

AGENDA

Decarbonising Road Freight

EXPERT WORKSHOP

28-29 June 2018

OECD – Boulogne

BB3, 46 Quai Alphonse le Gallo, 92100 Boulogne-Billancourt

■ INTERNATIONAL TRANSPORT FORUM

The [International Transport Forum](#) (ITF) at the OECD is an intergovernmental organisation with 59 member countries. It acts as a think tank for transport policy that covers all modes of transport.

The ITF's mission is to foster a deeper understanding of the role of transport in economic growth, environmental sustainability and social inclusion and to raise the public profile of transport policy.

The ITF acts as a platform for discussion of transport policy issues. It analyses trends, shares knowledge and promotes exchange among transport decision-makers and civil society.

■ DECARBONISING TRANSPORT PROJECT

The **ITF Decarbonising Transport (DT) project** responds to the need of transport actors to identify effective policies for carbon dioxide (CO₂) reduction and evaluate the impact of Nationally Determined Contributions (NDCs) and other measures on reducing CO₂ emissions. The DT project offers decision makers the tools for selecting CO₂ reduction measures that will deliver on their strategic objectives.

The DT project has three main objectives:

1. Engage with countries and partners to gather evidence and best practice for decarbonising transport
2. Help countries design effective transport carbon mitigation policies by disseminating knowledge and quantitative evidence
3. Provide analytical assistance as requested by countries or partners

■ DECARBONISING ROAD FREIGHT

The freight sector is a key driver of economic growth globally. Except in the occurrence of an unforeseen disruptive innovation, road freight, being flexible, able to access most territories and cost competitive, will remain irreplaceable, particularly for the last mile. Despite the expected high growth in demand, the number of vehicle-kilometres need not increase at the same rate as that of tonne-kilometres. In addition, new technologies are available to decrease emissions per vehicle-kilometres.

The DT project aims to identify and promote policies which are both cost-effective in mitigating the climate change impact of road freight activities and improving the sector's operational efficiency.

■ OBJECTIVES OF THE ROAD FREIGHT EXPERT WORKSHOP

The workshop will gather policy makers, researchers, industry and other stakeholders with an interest in clean and sustainable road freight. The discussions shall cover:

- Best practices in sustainable road freight transport;
- Cost-effective policy measures to decarbonise road freight;
- Operations optimisation, assets sharing and collaboration;
- Alternative fuels, vehicle technology and infrastructure;
- Impact of emerging trends on demand (distance and volume) and logistics;
- Expected uptake time frame, CO₂ mitigation potential and cost effectiveness of different decarbonising strategies

A report will summarise the discussions and gather the recommendations of the workshop. The conclusions of the workshop will also serve as inputs to the ITF modelling work on freight transport and inform the decarbonising scenarios that ITF is building.

■ DRAFT AGENDA

Day 1: Decarbonising road freight, options available

June 28, 9:30 – 17:00

9:00 – 9:30 **Welcome coffee and registration**

09:30 – 11:00 **Decarbonising road freight: pathways overview**

Chair: Jari Kauppila, ITF

- **Francisco Furtado, ITF**, Kick-off presentation and survey results (15 minutes)
 - **Pierpaolo Cazzola, IEA**, The Future of Trucks (20 minutes)
 - **Alan McKinnon, Kühne Logistics University**, Decarbonising Freight Transport: a review of the technical, operational and managerial options (20 minutes)
 - **Q&A, discussion**
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11:00 – 11:20 **Coffee break**

11:20 – 12:40 **Logistics and supply chains**

Chair: Sophie Punte, Smart Freight Centre

- **Marc Verelst, P&G/ALICE**, Open network of hyper connected logistics clusters towards Physical Internet-Clusters 2.0 (20 minutes)
 - **Michiel de Bok, TU Delft**, An empirical agent-based model for urban road freight transport (20 minutes)
 - **Nico Anten, Connekt**, Lean and Green logistics (20 minutes)
 - **Q&A, discussion** (20 minutes)
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12:40 – 14:00 **Lunch break**

14:00 – 15:20 **Alternative fuels**

Chair: Pierpaolo Cazzola, IEA

- **Tahmid Mizan, Exxon Mobil**, Biofuels, Gas, Hydrogen (20 minutes)
 - **Philippe Divine, Renault-Nissan-Mitsubishi Alliance**, Electric vans (20 minutes)
 - **David Cebon, University of Cambridge**, A technology roadmap for freight decarbonisation (20 minutes)
 - **Q&A, discussion** (20 minutes)
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15:20 – 15:40 **Coffee break**

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- 15:40 – 17:00** **Vehicle efficiency**
Chair: Jens Hügel, IRU
- **Felipe Rodríguez, ICCT**, Fuel efficiency technologies (20 minutes)
 - **Raimonds Aronietis, ITF**, High capacity vehicles (20 minutes)
 - **Mike Traver, Aramco**, Low carbon technologies (20 minutes)
 - **Q&A, discussion** (20 minutes)
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18:00 – 22:00 **Networking drink and Dinner (self-paying)**

Day 2: Policy, Infrastructure and Emerging trends

June 29, 09:30 – 12:30

- 09:30 – 10:50** **Intelligent systems and eco-driving**
Chair: Tom Voegelé, ITF
- **Volvo**(tbc), Platooning and autonomous trucks (20 minutes)
 - **Acacia Smith, IRU**, IRU Academy – Fuel efficiency training (20 minutes)
 - **Andrew Winder, ERTICO**, Potential of Intelligent Transport Systems to reduce greenhouse gas emissions in road freight transport (20 minutes)
 - **Q&A, discussion** (20 minutes)
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10:50 – 11:10 **Coffee break**

- 11:10 – 12:10** **The role of infrastructure**
Chair: Dominic Patella, The World Bank
- **Franco Caruso, Brisa**, Infrastructure for zero freight emissions (20 minutes)
 - **Patrik Akerman, Siemens**, Electric roads (20 minutes)
 - **Q&A, discussion** (20 minutes)
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12:10 – 13:10 **Lunch break**

13:20 – 14:40

Emerging trends

Chair: Alan McKinnon, Kühne Logistics University

- **Nora Nezamuddin, KAPSARC**, Emerging Trends on demand and mode choice - Belt and Road Initiative (BRI) and Indian Ocean Rim Association (IORA) (20 minutes)
- **Tobias Meyer, Friedrich-Alexander-Universität Erlangen-Nürnberg**, Disruptive Innovations for Sustainable Freight Transport (20 minutes)
- **Jan Havenga, Stellenbosch University**, Challenges and opportunities on developing economies (20 minutes)
- **Q&A, discussion** (20 minutes)

14:40 – 15:00

– **Coffee break**

15:00 – 16:00

Review of policy implications

Chair: Francisco Furtado, ITF

- **François Cuenot, UNECE**, Harmonization of Heavy Duty Vehicle fuel efficiency measurements (20 minutes)
 - **Seung-Kook WU, Korea Transport Institute**, Korea's GHG mitigation policies in logistics (20 minutes)
 - **Q&A and closing remarks** (20 minutes)
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How to get there?

The main entrance is located at:

46, Quai Alphonse Le Gallo – 92100 Boulogne-Billancourt

Metro/RER » Line 10, Pont de Saint-Cloud station (10 minutes by foot)
 » Line 9, Pont de Sèvres station (15 minutes by foot)

Buses » 169, 171, 179, 279, 291 – Pont de Sèvres bus stop
 » 52, 72, 126, 160, 175, 467 – Pont de Saint-Cloud bus stop

Tramway » T2 – Saint-Cloud station (15 minutes by foot)