

The 17<sup>th</sup> AIM International Workshop: Feb. 17-18, 2012. NIES

Session IV: Low Carbon Society in Asia

Panel discussion on bridging modeling and policy making toward LCS

### **Integrated assessment model as key element of low carbon development policy**

#### **-How Asia can collaborate in sharing this knowledge?**

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#### **Unavoidable low carbon development:**

- Science indicates low carbon development is unavoidable future for global stable climate, and international society agreed in taking quick and cooperative action at UNFCCC after Copenhagen.
- Asia, a big dynamo of world economy, tends to emit high GHG in its rapidly growing investment and urbanization, if it keeps development path 'business as usual'. To avoid lock-in to high energy/ carbon path is urgently required, and low carbon development policy is to be reflected in its infrastructure investment decision in this point of time.

#### **Role of IAM:**

- Broad scientific knowledge is needed and to be integrated into low carbon development policy formulation procedure such as policy design, evaluation, implementation and monitoring. Those knowledge are technology-road-mapping, design of LC social infrastructure, estimating investment and evaluating its impacts to national economy, burden sharing scheme and financing, minimizing transitional friction, mobilizing private sector, participatory approach, lifestyle and behavioral change in consumption, and etc..
- In this inter-disciplinary collaborative work between research community and policy makers and among researchers as well, IAM (Integrated Assessment Model) works as very efficient tool for integration, communication and making decisions.
- In Japan, AIM is now functioning key role in selecting future alternative path to low carbon Japan and in integrating sector-wise works by more than 100 researchers.

#### **Dialogues among policymakers and researchers**

- Dialogue between policy makers and research community is another key to utilize scientific knowledge for policy on the ground.
- Although situation among Asian countries are so diversified geographically and environmentally and in view of developing stages, those knowledge on policy procedure in general, policies & measures and practices can be shared among countries for designing effective and robust low carbon development path in Asia.

#### **Asian knowledge sharing platform**

- Japan is now proposing an idea of establishing knowledge sharing platform for Low Carbon Development Asia, tentatively called ARNLCD (Asia Research Network for Low Carbon Development) consisted of research organisations dedicating to LCD policy formation on the ground.
- Objective is to strengthen the scientific base for LCD policies by proactively exchanging the knowledge rooted in the region between policy makers and researchers. It aims a self-independent, autonomous research network, operated through voluntary initiatives by researchers in each country.
- In this area already many organizational initiatives are starting. It is time to consider from the researcher side effective way of cooperation in Asia.