

### **PL-5 International Climate Regime in 2020 and Initiatives in Asia: Mitigation Actions and Measuring, Reporting and Verification (MRV) System**

15:45-17:15, 23 July 2014

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This session discussed the current status and the future challenges for international climate change and its impacts on developing countries' mitigation policies and actions with special reference to Indonesia. The presentations were made on international climate regime, mitigation actions and environmental challenges of Indonesia at the national as well as local levels, and new research on measuring, reporting and verification (MRV) system in Indonesia.

Following the presentations, panel discussion addressed the three questions, namely, 1) What is the impact of evolving international climate regime on developing countries' mitigation actions at the national and the local levels?; 2) How can national and local environmental initiatives be enhanced through international cooperation? and 3) What are the challenges and the way forward for developing countries to enhance their mitigation action in a measureable, reportable and verifiable manner?

To begin the session, the moderator, Mr. Naoya Tsukamoto, Principal Researcher/ Secretary General at IGES, introduced the objective of the session and raised several points on MRV and climate policy in Asia.

Dr. Kentaro Tamura, Area Leader, Climate and Energy Area, IGES, explain the current situation of international negotiations under the UNFCCC and topics such as Nationally Appropriate Mitigation Actions (NAMAs) and MRV. He mentioned that there were several types of NAMAs, which were submitted by many countries and that MRV systems are different depending on the specific policy purpose of NAMAs.

Ms. Vinda Damayanti Ansjar, Head, Division of Environmental Sound Technology, Standardization and Technology, Ministry of Environment, Indonesia, introduced the background and the current status of climate change policy related to the MRV in the context of environmentally sound technology (EST). She stressed that it was important to set up technology benchmarking for registration and verification under the EST.

Prof. Rizaldi Boer, Executive Director, Center for Climate Risk and Opportunity Management in Southeast Asia and Pacific, Bogor Agriculture University, Indonesia, shared the RAN/RAD GRK (climate change action plan in Indonesia) and relevant guidelines and processes for future MRV systems. He emphasised that there were spectral challenges on MRV issue such as reliable baseline, capacity building for inventory and data collection and development of relevant tools.

Prof. Tsuyoshi Fujita, Director, Center for Social and Environmental Systems Research, National Institute for Environmental Studies (NIES), introduced his research plan to disseminate an integrative modelling (AIM model) for low-carbon society in Indonesia. He stated that the monitoring system to be developed under this research activity could become part of the infrastructure to support local governments in terms of enhancing data reliability. Dr. Yasuko Kameyama, Head, Sustainable Social Systems Section, Center for Social and Environmental Systems Research, NIES, raised several points for facilitating the discussion. Her question was related to the possible future agreement under the UNFCCC and she asked speakers what kind of contexts such as co-benefit and poverty eradication etc. would be needed for any future agreement.

#### **Key messages of the session**

- MRV of mitigation actions will provide an opportunity in terms of multiple benefits such as GHG emissions reductions and sustainable development. Challenges include incentives and costs to promote the advanced technology to the industrial sector, especially Small and Medium Enterprises.
- MRV is an important subject because there are several types of NAMAs. In order to develop a new MRV system which can meet international standards, it is important to consider the customisation of its system while taking into consideration the national circumstances in developing countries.