

European Technology Platforms Conference 2010

Workshop B1

Smaller Footprints: Decarbonisation of the Transportation of Passengers & Goods

Session 2, 11 May, 14h30 - 16h00

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Focus

Research, development and innovation will play an essential role in ensuring a low emission economy; in particular the decarbonisation of all transport modes, which will create new sources of growth. It means developing clean technologies and operations, including electric vehicles based on decarbonised electricity supply. This issue is explicitly mentioned in the political guidelines for the new Commission. It will be the central theme of the next White Paper on Transport policy, foreseen for 2010, as well as part of the future "EU 2020 Strategy".

European Technology Platforms, as stakeholder fora to define and help implementing strategic research agendas, can carry out together a valuable task in contributing to meet this challenge.

Introduction

Decarbonisation is a challenge for all sectors of the European economy. Transport accounts for more than a fifth of greenhouse gas emissions in Europe, but unlike other sectors the trend is going in the wrong direction and emissions are growing. Technical progress has been insufficient and achievements have been overcompensated by transport growth.

Transport has to contribute its fair share to the EU's objective of at least -20% greenhouse gas emissions until 2020 or the 2050 indicative targets of -60 to -80 % - just like agriculture, energy and all other sectors. Commission President Barroso highlighted in his political guidelines the importance of decarbonising the transport sector. Policies addressing different transport modes are implemented or in the pipeline. The new transport white paper will be published later in 2010 and outline an action plan.

To achieve the decarbonisation objective without limiting mobility and trade, a focus on research and innovation is essential. Technology push through research funding and technology pull through market-based and regulatory measures go hand in hand. But it is not enough to make assumptions about what level of decarbonisation technology can deliver until 2020 or 2050; those who can develop it and will ensure the market uptake have to be involved. European Technology Platforms can provide a framework for such a dialogue.

It is expected that the dialogue between ETPs will result in a consensus of all stakeholders without marginalising different opinions.

1. Objectives

Overall objective

- Identify how cooperation in research and innovation across Technology Platforms and technologies can address the challenges of decarbonisation of transport.

Sub objectives.

- Identify framework conditions that are important.
- Identify the stakeholders that need to be involved.
- Describe the potential for coordinated action.

3. Examples of deliverables

- Research and innovation lines to be pursued
- Potential for cooperation in research and innovation, including stakeholders.
- Recommendations for addressing the necessary framework conditions.

4. Speakers

- *How to achieve an 'Earth Friendly Transport': which research, innovation and demand-side measures?*
Wando Boevé, chairman of EIRAC, Member of the Management Board, Director Marketing and Sales, European Combined Terminals (ECT)
- **Govert Hamers**, Chairman of WATERBORNE TP and IHC President
- *What are the research, innovation and deployment problems that need to be solved to achieve decarbonisation of transport?*
Wolfgang Steiger, ERTRAC Chairman, Director Future Technologies Volkswagen AG
- **Joachim Szodruch**, co-chairman of ACARE, DLR Executive Board member responsible for Aeronautics
- **John Ketchell**, Director Innovation Department, CEN-CENELEC Management Centre

5. Chair and Rapporteur

- Chair: **András Siegler**, DG RTD Director
Why decarbonisation of transport systems is important to achieve sustainable transport
- Rapporteur: **Mike McDonald**, Emeritus Professor, Transportation Research Group, School of Civil Engineering and the Environment, University of Southampton
- Moderator: **Joachim Szodruch**, co-chairman of ACARE, DLR Executive Board member responsible for Aeronautics

Panel discussion: moderator and speakers

8 April 2010

What more is needed in terms of further research, innovation and demand-side measures?

What modalities of interdisciplinary cooperation need to be explored? How can they be implemented?

Conclusion: chairman