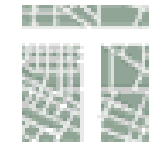
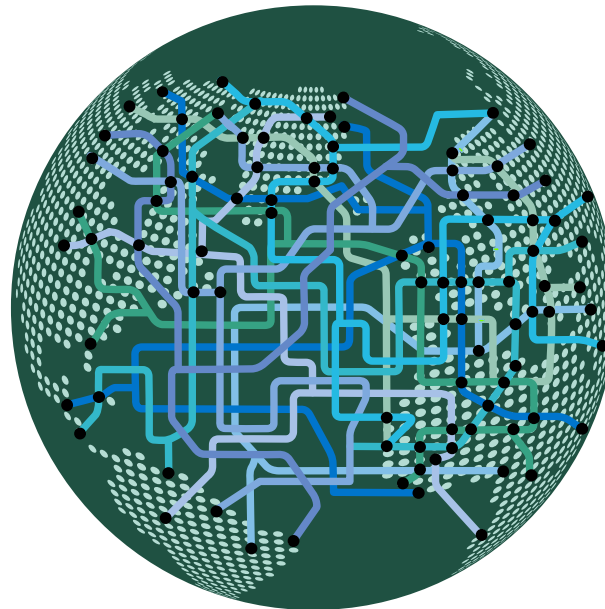


REDUCING GREENHOUSE-GAS EMISSIONS OF TRANSPORT BEYOND 2020

Linking R&D, transport policies and reduction targets



Project summary information, October 22nd 2009



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GHG-TransPoRD: objectives

Main objectives:

- To support the EU in defining a feasible **research and policy strategy for GHG reductions of transport** that fits and contributes to the overall GHG reduction targets of the EU.
- To propose **GHG reduction targets for transport** as a whole as well as for each transport mode.

Specific objectives:

- **Identification** of promising and feasible measures (i.e. technology pathways and policies).
 - **Techno-economic analysis** of details of promising measures to estimate effectiveness of GHG reductions as well as technical feasibility and economic cost and affordability.
 - **Formulation of scenarios** consisting of both selected technology pathways and transport policies that would achieve GHG reduction targets for 2020 (-20 or -30%) and 2050 (-60 to -80%).
 - Linking the promising scenarios with a **suggestion for an EU research strategy**.
 - **Communicate with stakeholders** about project findings and most recent advancements in particular of new technologies to have a platform of mutual understanding.
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GHG-TransPoRD: team

Coordinator:

- Fraunhofer Institute Systems and Innovation Research (ISI), Germany
- Dr. Wolfgang Schade

Partner:

- TRT, Trasporti e Territorio SRL, Milan, Italy
- IPTS, Institute for Prospective Technological Studies, European Commission DG-JRC, Seville, Spain
- TML, Transport & Mobility, Leuven, Belgium
- ITS, Institute for Transport Studies, University of Leeds, United Kingdom

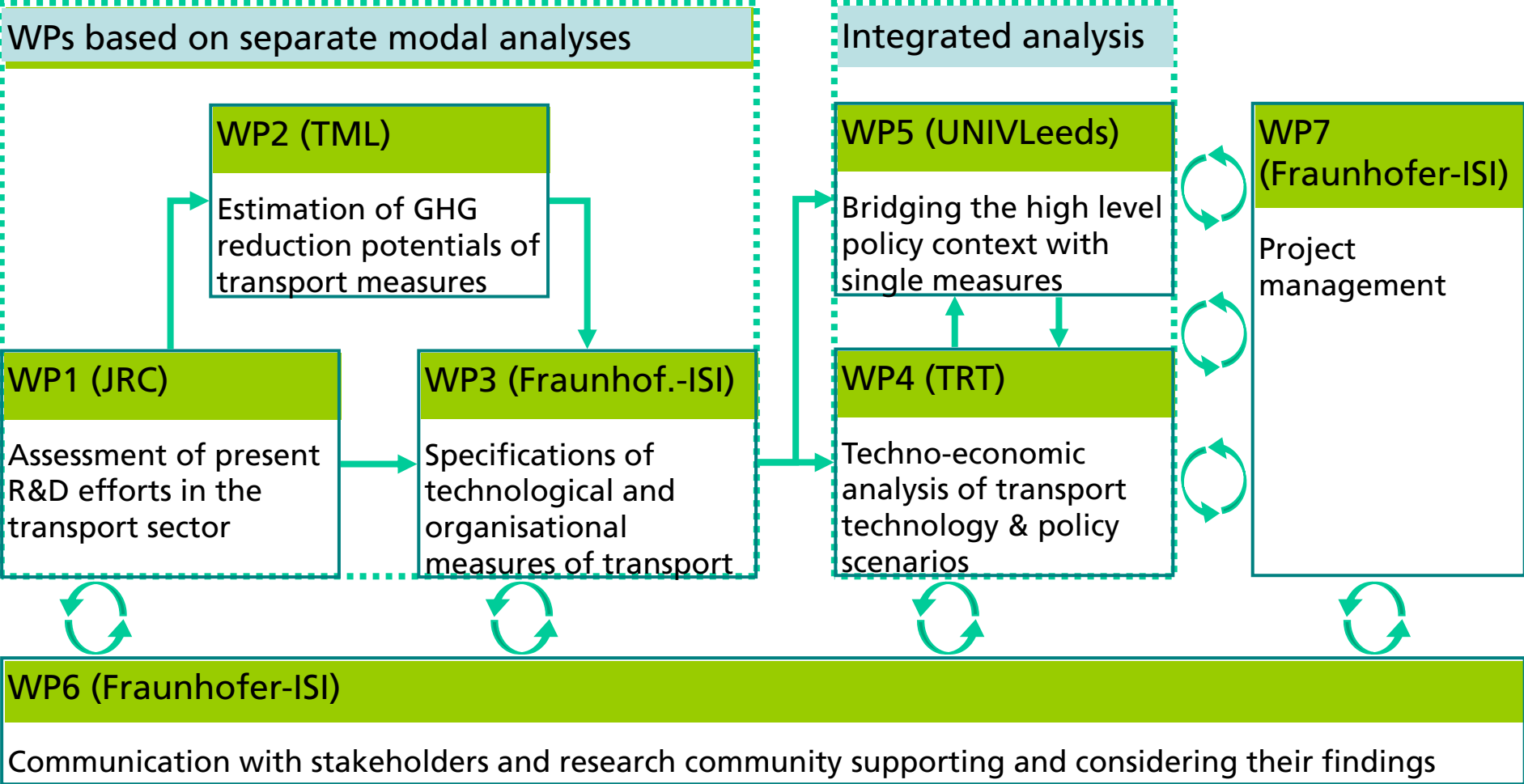
Funding:

- European Commission DG-RTD, 7th Research Framework Programme
 - 7FP project cluster together with TOSCA and REACT projects
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GHG-TransPoRD: timing and stakeholder involvement

- Start: October 1st 2009, duration 24 months
- Stakeholder Council of 10+ persons
- 4 Workshops (WS) and Final Conference
- WS1 (05/10): measures in road and rail transport
- WS2 (05/10): measures in air and maritime transport
- WS3 (10/10): techno-economic details of measures (e.g. costs and learning curves)
- WS4 (06/11): integrated scenarios of transport policies and R&D strategies
- Final Conference (09/11)

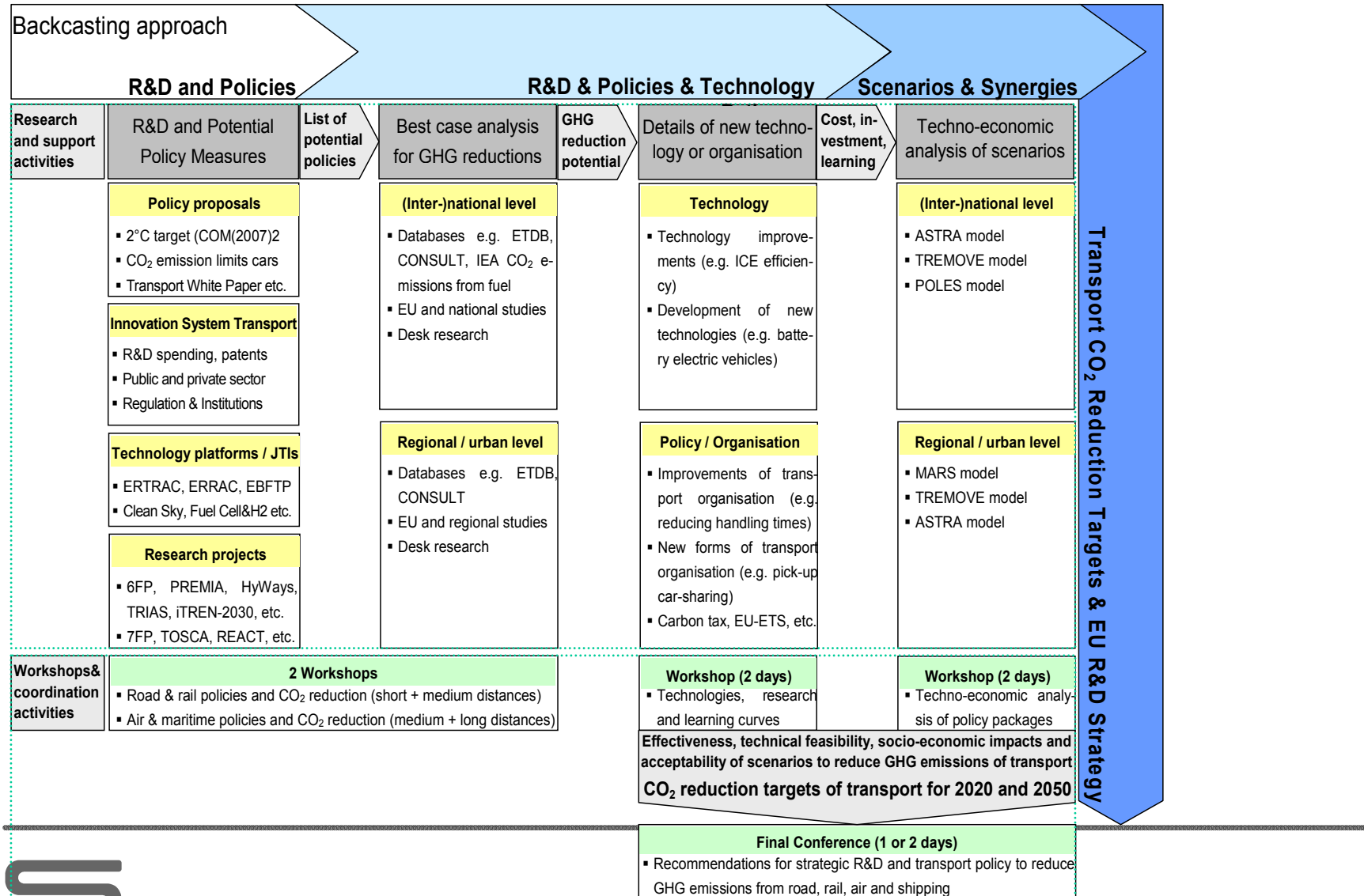
Work flow and work packages of GHG-TransPoRD



Concept of GHG-TransPoRD

- (1) Backcasting from policies to an R&D strategy and GHG reduction targets of transport considering also the current R&D strategy.
 - (2) The synchronised consideration of transport policies and technologies, which together are called measures in the context of this project, to generate an R&D strategy.
 - (3) Focus on two time horizons, i.e. 2020 and 2050, for the formulation of the R&D strategy and GHG reduction targets of transport.
 - (4) A mix of qualitative/quantitative desk research with advanced modeling approaches to assess the impacts of analysed measures.
 - (5) A communication strategy that enables to take into account the research strategies developed by the Technology Platforms and Joint Technology Initiatives related to transport as well as to communicate and exchange the findings of the GHG-TransPoRD project with the stakeholders.
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GHG-TransPoRD: concept of activities – backcasting from policies to targets



Expected result of GHG-TransPoRD

The final output of the project should be a suggestion of an integrated strategy for the EU that links R&D policy for transport with a transport policy strategy such that the European GHG reduction targets for 2020 and 2050 can be met also for transport.