Assessment Methodologies for ICT in multimodal transport from User Behaviour to CO2 reduction

Fact Sheet

<table>
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<tr>
<th>Project Information</th>
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<tr>
<td>AMITRAN</td>
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<tr>
<td>Grant agreement ID: 287551</td>
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<tr>
<td>Status</td>
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<td>Closed project</td>
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<tr>
<td>Start date</td>
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<td>1 November 2011</td>
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<td>Funded under</td>
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<td>FP7-ICT</td>
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<tr>
<td>Overall budget</td>
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<td>€ 2 648 130</td>
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<td>EU contribution</td>
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<td>€ 1 900 000</td>
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<td>Coordinated by</td>
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<td>NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO Netherlands</td>
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Project description

Low carbon multi-modal mobility and freight transport

The AMITRAN project will develop a framework for the evaluation of the effects of ICT measures in traffic and transport on energy efficiency and CO2 emissions. By doing so, it will contribute to the development of ICT solutions that allow more efficient multimodal goods transport and passenger mobility. It is AMITRAN's ambition to build the foundations for a standardised assessment of future European ICT developments.

Earlier studies indicate possible CO2 reductions up to 25% with certain ICT
measures. AMITRAN provides the methodology and tools to assess such reductions on European level in a systematic and realistic way. This will support developers, public authorities and investors in ICT solutions to make sound decisions based on reliable impact estimates, covering the complete transport chain.

AMITRAN’s objectives are:

- Developing a CO2 assessment methodology for ICT measures including multimodal passenger and freight transport, taking into account the whole chain of effects from user behaviour to CO2 production
- Developing open interfaces for models and simulation tools implementing this methodology starting from the road sector and integrating high level modelling from the other modes
- Developing a generic scaling up methodology and publicly available knowledge base with statistics to translate local effects to EU level.
- Validating the proposed methodology and its implementation with reference implementations using available data from other projects and/or studies
- Producing an online checklist and online guidance tool for future projects to use the proposed methodology in a practical manner

The top of EU transport R&D institutes have bundled forces to cooperate in AMITRAN. There will be cooperation with recent and ongoing EU projects where ICT applications and tools are developed which potentially contribute to CO2 reduction. As active participants in those projects, the AMITRAN project partners will ensure direct liaison with these projects.

Field of science

/social sciences/social and economic geography/transport/freight transport
/social sciences/social and economic geography/transport
/engineering and technology/environmental engineering/waste management/energy efficiency

Programme(s)

Topic(s)

Call for proposal

FP7-ICT-2011-7

Funding Scheme

CP - Collaborative project (generic)

Coordinator

NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK Onderzoek
Participants (6)

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Activity type
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Activity type
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<table>
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<tr>
<th>Organisation</th>
<th>Country</th>
<th>EU contribution</th>
<th>Address</th>
<th>Activity type</th>
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<th>Administrative Contact</th>
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<tr>
<td>DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV</td>
<td>Germany</td>
<td>€ 357 652</td>
<td>Linder Hoehe, 51147 Koeln</td>
<td>Research Organisations</td>
<td></td>
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<td>Christine Zöllter (Ms.)</td>
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<tr>
<td>FUNDACION TECNALIA RESEARCH &amp; INNOVATION</td>
<td>Spain</td>
<td>€ 200 272</td>
<td>Parque Cientifico Y Tecnologico De Bizkaia, Astondo Bidea, Edificio 700</td>
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<td>ECORYS NEDERLAND BV</td>
<td>Netherlands</td>
<td>€ 182 150</td>
<td>Watermanweg 44, 3067 GG Rotterdam</td>
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<td>Dick Mans (Mr.)</td>
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Romania
EU contribution
€ 82 050

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Private for-profit entities
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