

The TEMPO Project

presented by
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2nd TEMPO Conference on Sustainable Transport
Oslo, Jan 31-Feb 1 2011

The TEMPO project

TEMPO is an acronym for Transport and Environment – Measures and Policies

Aim: show how the transport sector can drastically reduce its greenhouse gas emissions in the next few decades

Decoupling: How can American, European and Asian consumers and firms be made to choose **more energy efficient and environment-friendly** vehicles and/or modes of transportation, **without sacrificing welfare?**

Main idea: climate footprint of transport is **determined**, not in the laboratory, but in two real-world arenas:

- **the market**, i.e. through billions of **consumer choices**
- **the political arena: from governing to governance**

1. Quantification of the climate impacts of **technological** opportunities and structural shifts
2. **Travel demand** modelling
3. Field experiments and **behavioural economics**.
4. Decision support tools for the greening of the **freight** transport sector.
5. Policy integration and implementation in view of **institutional** constraints and opportunities
6. Management, **synthesis** and dissemination

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Optimal Policies for Transport In Combination

8 research partners from 8
countries

Funded by EC (FP7) and
partners

Total cost k€ 2 318

Duration 2009-2011

Coordinator: TØI

<http://optic.toi.no/>



Transport and Environment – Measures and Policies

5 research partners and 12
user partners

Funded by Research Council
of Norway and user
partners

Total cost kNOK 38 720 = appr
k€ 4 500

Duration 2009-2013

Coordinator: TØI

<http://transportmiljo.no/>



OPTIC partners

Institute of Transport Economics
(TØI)

AustriaTech (ATE)

German Aerospace Center (DLR)

Department of Transport,
Technical University of
Denmark (DTU)

Institute for Technology
Assessment and Systems
Analysis (FZK)

Royal Institute of Technology
(KTH)

Oxford University, Centre for the
Environment, Transport Studies
Unit (UOXF.JQ)

Centrum dopravního výzkumu,
v.v.i. (CDV) -Transport
Research Centre

TEMPO research partners

Institute of Transport Economics
(TØI)

CICERO Centre for Climate
Research

University of California, Davis,
Institute of Transportation
Studies (ITS)

Pontifical Catholic University of
Chile (PUC), Dept of Transport
Engineering and Logistics,
seconded by University of Chile
(Uch)

Free University of Amsterdam,
Dept of Spatial Economics

Institute of Transport Economics (TØI)

Mission:

To **develop** and **disseminate** transportation knowledge with **scientific quality** and **practical application**.

- Private, non-profit foundation
- 15-20 per cent basic funding
- Independent contract research
- Some 70 researchers
- Interdisciplinary



means science

Oslo **C**entre for **I**nterdisciplinary **EN**vironmental and **S**ocial Research - a partnership between

- Center for International Climate and Environmental Research – Oslo (CICERO)
- Institute of Transport Economics (TØI)
- Norwegian Meteorological Institute (met.no)
- Norwegian Institute for Urban and Regional Research (NIBR)
- Norwegian Institute for Air Research (NILU)
- Norwegian Institute for Nature Research (NINA)
- Norwegian Institute for Water Research (NIVA)
- University of Oslo (UiO): Department of Geosciences, Meteorology and Oceanography Section

Associate member

- Norwegian Water Resources and Energy Directorate (NVE)
- ween



Have a fruitful conference!

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