

TRANSPORT & MOBILITY LEUVEN

TREMOVE Contact Group Meeting

21 June 2004

Overview of TREMOVE project The emission module

(Prof. Stef Proost)

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Major project outputs

1. Transport and emissions Baseline (2020)
 - Transport Activity
 - Vehicle stock turnover
 - Emissions & Energy consumption

Consistency with other European models (SCENES, PRIMES, RAINS)
Preference for EU information sources (MEET, COPERT, ARTEMIS)
Stakeholder consultation and agreement

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Major project outputs

2. Simulation tool for policy evaluation
 - Clean Air for Europe Programme (DG ENV)
 - ↳ subject of current stakeholder consultations
 - Greenhouse Gas Policies (DG ENV)
 - ↳ additional work on CO2 baseline modelling (2005)
 - Road Charging Policies (DG TAXUD)
 - Energy Related Policies (DG TREN)
 - Assessment of new road technologies (DG R&D)

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Project Status

- Lot 1 : Completed Mar. 2004
 - Model design and preliminary baseline
- Lot 2 : Dec. 2004
 - Stakeholder Consultation on model and baseline
 - Identification of emission reduction options
 - Policy welfare assessment module
 - Model ready by Oct. 2004
 - (revised baseline, all modules)
- Lot 3 : until Oct. 2006 : Policy Simulations

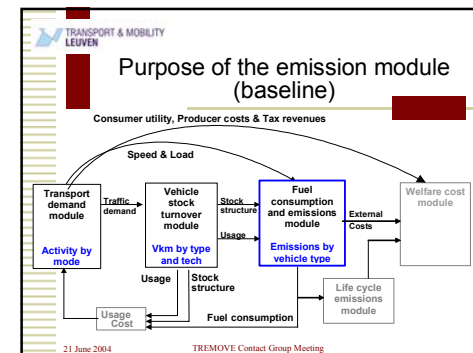
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Lot 2 : Stakeholder Consultations

- April 30, 2004 :
 - CAFE baseline consultation (consistency PRIMES & RAINS)
- May 27, 2004 :
 - Transport demand baseline
 - Vehicle stock baseline
- June 21, 2004 :
 - Emission baseline (emission factors)
- Bilateral meetings :
 - ACEA Thursday 17 June 2004
 - IIASA / NTUA
 - ...

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Emission factors in the emission module

- Emission factors (grammes per veh.km) influencing variables

Vehicle related :	Usage related :	Other :
~ Vehicle type	~ Speed	~ fuel specifications
~ Vehicle technology	~ Road / Waterway type	~ ambient temperature
	~ Trip Length	
	~ Load / Occupancy	

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Information Sources

- [ARTEMIS as source for all modes (delayed)]
- Thus focus on other EU sources :
 - Road : COPERT III
 - Rail : TRENDS (EUROSTAT - DG TREN)
 - Inl. ww.: ARTEMIS (preliminary results)
 - Air : TRENDS (EUROSTAT - DG TREN - EUROCONTROL)
 - Maritime : ENTEC

➔ Different approach per transport mode

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Agenda

- 10.00 - 10.30 Rail Transport
- 10.30 - 11.00 Coffee break
- 11.00 - 11.30 Maritime Transport
- 11.30 - 12.00 Inland Waterway Transport
- 12.00 - 12.30 Air Transport
- 12.30 - 14.00 Lunch
- 14.00 - 15.30 Road Transport
 - ↳ Air pollution
 - ↳ Fuel consumption and CO2
- 15.30 - 16.00 Coffee break
 - ↳ Feedback ACEA bilateral (thursday 17th)
- 16.30 - 17.00 Overall Discussion
- 17.00 - 17.30 Conclusions and Closure

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