UNDA Project

Development and implementation of a monitoring and assessment tool for CO\textsubscript{2} emissions in inland transport to facilitate climate change mitigation

– Duration: 3 years (January 2011 – December 2013)
– Leading agency: UNECE
– Implementing entities: ECA, ECLAC, ESCAP & ESCWA

Pierpaolo CAZZOLA
UNECE Transport Division
Vehicle Regulations and Transport Innovations
Objective, expected achievements

- Support for policy decisions aimed at the mitigation of GHG emission in inland transport
- Development of an analysis tool based on a uniform methodology for the evaluation of CO₂ emissions in transport
- The tool will include elements concerning:
  - transport activity
  - vehicle fleets
  - transport infrastructure
  - energy sources used in transport
  - macroeconomic and demographic parameters
  - policy measures relevant for GHG emission mitigation
- The tool will focus on inland transport modes and it will cover a wide range of vehicle and fuel technologies
- Capacity building workshops in all UN Regional Commissions are included in the project plan
  - They aim to disseminate, explain and stimulate the use of this tool
Current developments

• Global Status Report (being finalized)
  – overview of available numerical information (statistics, technical analyses), concerning transport, energy and greenhouse gas (GHG) emissions (mainly CO₂)
  – analysis of policies aimed to the mitigation of GHG emissions in transport (based on the results of the distribution of a questionnaire to national administrations on the topic)
  – review of models dealing with the analysis of GHG emissions and GHG emission mitigation policies from the transport sector
  – summary of the findings emerging from the main scenario analyses that have been carried out on this subject

• Concept note (developed and distributed for review)
  – definition of the main characteristics of the modelling tool
  – sent out for review to selected experts (review panel)
  – first round of comments are now being received
Next months

• By April 2012
  – Final definition of the model characteristics
  – Initial model development
  – Meeting of the review panel, to discuss our choices (23 April 2012)

• International expert meeting
  – discussion on the main subjects addressed by the Global Status Report
    • Statistics, policies, models, scenarios
  – presentation of the Global Status Report
  – illustration of the ForFITS model methodology
Further steps in 2012 and 2013

- Finalization of the modeling tool (2012)
  - Finalization of the modeling tool
  - Verification and validation
  - Preparation of a user manual

- Regional calibration (2013)
  - Development of applications and databases relevant for specific global regions
  - Application to case studies

- Dissemination (2013)
  - Organization of capacity building workshops in all UN Regional Commissions

- Final Step (end 2013)
  - Project evaluation
Additional information, contacts

- More information on the project
  http://www.unece.org/trans/theme_forfits.html

- Contacts
  romain.hubert@unece.org
  pierpaolo.cazzola@unece.org
  miquel.gangonells@unece.org