

SESSION 6B

GEARING UP FOR EVALUATION – TRANSPORTATION

Moderator: Steven Braithwait, CA Energy Consulting

PAPERS:

Using Indicators to Inform and Monitor an Emissions Based Car Tax

Martin Howley, Sustainable Energy Authority of Ireland

Emer Dennehy, Sustainable Energy Authority of Ireland

Fionn Rogan, Environmental Research Institute, University College

Brian Ó Gallachóir, Environmental Research Institute, University College Cork

Evaluating the Impact of Energy Efficiency and CO₂ Emissions Measures on Private Car Transport Using a Stock Model

Hannah Daly, Environmental Research Institute, University College Cork

Brian P Ó Gallachóir, Environmental Research Institute, University College Cork

A New Challenge for the Energy Efficiency Evaluation Community: Energy Savings and Emissions Reductions from Urban Transportation Policies

Jean-Sebastien Broc, Ecole des Mines de Nantes

Bernard Bourges, Ecole des Mines de Nantes

SESSION SUMMARY:

This session focuses on the evaluation of energy efficiency policies in the transportation sector, particularly automobiles.

One of the papers analyzes recent automobile purchasing trends in Ireland since the implementation of a new vehicle registration tax and annual motor tax that are based on environmental emissions rather than engine size.

A second paper develops an energy demand model for private cars derived from historical data, and uses the model to project baseline energy and CO₂ demand to 2020 in Ireland under alternative technologically driven policy measures.

The third paper discusses challenges in energy efficiency evaluation regarding public policies in the transportation sector compared to, for example, the buildings sector.