

Activity in FY2012-2013 and research plan in FY2014 Toshihiko Masui (National Institute for Environmental Studies)

The purposes of this workshop are (1) sharing the information about model, policies and countermeasures toward LCS in each country, (2) introducing the new results using AIM, and (3) proposing new researches in Asia.

During FY2012-2013, the AIM project is implementing the following activities;

- (1) S-6, ERTDF (Environment Research and Technology Development Fund), MOEJ for research on low carbon Asia.
- (2) 2A-1103, ERTDF, MOEJ for research on global scenario and national GHG mitigation policy in Japan.
- (3) S-8, ERTDF, MOEJ for research on climate change impact in Japan and Asia.
- (4) S-10, ERTDF, MOEJ for research on global risks due to climate change.
- (5) 2RF-1302, ERTDF, MOEJ for FS on climate change and SLCP emission reductions.
- (6) SATREPS, JICA-JST for research on low carbon development in Iskandar Malaysia
- (7) JCM, MOEJ for project supporting NAMAs and other mitigation measures in Southeast Asia
- (8) PJ2 & PJ3, Climate change research program, NIES for comprehensive research on model development, mitigation & adaptation policy assessment, implementation of research products, and so on.
- (9) PJ2, Fukushima Project Office, NIES for research on local model development & application.

The GHG mitigation policy in Japan stagnates during this year. The new target was announced at COP19, but the models were excluded from the discussions. The level of the target, 3.8% reduction in 2020 compared with 2005 level, is not enough to achieve the 2 degree target. This target is equivalent to 3.1% increase compared with 1990 level.

On the other hand, the research and project in Asia are quite active. In S-6 project, Low Carbon Asia Research Project Symposium “Challenges to Low Carbon Asia” was organized on October 17, and the quantitative results were introduced. In this year, JCM project is implemented for Indonesia, Thailand and other Southeast Asian countries to support their mitigation policies. In order to back up these activities in Asia, the training workshops were held in NIES in June and November.

About the global scale analysis, the AIM team hosted the 6th IAMC, Integrated Assessment Modeling Consortium, Annual Meeting on October 28-30. And we also contributes several international projects such as EMF30, SSPs, Ag-MIP, ADVANCE, IMPRESSIONS and so on.

Toward FY2014, we have started the discussions on the new research project. In 2RF-1302, in order to extend the Enduse model to local scale and air pollution management, the existing model is revising. For GHG mitigation policy in Japan, we decides to check the future energy service demands in addition to the technology options to save the energies. The global scale analyses including the contribution to the international projects will continue based on the global CGE model. As for the training workshop in FY2014, we are planning the CGE model course to assess the economic impacts of various GHG mitigation countermeasures. A quite new project focuses on Fukushima area. In order to recover from the damages by the East Japan Great Earthquake, the AIM tries to contribute from the viewpoints of scenario/vision development in the local area.