USE-IT

Users, Safety, security and Energy In Transport Infrastructure

Funding: European (Horizon 2020)
Duration: May 2015 - Apr 2017
Status: Complete
Total project cost: €955,625
EU contribution: €955,625

Call for proposal: H2020-MG-2014_SingleStage_B
CORDIS RCN: 194890

Objectives:

The transport network across Europe faces challenges relating to carbon reduction targets, energy security, and depletion of natural resources, without sacrificing its efficiency and compromising mobility. In addition, the road and rail infrastructure in particular are ageing and require renewal. Simultaneously, advances in sensors, mobile communications, smart ticketing and ‘big data’ offer the potential for customers to become an active part of the transport operations system and have the information to make decisions – for transport to enable ‘mode agnostic’ personal and business travel and – for freight operators to have more resilience and better reliability in their systems.

In order to tackle the challenges and reap the benefits outlined above, infrastructure owners and transport operators will be required to work together, along with other crucial stakeholders, to share knowledge and cooperate in a way that will be beneficial to all parties, and this proposal seeks to facilitate this.

The objective of this project is to better understand the common challenges experienced across transport modes, bring representatives of transport modes together to share experience and skills and to develop a set of common research objectives. The project will draw upon the experience gained from the Joint European Transport platform with the focus on infrastructure operations, and will also focus on research objectives presented in the Forever Open Road programme and the work of the FORx4 - Forever Open Road, Railway, Runway and River - A Cross-modal transport initiative for research for which FEHRL produced a ‘Point of View’ document.

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:

Forum Des Laboratoires Nationaux Europeens De Recherche Routiere
**Address:**
Boulevard de la Woluwe 42
1200 Brussels
Belgium

**Organisation Website:**
http://www.fehrl.org

**EU Contribution:** €344,535

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**Partner Organisations:**

**Trl Limited**

**Address:**
Crowthorne House Nine Mile Ride 0
Wokingham
RG40 3GA
United Kingdom

**Organisation Website:**
http://www.trl.co.uk

**EU Contribution:** €130,363

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**Ait- Austrian Institute Of Technology GmbH**

**Address:**
Donau-City-Strasse 1
1210 WIEN
Austria

**Organisation Website:**
http://www.arcs.ac.at

**EU Contribution:** €116,926

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**Eurnex E. V.**

**Address:**
Fasanenstrasse 85
10623 Berlin
Germany

**EU Contribution:** €99,526

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**Laboratorio Nacional De Engenharia Civil**

**Address:**
AV DO BRASIL 101
1700 066 LISBOA
Portugal

**Organisation Website:**
http://www.lnce.pt

**EU Contribution:** €85,688

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**Service Technique De L'aviation Civile**

**Address:**
AVENUE DU MARECHAL LECLERC 31
94385 BONNEUIL SUR MARNE
France
<table>
<thead>
<tr>
<th>eu contribution:</th>
<th>€40,500</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Instytut Badawczy Drog I Mostow</strong></td>
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</tbody>
</table>
| **address:** | Ul. Instytutowa 1  
03 302 Warszawa  
Poland |
| **eu contribution:** | €74,344 |

| **institut francais des sciences et technologies des transports, de l’aménagement et des réseaux** | |
| **address:** | 2, avenue du general malleret-joinville  
94114 arcueil  
France |
| **eu contribution:** | €63,744 |

**technologies:**
- Information systems
- Sustainable urban mobility planning

**development phase:** Research/Invention

**stria roadmaps:** Infrastructure

**transport mode:** Multimodal transport

**transport sectors:** Passenger transport, Freight transport
- Societal/Economic issues, Safety/Security

**transport policies:** Decarbonisation

**geo-spatial type:** Other