

ICT for Clean Mobility Working Group

The aim of the ICT for Clean and Efficient Mobility WG is to identify and promote the potential benefits that ITS applications and services can bring towards cleaner and more energy-efficient mobility for people and goods. Much progress towards cleaner and more efficient mobility can already be made by better application and organisation of existing techniques. There are also significant opportunities for synergy and innovation in the areas of ITS for “eco-management” (of infrastructure and fleets) and “eco-driving” (improving driver and vehicle behaviour).

The WG will identify current work and state of the art in identified priority areas, and highlight opportunities for innovative ICT applications for cleaner mobility. It plans to assess how to quantify eco-benefits and the impact of ICT in the multi-modal world, analysing different scenarios. It will prepare recommendations for deployment, identifying barriers and then looking at options to overcome them.

Objectives

- Identify state of the art and new opportunities
- Identify innovative ICT measures to reduce environmental impact of mobility
 - ICT tools for vehicles, drivers and travellers
 - ICT tools for infrastructure management
- Assess costs and benefits
- Identify measures to promote and support deployment

Main Achievements and Challenges

The WG has held three workshops:

The first workshop (December 2006) identified the WG’s following five priority areas:

- traffic management
- pre-trip information & planning
- driver information & support
- route guidance & optimisation
- eco-driving

During the second workshop, a small group refined these priority areas and identified potential ICT technologies and applications for “clean and efficient mobility”. The results were summarised in a draft discussion paper that served as input for a presentation made to the eSafety Forum plenary on 1 March 2007.

A third workshop in March 2007 agreed that the priority should be focused on cooperative applications based on vehicle-infrastructure communications and interaction of vehicle and roadside systems.

Future activities

A final report is currently being drafted that will be agreed during the final workshop planned for October 2007.

Intended Stakeholders

- Automobile manufacturers and suppliers
- Fleet operators
- Public authorities
- Traffic and environmental system suppliers
- Research community

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