

PROJECT

DIAMOND

Revealing fair and actionable knowledge from data to support women's inclusion in transport systems

Funding: European (Horizon 2020)

Duration: Nov 2018 - Oct 2021

Status: Ongoing

Total project cost: €2,628,409

EU contribution: €2,628,406



[CORDIS RCN : 218696](#)

Objectives:

Current transport systems do not sufficiently take into account physical and social characteristics of women in the design of products and services, and in fostering women's employability in the industry.

Technologies such as data mining and analytics, together with the use of elicitation techniques to gather and analyse information from different stakeholders, allow the generation of actionable knowledge for addressing gender-specific needs for transport decision-making, planning tools and methods. DIAMOND will exploit such technological advances and innovations, to

- Analyse real-world scenarios where these open issues exist, and
- Take concrete action, to create a fair and inclusive transport system.

DIAMOND's main goal is to turn data into actionable knowledge with notions of fairness, in order to progress towards an inclusive and efficient transport system. This objective will be achieved by the development of a methodology based on the collection and analysis of disaggregated data, including new sources, analytics and management techniques. This allowing the opportunity to identify, design and evaluate specific measures for fulfilling the needs and expectations of women as users of different transport modes and as jobholders in the sector. The knowledge gathered in the data analysis will then be fed into a toolbox that will provide recommendations on how to achieve fair inclusiveness for women in each of the identified use-cases. Interdisciplinary analysis combining methods from social sciences and computer science will contribute to fairness of the model and its results (i.e. condition of being free from bias or injustice).

To prove actionability, this project will make concrete advances in four real-world scenarios (use-cases) where inclusiveness is currently a central issue:

1. Railways and public multimodal transport,
2. Vehicle Dynamics control towards autonomous driving,
3. Vehicle sharing and
4. Corporate social responsibility and employment.

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-4-3-2018 Demographic change and participation of women in transport

Lead Organisation:

Fundacio Eurecat

Address:

Carrer Roc Boronat 117, 5 Planta
8018 Barcelona
Spain

EU Contribution: €493,937

Partner Organisations:

Systematica S.p.a.

Address:

Via Lovanio 8
20121 Milan
Italy

Organisation Website:

<http://www.systematica.net>

EU Contribution: €179,250

Institiuid Teicneolaiochta Bhaile Atha Cliath

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Rathmines Road Lower 143-149
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Dublin
Ireland

EU Contribution: €273,237

Syndicat Mixte Autolib Et Velib Métropole

Address:

2 RUE JEAN LANTIER
75001 PARIS
France

EU Contribution: €106,250

Univerzitet U Beogradu - Saobracajni Fakultet

Address:

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11000 Belgrade
Serbia

EU Contribution: €93,750

Miasto Stoleczne Warszawa

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Organisation Website:

<http://www.um.warszawa.pl>

EU Contribution: €115,000

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Organisation Website:

<http://www.hexagonstudio.com.tr/en/>

EU Contribution: €158,593

The University Of Stirling

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Stirling
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United Kingdom

EU Contribution: €316,781

Ferrocarrils De La Generalitat De Catalunya

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Els Vergós, 44
8028 Barcelona
Spain

EU Contribution: €144,375

Rina S.p.a.

Address:

Via Corsica 12
16128 Genova
Italy

Organisation Website:

<http://www.rina.org>

EU Contribution: €110,000

Edinburgh Napier University

Address:

Transport Research Institute, Edinburgh Napier University, 10 Colinton Rd
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EH10 5DT
United Kingdom

EU Contribution: €206,608

Genre Et Ville

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69 RUE HAXO
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France

EU Contribution: €124,375

Wave Women And Vehicles In Europe

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92200 BOIS COLOMBES

France

EU Contribution: €84,375

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Spain

EU Contribution: €221,875

Technologies:

Unclassified
Non-technology

Development phase: Research/Invention

Key Results:

To proof actionability, this project will make concrete advances in four real-world scenarios (use-cases) where inclusiveness is currently a central issue:

1. Railways and public multimodal transport
2. Vehicle Dynamics control towards autonomous driving
3. Vehicle sharing
4. Corporate social responsibility and employment.

STRIA Roadmaps: Cooperative, connected and automated transport, Smart mobility and services

Transport mode: Multimodal transport

Transport sectors: Passenger transport

Transport policies: Societal/Economic issues

Geo-spatial type: Other