Measuring, Reporting & Verification (MRV) in the Transport Sector

Product Notes / Overview:

Training Course and Materials prepared by: IGES and Clean Air Asia
MRV Tool developed by: Clean Air Asia
Videos produced by: World Bank – Tokyo Development Learning Center

Videos were recorded during a live training held on 26-27 November 2013 at the Tokyo Development Learning Center with city government officials from Bandung - Indonesia, Ho Chi Minh - Vietnam, Pasig and Makati - Philippines.

If you would like further information on this product or if you are interested in using these materials for your own training, please contact us at:

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Course Structure:

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E-Learning Goals:

Upon completion of the e-learning series on MRV in the Transport Sector, participants will have a clearer understanding of how environmentally sustainable transport (EST) projects and strategies fit into the context of international climate negotiations and financing mechanisms. Practical skills will be gained on methods used to quantify emissions from the transport sector and the use of a tool to assess the GHG emissions reduction potential of an existing or planned BRT project.

Website: http://www.iges.or.jp/en/integrated-policy/cities/mrv_elearning.html
In November 2013 the Institute for Global Environmental Strategies (IGES) organized a combined capacity building workshop and e-learning seminar entitled Measuring, Reporting and Verification (MRV) in the Transport Sector. The e-learning material aims to enhance capacities of participants to estimate GHG emissions in the transport sector. In particular, the series of short lectures introduces the audience to (1) international climate negotiations and the important role of monitoring, reporting and verifying actions in the field of transport in climate finance mechanisms; (2) the particular challenges to and opportunities for sustainable transport solutions in Asia; (3) methods used to quantify environmental impacts of transport projects and how the Transport Emissions Evaluation Model (TEEMP) tool can support users in developing projects in the transport sector; (4) available carbon offsetting tools and the importance of MRV tools; and the TEEMP tool’s functions and application in calculating GHG reduction potentials resulting from Bus Rapid Transport (BRT) projects.

This e-learning section, presented by IGES policy researcher Sudarmanto Budi Nugroho, is subdivided into two components. The first half covers the topic of offset mechanisms (including Japan’s Joint Crediting Mechanism scheme) for financing environmentally sustainable transport (EST) projects. The latter half of the presentation sheds light on the features of robust MRV-frameworks for the transport sector.

Launching the third e-learning section Alvin Mejia, program manager at Clean Air Asia (CAA), identifies key challenges cities in Asia face with regard to transport. Following a summary of prevailing concepts and methods underlying low carbon transport planning and assessment, the Transport Emissions Evaluation Model (TEEMP) tool developed by CAA is introduced. A demonstration module outlining the functionalities of the Transport Emissions Evaluation Model (TEEMP) tool for a Bus Rapid Transit (BRT) project concludes the e-learning course. The demonstration provides a step-by-step guide on how to enter basic technical parameters, make further data inputs - such as emission and intensity factors, and analyse results for an existing or planned BRT project.