Tracking Environmentally Sustainable Transport (TEST)

Organizations making the Commitment: *International Energy Agency (IEA)*

Select Primary Sustainable Development Area: Sustainable Transport

Other Sustainable Development area*: Sustainable Energy, sustainable cities, climate change, measuring SD progress (through indicators)*

Keywords: *Tracking progress, GHG emissions scenarios, Climate Change, Air Quality, Urban Development, transport, energy security, cost savings, sustainable mobility, energy savings, Integrated Transport*

Which Major Group does your organization identify with: *International Organizations*

Location of where commitment is being implemented: *Global*

What will be achieved by the time commitment is fully delivered (max 100 words): *The commitment is aiming at tracking, monitoring and projecting GHG and local pollutant emissions, energy use, and cost of the transport sector globally to assess the progress of sustainable transport worldwide. Past trends and future possible evolutions are key to understand where the transport sector is heading and to evaluate its sustainability. As the modeling framework is developed and finalized, better and more accurate data will help gauge the transport sustainability for its environmental and economic pillars. Through this voluntary commitment, the IEA is pledging for better modeling capabilities of modal shifting, and is planning for a possible focus on urban areas.*

Briefly describe how will this commitment be achieved (max 200 words): *Greenhouse gas emissions, energy use and pollutant emissions are part of the modeling framework, and allow having a more comprehensive vision of the environmental pillar of the sustainable mobility. The economic aspect is addressed in the model by costing out the cost of the transport sector, for its vehicles, fuel and infrastructure needed for its operation for the four decades to come.*

A team of analysts at the IEA is working at making the model better and more accurate, together with other international organizations from the private and public sectors, and also with the help of NGOs and academia. Data gathering and quality control is an important asset of the IEA mobility modeling task, and is also fundamental in order to assess the sustainability of the transport sector. This will be strengthen through the next phases of the model development, and especially the IEA is looking after improving the model capabilities regarding modal shifting potential, especially in urban areas. Previous work of the IEA highlighted the fact that technological improvement and behavior changes are both needed and are complimentary in order to reach a sustainable transport sector; a better quantification is still needed and the task detailed under this voluntary commitment will significantly improve the capabilities of the model to that respect.

Date of Completion of commitment: *on-going*

Deliverables:

Deliverable	Date
Updated modeling capabilities for mass transport modes, rail and buses	2014
New modeling platform	2015

Resources devoted to delivery:

	Type	Details
1	- Financing (USD)	The IEA Mobility Model partnership has 13 active members that are supporting the modeling framework development (approx 300kUSD per year)
2	- In kind contribution	The IEA is providing in-kind support from IEA staff to help improve the model database and architecture

Contact person for information relating to commitment:

Name: Jean-Francois Gagné
Title: Head of Energy Technology Policy Division
Directorate of Sustainable Energy Policy and Technology
International Energy Agency

Email: jean-francois.gagne@iea.org
Telephone: +33.1.40.57.67.87