



Third International Workshop: The Energy Transition in Land Transportation

Timing : November 9-10 2017

Location: Ecole Normale Supérieure, 45 rue d'Ulm, Paris 5, France

Organizing Committee: Dominique Bureau, Anna Creti, Carolyn Fischer, Guy Meunier, Juan Pablo Montero, Thomas Sterner

Coordinator: Jean-Pierre Ponsard

Scope of the workshop

Land transportation for passengers and merchandises is one of the major sources of CO2 emissions worldwide and urban toxic particles (NOx, fine particles...). Emissions are barely declining in OCDE countries and bound to grow in emerging countries due to the increase in standards of living and urbanization. This situation creates an important challenge for the mitigation of climate change: new technologies have been launched, a set of complementary policies has been designed both national and local, and consuming habits are changing.

Topics

- Economics of the new powertrains: evaluation and deployment strategies
- Learning-by-doing, spill-overs and coordination needs along the value chain
- Competition and/or complementarity in usage and infrastructures
- Implications of zero emission vehicles for electricity storage and supply/demand balance
- New trends in transportation modes (collaborative transportation modes, development of multimodal journeys, autonomous vehicles...)
- Evaluation of public policies at the national and local levels (carbon tax, subsidies, technical norms, driving restrictions, urban tolls...)

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Final program

Thursday 9 November

10.00 10.25 Registration and coffee

10.25 10.30 Welcome Address

Jean-Pierre Ponsard

10.30 12.30 Session 1: Evaluation of Public Policies

10.30 11.10 Green Cars Adoption and the Supply of Alternative Fuels.

Giulia Pavan (TSE, Toulouse, France)

11.10 11.50 Evaluating sustainable transportation offers through housing price: a comparative analysis of Nantes urban and periurban/rural areas (France).

Julie Bulteau (CEARC, Université Paris-Saclay, France)

with Thierry Feuillet and Rémy Le Boennec

11.50 12.30 Winners and Losers: Distributional Effects of the French Feebate Policy on the New Car Market.

Isis Durrmeyer (TSE, Toulouse, France)

12:30-14:00 Lunch

14.00 17.30 Session 2: Deployment

14.00 14.40 Charging of electric vehicles: The implications of multiple standards

Mads Greaker (Statistics Norway, Norway)

14.40 15.10 Dynamics of electric vehicles and renewable power generation : application to New Caledonia.

Frédéric Lantz (IFP, Paris, France) with Arash Farnoosh, Maria-Juliana Suarez, Yulu Tian

15.10 15.50 Integrating electric vehicles and stationary electricity storages into decentralized energy systems with photovoltaic generation.

Patrick Jochem (French-German Institute of Environmental Research and Karlsruhe Institute of Technology, Germany) with Katrin Seddig, and Johannes Schäuble

15.50 16.10 Coffee break

16.10 16.50 Investment needs of transport infrastructures along low carbon Pathways, Vivien Fisch-Romito (CIRED, Ecole des Ponts ParisTech, France) with Céline Guivarch

16.50 17.30 International spillovers from fuel economy policies, Carolyn Fischer (Resource For the Future, Washington, USA) with Antoine Dechezlepretre

Friday 10 November

9.00 12.00 Session 3 : Urban transportation

9.00 9.40 Optimal Congestion Pricing with Diverging Long-2 Run and Short-Run Scheduling Preferences
Erik Verhoeff ([Tinbergen Institute](#), The Netherlands)

9.40 10.20 The impact of congestion charges on bike-sharing in Milan.
Elisabetta Cornago (OECD Environment Directorate, Paris, France)
with, Alexandros Dimitropoulos and Walid Oueslati

10.20 10.40 Coffee break

10.40 11.20 Electric vehicles and urban transport externalities – is Norway a good example?
Stef Proost (KU Leuven , Belgium)

11.20 12.00 Electric vs. conventional vehicles: environmental externalities and urban spatial policies
Efthymia Kyriakopoulou (Swedish University of Agricultural Sciences, Sweden)
with Wolfgang Habla

12:00-13:30 Lunch

13.30 17.00: Session 4 Policy issues and future research topics

13.30 14.10 Electromobility: Taking stock, looking ahead.
Yannick Perez (RITM, University Paris Saclay, France)

14.10 14.50 FCEV: Growing momentum and challenges of mass market deployment
Alena Fargère (Economist & Hydrogen Energy Market Analyst, Air Liquide)

14.50 15.30 Railway system contribution to national electricity sustainability,
Guillaume Gazon (Innovation & Research Department, SNCF, Paris, France) with Tony Letrouvé

15.30 15.40 Coffee break

15.40 16.20 Decarbonising suburban mobility:
Francisco Luciano (Head of the working group on Mobility, The Shift Project, Paris, France)
with Nicolas Raillard.

16.20 17.00 Transport policies in the Ile-de-France Paris Region.
Dany Nguyen-Luong (Director of the Department Mobility and Transportation, Institut d'Aménagement et d'Urbanisme de l'Île de France)