



**Low Carbon Asia Research Network (LoCARNet) First Annual Meeting
Mobilizing Wisdom for a Low-carbon Asia**

17 October 2012

Novotel Bangkok - Siam Square

**Summary of the session on
“Policy Making Process and Use of Integrated
Assessment Model”**

Bundit Limmeechokchai

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THAMMASAT UNIVERISTY

Prof Ram M Shrestha, AIT

“Integrated Assessment Models and Climate Policy Development”

1. Development of academic study in IAM, and framework of AIM
2. IAM combines information from multi disciplines
3. IAM for climate change policy includes GHG mitigation technologies, cost effectiveness, co-benefits, and impact on GDP
4. Few IAMs in the early 1990s and increased to 30 recently.

Prof Ram M Shrestha, AIT

“Integrated Assessment Models and Climate Policy Development”

5. IAM must include more than one sector for analyses
6. LCS examples of Nepal, Thailand, Japan and India show useful information from IAM for policy making process such as effects from structural changes in future energy demand in LCS
7. “A model is only as good as its assumptions and input data”

Dr Mikiko Kainuma, NIES

“Role of Asia-Pacific Integrated Model (AIM) towards Asia Low Carbon Society”

1. AIM LCS Scenario study towards 2050 (50% GHG reduction)
2. Key aspects of Asian low carbon society: take actions for sustainable development , make an equitable contribution, improve environment conditions, demonstrate LCS technologies, and adopt LCS behaviors.
3. Elements of actions to realize a low carbon society: Technologies, Infrastructure, Human resources, Institution, Social capital and Lifestyle.

Dr Mikiko Kainuma, NIES

“Role of Asia-Pacific Integrated Model (AIM) towards Asia Low Carbon Society”

4. IAM needs multi-scales and interactive approach: Global, National, and Local.
5. IAM needs Top-down and Bottom-up approach.
6. IAM needs additional investment for GHG mitigation
7. 10 LCS Actions and roadmap for sectoral actions etc.
8. Extended AIM: East Asia LCS Knowledge Platform, CITC, Thailand
NAMA, Low carbon city in India, Malaysia and Thailand
9. Contribution in LoCARNet.

Dr Kejun JIANG, ERI-China

“Merge Modelling Study and Policy Making Process”

1. Transition – mitigation to reach some climate change targets 2⁰C
2. Process: Key factors, forums/workshops, data transparency, publication/public available, and keep a good modeling research team for long time
3. China keys: Economic structure optimization, Energy efficiency policies, Renewable energy/nuclear, CCS, LCS lifestyle, Land use emission reduction, Climate change target, Costs and benefits
4. Investment by industrial sector
5. Lifestyle & Modern houses, LCS transport.

Dr Bundit Lim., SIIT-TU

“Policy Making Process and Use of Integrated Assessment Model”

1. Lessons learned in Thailand in LCS Scenarios and LCS Roadmap using AIM models include Cost-effectiveness, GHG Mitigation potential, Conflict with other sectors, Co-benefits, Consensus

Dr Suphachol Suphachalasai, ADB

“Strengthening Planning Capacity for Low Carbon Growth in Developing Asia”

1. ABD supports adaptation and low carbon planning, and inform policy making, shares knowledge and build capacity, based on research focusing on economic aspects, and raises public awareness about climate change
2. Regional climate study: SE Asia, S Asia, NE Asia & Pacific

Dr Suphachol Suphachalasai, ADB

“Strengthening Planning Capacity for Low Carbon Growth in Developing Asia”

3. During 2011-2013, ADB has launched capacity building for LCS:
 - i) LCS *planning tool* that is transparent, flexible, and user-friendly,
 - ii) Update *LCS roadmap* and evaluate targets/plans,
 - iii) Provide *hands-on training* to enhance the capacity of institutions to maintain and utilize models and database

Mozaharul Alam, UNEP-Bangkok

“Comments on IAM”

1. Several comments on other aspects of IAM are mentioned
2. IAM framework must include some immediate issues such as access to electricity in Asian countries
3. Other aspects must be included such as health (CHINA)
4. The confidence of 2°C scenario
5. IAM needs co-ordination among stakeholders
6. LCS roadmap needs financing and connection to GHG CMs

Thank You