzIHONIASMIQ>

N°	Partner	Materials	File name & URL	Comments	Date
3.1	DEUSTO	CODECS Newsletter	CODECS Newsletter	Article on TIMON	10/2017
3.2	DEUSTO	CODECS Deliverable T4.2.1	Results of CODECS workshop on ITS Hybrid Communication	Mention of TIMON	09/2017
3.3	XLAB	Brochure		Distributed at: - Webcamp Ljubljana 2017 - Electrical Engineering Students' European Association (EESTEC) Spring Congress 2017	04/2017
3.4	XLAB	Magazine	Discover Slovenia Magazine	Article in magazine printed by National Trade Organisation GZS, German version	04/2017
3.5	DEUSTO	Article	DEUSTO engineering journal	Presentation piece in DEUSTO engineering journal	01/12/2016
3.6	JP LPT	Website JP LPT	Project TIMON	Presentation of TIMON	13/10/2016
3.7	JP LPT	Website City of Ljubljana	ClairCity, TIMON and Social Car	Article presenting EU projects, including TIMON	04/10/2016
3.8	ALL	Brochure	INEA Brochure 2016	Presentation of TIMON	01/10/2016

Table 5 Mentions of TIMON in external dissemination and communication materials

2.4. Scientific Publications

URL: <https://drive.google.com/drive/folders/1QJ7dK3q82Fx2A663UsaY-rt8W-ICB9vj>

N°	Partner	Reference	Name Paper and URL	Date
4.1	DEUSTO	<p>ISBN: 978-3-319-64286-4</p> <p>Published in: Soft Computing Based Optimization and Decision Models: To Commemorate the 65th Birthday of Professor Jose Luis "Curro" Verdegay, Springer International Publishing, pp. 63-81 (978-3-319-64286-4)</p>	<p>Applications of Soft Computing in Intelligent Transportation Systems</p> <p>URL: https://zenodo.org/record/888923</p>	01/08/2017
4.2	DEUSTO	<p>Published in: Neurocomputing: 271 pp. 2-8.</p>	<p>Good Practice Proposal for the Implementation, Presentation, and Comparison of Metaheuristics for Solving Routing Problems</p> <p>URL: https://zenodo.org/record/1066930</p>	06/07/2017
4.3	DEUSTO	<p>DOI: 10.1016/j.eswa.2016.02.034</p> <p>Published in: Expert Systems with Applications: 58 pp. 508-519.</p>	<p>GACE: A meta-heuristic based in the hybridization of Genetic Algorithms and Cross Entropy methods for continuous optimization</p> <p>URL: https://zenodo.org/record/164825</p>	15/08/2016
4.4	DEUSTO	<p>ISBN: 978-3-319-30233-1</p> <p>Published in: Nature-Inspired Computation in Engineering, Springer, pp. 21-41 (978-3-319-30233-1).</p>	<p>An Evolutionary Discrete Firefly Algorithm with Novel Operators for Solving the Vehicle Routing Problem with Time Windows</p> <p>URL: https://zenodo.org/record/164844</p>	20/03/2016

N°	Partner	Reference	Name Paper and URL	Date
4.5	DEUSTO	DOI: 10.1007/s00500-016-2114-1 Published in: Soft Computing	A Discrete Firefly Algorithm to Solve a Rich Vehicle Routing Problem Modelling a Newspaper Distribution System with Recycling Policy URL:	18/03/2016
4.6	DEUSTO	DOI: 10.1016/j.engappai.2015.10.006 Published in: Engineering Applications of Artificial Intelligence: 48 pp. 59-71.	An improved discrete bat algorithm for symmetric and asymmetric Traveling Salesman Problems URL: https://zenodo.org/record/164822	01/02/2016
4.7	DEUSTO	DOI: 10.1109/TITS.2015.2491365 Published in: IEEE Transactions on Intelligent Transportation Systems: 17 pp. 557 - 569.	A Hybrid Method for Short-Term Traffic Congestion Forecasting Using Genetic Algorithms and Cross Entropy URL: https://zenodo.org/record/164838	29/01/2016
4.8	DEUSTO	DOI: 10.5281/zenodo.209408	A migration strategy for distributed evolutionary algorithms based on stopping non-promising subpopulations: A case study on routing problems URL: https://zenodo.org/record/209408	01/10/2015

Table 6 Scientific Publications

3. Conclusions

This report has presented the wide range of Dissemination materials produced and used so far by the partners of the TIMON project in order to raise awareness about the project objectives, progresses and achievements from June 2015 to December 2017.

This report shows that great efforts have been made to:

- ▶ Develop a comprehensive array of communication tools;
- ▶ Ensure the presence of TIMON in key events for the ITS community, including presentations and submission of conference papers;
- ▶ Raise TIMON profile in the scientific community through the publication of a number of scientific articles in peer reviews;
- ▶ Develop cooperation with other H2020 ITS projects, and insists on the need to further foster these relationships, in order to mutually benefit from the work carried out and also share contacts in view of dissemination and exploitation.

List of abbreviations and acronyms

Abbreviation	Definition
CAEPIA	Conference of the Spanish Association for Artificial Intelligence
CODECS	Cooperative ITS Deployment Coordination Support
CORTE	Confederation of Organisations in Road Transport Enforcement
DOI	Digital Object Identifier
ECTRI	European Conference of Transport Research Institutes
EESTEC	Electrical Engineering Students' European Association
EURO-PAR	European Conference on Parallel and Distributed Computing
GACE	Genetic Algorithms and Cross Entropy
GECCO	Genetic and Evolutionary Computation Conference
GNSS	Global Navigation Satellite System
H2020	Horizon 2020
HAIS	Hybrid Artificial Intelligent systems
IEEE	Institute of Electrical and Electronics Engineers
INEA	Innovation and Networks Executive Agency
INS	Inertial Navigation System
ISBN	International Standard Book Number
ITS	Intelligent Transport Systems
PMiS	Pametna mesta in skupnosti
TIMON	Enhanced real time services for an optimised multimodal mobility relying on cooperative networks and open data
TRA	Transport Research Arena
URL	Uniform Resource Locator
VANETs	Vehicular ad-hoc networks