Program Title
Transport, Energy use and Climate Change in the GMS

Program Description
The Transport, Energy use and Climate Change in the GMS learning program is a five-day intensive program designed to enhance understanding of energy and transport practitioners on issues and challenges which arise from climate change. It will expose participants to considering: (i) how climate change presents development challenges globally and in the GMS context; (ii) how climate change affects the transport sector in the GMS; (iii) what are the sector-specific responses which can help increase energy security and reduce future greenhouse gas emissions (climate change mitigation), and address the impacts of climate change which have already occurred (climate change adaptation); and (iv) how can climate change considerations be integrated into transport policies, programs and projects. The program will provide training on concepts, methodologies and tools, and demonstrate applications with case studies. Through group work, participants will have a hands-on experience in developing sector-specific mitigation and adaptation plans which respond to climate change challenges in the GMS context.

Program Outcomes and Outputs
The intended outcome of the learning program is improved capacity of GMS officials and practitioners to incorporate climate change in relevant policy, planning and investments.

At the end of the learning program, participants are expected to have:

- An improved understanding of the basic scientific knowledge and economics on climate change within the context of development in the GMS;
- An improved understanding of opportunities to reduce greenhouse gas from energy use in the transport sector
- An enhanced awareness of the potential impacts of climate change on transport plans and projects, and available adaptation options;
- Sharpened problem solving, analytical and strategic action skills in formulating and implementing climate-integrated transport plans and projects at both national and subregional levels.
- Developed a network of GMS energy and transport sector professionals and;
- Contributed to a vision of GMS regional cooperation.
Program Content

The program will be delivered in five days and will include the following themes and topics:

- Climate change, development and the GMS
  - Overview of science, economics and global policy on climate change
  - Energy security and climate change in the GMS
- Mitigating greenhouse gas emissions from energy use in passenger and freight transport
- Identifying adaptation options for transport plans and projects
- Mainstreaming climate change into planning and policy making
- Financing low carbon and climate resilient transport

Learning Methodology

The training course will be designed and delivered using a thematic training approach, of which, all participants will go through three progressive stages: a) “Learn to do” – training on concepts, techniques and tools; b) “Do to learn” – participants are required to apply what they have learned in their work assignment with proper coaching from assigned advisors; and c) “Share to learn” – participants will have an opportunity to present their group works/findings and share their learning experiences and lessons learned.

As required, all training topics, case studies, simulation exercises, and best practice are to be drawn from and tailored to the Mekong region context and will focus on practical knowledge, use adult learning principles, use real case studies, adopt participative approaches and be linked to the daily realities of the participants. They will also, from the start, incorporate concrete actions for follow-up activities after training.

The course will utilize experts from different field and organizations to give lectures and/or presentations and facilitate discussions on each topic. Different facilitation and presentation techniques will be incorporated across the curriculum. These include the use of a case study format and presentation methods in Visualization in Participatory Planning Programme (VIPP) like mind map, joint group sessions and presentation, exercises and quizzes, role play etc.

Target Participants

The training is designed for energy and transport sector officials in the GMS, focusing on mid-level government officials who are able to meet the following criteria:

- be middle or senior level government officials and development practitioners who are directly involved in planning and managing strategic or long term plans related to the transport sector and to energy use in transport
- preferably possess tertiary level degree on management, public policy and administration, community development and related disciplines, or, have at least 7 to 10 years of related work experience;
- have professional capacity to actively participate at an international level;
- be fairly proficient in written and spoken English; and
- able to attend the entire course duration.

Faculty and Resources Person(s)

The program will be taught by a pool of development planning and climate change experts from the Asian Development Bank (ADB) GMS EOC in Bangkok, the ADB Headquarters in
Manila, universities, as well as energy and transport-related agencies within and outside the GMS.