
TIMES related activities in the JRC

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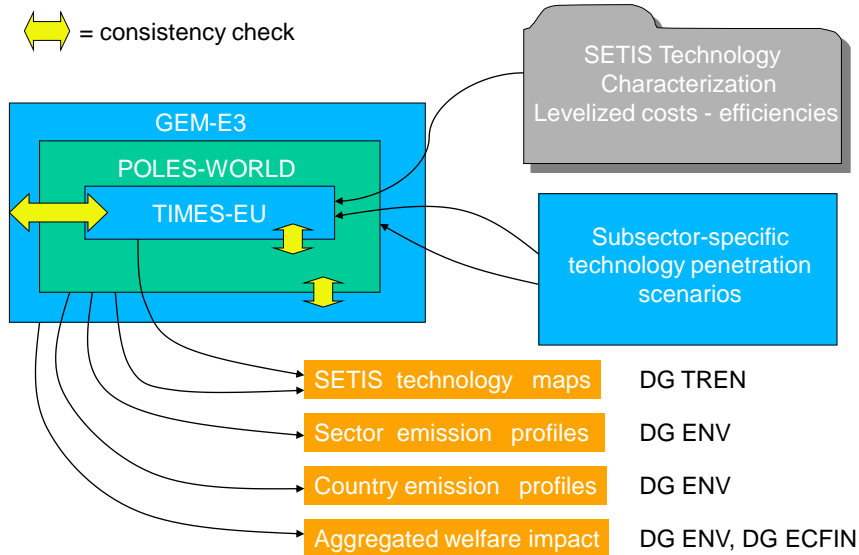
IPTS - Institute for Prospective Technological Studies

Seville - Spain



<http://ipts.jrc.ec.europa.eu/>
<http://www.jrc.ec.europa.eu/>

1. JRC work frame for TIMES modelling
2. Workplanning for 2010-2011
3. Ongoing work



I. Working on **consistency** between TIMES and other IPTS modelling tools : e.g.

Demand: POLES, GEM-E3

Prices for energy carriers (oil, coal, uranium)

Harmonise technology assumptions (energy efficiency, costs,...)

II. Further **develop some model aspects** (sectors, technologies) where TIMES complements POLES

III. **Interfacing tool** enabling data and results transfer within JRC

IV. TIMES-EU modelling and **electric cars**

Objective: Analyse possible market penetration scenarios and their economic and environmental impacts at EU level.

Environmental impacts: GHG emissions and energy consumption

Tasks : technology characterisation, charging aspects, impacts on the grid, markets, modelling and exploratory/ policy scenarios...

Cross-JRC collaboration (IPTS, IE and IES)

Models requirements:

Supply and demand sides

Medium term and longer term perspectives

Policy case sensitive (i.e. taxes, subsidies,...)

Interaction road electricity demand and power generation

Input data: first data sets in

<http://ipts.jrc.ec.europa.eu/publications/pub.cfm?id=2759>

=> TREMOVE and TIMES-EU adapted and soft linked :

TREMOVE => vehicle sales and transport demand => TIMES

TIMES => electricity price and emissions => TREMOVE