Intelligent Transport Systems (ITS) for road

Intelligent Transport Systems (ITS) is the foundation to achieve the EU’s vision of seamless transport both in passenger and freight transport. The availability of ‘open’ and high quality transport data will provide substantial improvements in performance of transport networks, operations and services, while fostering their connectivity and facilitating collaboration.

In recent years ITS has been playing a crucial role to achieve the main European objectives for transport safety and sustainability. ITS services are now widely used across Europe and they drive transport efficiency at both local and national levels.

When ITS is applied to road transport, also linking it with other modes, it increases safety and capacity through higher interoperability and better use of the existing infrastructure, with subsequently financial and environmental benefits.

ITS projects may receive EU support from a number of sources. Two are directly managed by the Innovation and Networks Executive Agency (INEA):

- Connecting Europe Facility (CEF)
  - CEF supports transport infrastructure and new technologies. Access to funding is limited to bodies located in EU Member States.
  - 2014-2020 CEF budget for transport: €22.4 billion
- Horizon 2020
  - H2020 supports research and innovation projects. Access to funding is open to all potential beneficiaries, worldwide.
  - 2014-2020 H2020 budget for transport: €18.3 billion

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All information correct on 30 September 2015. EU support values represent the maximum co-funding available for each project.
### H2020 ITS projects

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Website</th>
<th>EU Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIMON</td>
<td>[<a href="http://www.masai.teleticketing.eu">www.masai.teleticketing.eu</a>][1]</td>
<td>€5,999,616</td>
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<tr>
<td>CODECS</td>
<td>[<a href="http://www.hights.eu">www.hights.eu</a>][2]</td>
<td>€5,605,213</td>
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<tr>
<td>ROADART</td>
<td>[<a href="http://www.roadart.eu">www.roadart.eu</a>][3]</td>
<td>€3,309,969</td>
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<tr>
<td>MASAI</td>
<td>[<a href="http://www.bonvoyage-h2020.eu">www.bonvoyage-h2020.eu</a>][4]</td>
<td>€4,000,000</td>
</tr>
<tr>
<td>OPTIMUM</td>
<td>[<a href="http://www.optimumproject.eu">www.optimumproject.eu</a>][5]</td>
<td>€5,964,645</td>
</tr>
<tr>
<td>SCOPED</td>
<td>[<a href="http://www.eutracel.eu">www.eutracel.eu</a>][6]</td>
<td>€8,257,000</td>
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<tr>
<td>URSA MAJOR 2</td>
<td>[<a href="http://www.its-observatory.eu">www.its-observatory.eu</a>][7]</td>
<td>€7,180,000</td>
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<tr>
<td>CROCODILE 2</td>
<td>[<a href="http://www.eutracel.eu">www.eutracel.eu</a>][6]</td>
<td>€23,031,862</td>
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<tr>
<td>MedTIS 2</td>
<td>[<a href="http://www.creare-traffic-control.com">www.creare-traffic-control.com</a>][8]</td>
<td>€10,650,234</td>
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<td>Arc Atlantique 2</td>
<td>[<a href="http://www.eutracel.eu">www.eutracel.eu</a>][6]</td>
<td>€18,456,120</td>
</tr>
<tr>
<td>Scoop@F part 2</td>
<td>[<a href="http://www.eutracel.eu">www.eutracel.eu</a>][6]</td>
<td>€2,600,000</td>
</tr>
</tbody>
</table>

### EU ITS Platform

- Nordsiway: €3,600,000
- Vallee: €5,700,000
- ScopePF part 2: €6,000,000
- MiniVal: €4,200,000
- UVa: €15,300,000
- EUC: €1,337,259
- eCallAll: €2,120,032
- LIBRECO: €3,106,735

### CEF ITS projects

- Road transport cooperation on European roads. All actions are in line with Member States’ determination to deploy ITS services and strengthen cross-border corridors with the implementation of ITS services, and include pilots which will enable the deployment of new ITS technologies on European roads.
- The deployment of interoperable and standards ITS services implies a continuous cooperation among Member States, technological investments and in IT applications that are stimulated and supported by INEA.

Indonesia is currently managing 11 projects under Horizon 2020 to address the following domains:

- Connectivity and information sharing for intelligent mobility
- Cooperative ITS for safe, congestion-free and sustainable mobility
- Towards zero-emissions addressing fragmentation in ITS deployment in Europe
- Safe and connected automation in road transport

The following projects are part of the CEF-ITS project portfolio:

- H2020
- SCOPE-PF
- Vallee
- eCallAll
- LIBRECO
- UVa
- SCOPE-PF part 2
- Nordsiway
- Vallee
- Vallee
- Sustainable, more flexible and more efficient mobility

The EuTravel project will create a collaborative virtual space for travel service providers and transport infrastructure stakeholders, which will enable urban tourists to make continuous, point-to-point real-time trips according to the real-time status of all travel routes, including also pedestrian environments and transportation systems.

The Timber project will create a cooperative smart road platform and mobile application to deliver real-time travel information which will enable urban tourists to make continuous, point-to-point real-time trips according to the real-time status of all travel routes, including also pedestrian environments and transportation systems.

### Key Facts

- Up to nearly 15 million public transport passengers daily
- Horizontally 
- The level of interaction between the different modes is crucial for achieving the societal goals

The challenges are to design and build cooperative and automated modes of transport, including cooperative ITS for safe, congestion-free and sustainable mobility.