

The 17th AIM International Workshop

Ohyama Memorial Hall
National Institute for Environmental Studies
17-19 February, 2012

Day 1: February 17, 2012

Session I: Opening and Activities in FY2011

Chairperson: Dr. Toshihiko Masui (NIES, Japan)

- 9:00-9:10 Welcome address
Prof. Hiroshi Sato (NIES, Japan)
- 9:10-9:20 Address from the MOE
Mr. Yutaka Matsuzawa (MoE, Japan)
- 9:20-9:40 Overall of AIM activities in FY2011
Dr. Toshihiko Masui (NIES, Japan)
- 9:40-10:20 AIM modeling activity FY2011-FY2012
Prof. Yuzuru Matsuoka (Kyoto Univ., Japan)
- 10:20-10:40 Coffee Break

Session II: Low Carbon Society in Asia (1)

Chairperson: Dr. Junichi Fujino (NIES, Japan)

- 10:40-11:00 Research Activities for Low-Carbon Asia
Dr. Junichi Fujino (NIES, Japan)
- 11:00-11:20 Key issues for China to Support Global 2 Degree Target
Dr. Kejun Jiang, Prof. Xulian Hu and Dr. Miao Ren (ERI, China)
- 11:20-11:40 Low Carbon Society in Asia: Activities in India
Prof. P.R.Shukla (IIM, India)
- 11:40-11:55 Narrative Scenario Development for Asian LCS
Mr. Tomoki Ehara and Mr. Go Hibino (MHIR, Japan)
- 11:55-12:20 Discussion
- 12:20-12:30 Photo Session**
- 12:30-13:30 Lunch Break

Session III: Low Carbon Society in Asia (2)

Chairperson: Dr. Mikiko Kainuma (NIES, Japan)

- 13:30-13:45 Low-Carbon Society in Asia: LCS Activities in Thailand
Prof. Bundit Limmeechokchai, Ms. Panida Thepkhun (Thammasat Univ., Thailand) and
Prof. Ram Shrestha (AIT, Thailand)
- 13:45-14:00 A Low Carbon Society Scenario Study for Khon-Kaen Province, Thailand
Prof. Savitri Garivait (King Mongkut's Univ. of Technology Thonburi, Thailand)
- 14:00-14:15 Activities in Indonesia
Prof. Rizaldi Boer, Dr. Lukytawati Anggraeni, Dr. Toni Bakhtiar (Bogor Agri. Univ.,
Indonesia) and Prof. Retno Dewi (Institut Teknologi Bandung, Indonesia)
- 14:15-14:30 LCS Bhopal 2035 and Other Activities in Bhopa
Prof. Manmohan Kapshe, Dr. Kshama Puntambekar (SPAB, India) and
Prof. Aashish Deshpande (NITTTR, India)
- 14:30-14:45 Malaysian Low Carbon Societies: The way forward
Prof. Chin Siong Ho (UTM, Malaysia)
- 14:45-15:00 How to Develop National Low-Carbon Scenarios with AIM/CGE Basic Country Model
Ms. Michiko Namazu, Ms. Reina Kawase, Prof. Yuzuru Matsuoka (Kyoto Univ., Japan)
and Dr. Shinichiro Fujimori (NIES, Japan)
- 15:00-15:20 Discussion
- 15:20-15:40 Coffee Break

Session IV: Low Carbon Society in Asia (3)

Panel discussion on bridging modeling and policy making toward LCS

Chairperson: Prof. Shuzo Nishioka (NIES, Japan)

- 15:40-15:55 Kick-off speech (1) Integrated Assessment Model as Key Element of Low Carbon Development Policy -How Asia Can Collaborate in Sharing This Knowledge?
Prof. Shuzo Nishioka (NIES, Japan)
- 15:55-16:10 Kick-off speech (2) AIM Research Activities towards Low Carbon Society in Asia
Dr. Mikiko Kainuma (NIES, Japan)
- 16:10-17:40 Comments/Requests from policy makers and open discussion
Potential speakers:
- Mr. Mirza Shawkat Ali (Department of Environment, Bangladesh)
Low Carbon Development –Bangladesh Perspective
 - Mr. Hak Mao (Ministry of Environment, Cambodia)
Low Carbon Development in Cambodia
 - Mr. Irwanda Wardhana (Ministry of Finance, Indonesia)
 - Mr. Dhani Setyawan (Ministry of Finance, Indonesia)
Defining Role of Ministry of Finance in Low Carbon Strategies
 - Mr. Kyosuke Inada (JICA, Japan)
Policy-oriented Research for Low Carbon Development
 - Mr. Yutaka Matsuzawa (MoE, Japan)
LCS-RNet: International Research Network for Low Carbon Societies
 - Mr. Boyd D Jouman (IRDA, Malaysia)
 - Mr. Encik Mohamad Rosli bin Haji Abdullah (KETTA, Malaysia)
Green Technology: National Policy and Initiatives of Malaysia
 - Dr. Suphachol Suphachalasai (ADB, Philippines)
Strengthening Planning Capacity for Low Carbon Growth in Developing Asia:
Project Overview
 - Dr. Kotaro Kawamata (ADB, Philippines)
 - Dr. Kuo Po-yao (CIER, Taiwan)
Taiwan's Energy Conservation and Carbon Reduction
 - Dr. Nguyen Tung Lam (ISPONRE, Vietnam)

18:30-20:30 Reception: “Sansui-tei (Japanese Restaurant)”

Research Meeting

ADB

Day 2: February 18, 2012

Session V: Impact studies (1)

Chairperson: Dr. Hideo Harasawa (NIES, Japan)

- 9:00-9:15 Introduction to impact/adaptation studies in Japan and recent IPCC-AR5 related activities
Dr. Yasuaki Hijioka (NIES, Japan)
- 9:15-9:30 Global water scarcity assessment under RCP-SSP scenarios
Dr. Naota Hanasaki and Dr. Shinichiro Fujimori (NIES, Japan)
- 9:30-9:45 Projection of Potential Habitat for Beech (*Fagus Crenata*) Forests in Japan Considering Three Different Dynamic Downscaling Scenarios from S-5-3 project
Dr. Kiyoshi Takahashi (NIES, Japan)
- 9:45-10:00 Estimation of Damage Area Due to Tropical Cyclones Using Fragility Curves for Paddy Rice in Japan
Dr. Yuji Masutomi (CESS, Japan), Dr. Toshichika Iizumi (NIAES, Japan),
Dr. Kiyoshi Takahashi (NIES, Japan) and Dr. Masayuki Yokozawa (NIAES, Japan)
- 10:00-10:15 Local Adaptation to Climate Change in Korea
Dr. Huicheul Jung and Dr. Seongwoo Jeon (KEI, Korea)
- 10:15-10:30 The Vulnerability Assessment for Local Adaptation to Climate Change in Korea
Mr. Hogul Kim, Prof. Dongkun Lee (SNU, Korea) and Dr. Huicheul Jung (KEI, Korea)
- 10:30-10:40 Discussion
- 10:40-11:00 Coffee break

Session VI: Impact studies (2)

Chairperson: Dr. Kiyoshi Takahashi (NIES, Japan)

- 11:00-11:20 Study on Green House Gas Spatial Distribution and Its Climate Effect Influence in China
Dr. Wang Juanle and Dr. Yang Yaping (IGSNRR, China)
- 11:20-11:40 Climate Changes Impacts on Agriculture in China - By Top-down and Bottom-up
Dr. Songcai You (IEDA, China)
- 11:40-12:00 The Development of Climate Change Impact Assessment Toolkit for Urban Policy Makers
Dr. Wei Ye (Univ. of Waikato, New Zealand)
- 12:00-12:20 Climate impact studies in support of adaptation planning and practices: Perspectives from ADB Supported Activities
Dr. Xianfu Lu (ADB, Philippines)
- 12:00-12:30 Discussion
- 12:30-13:30 Lunch break

Session VII: Integrated assessment models and their applications

Chairperson: Prof. Koji Shimada (Ritsumeikan Univ. , Japan)

- 13:30-13:50 The Integrated Assessment of Korea's response to climate change
Prof. Dongkun Lee (SNU, Korea)
- 13:50-14:10 Is Bioenergy with CCS Essential to Limiting Radiative Forcing to 2.6 Wm-2?
Dr. James Edmonds (PNNL, USA)
- 14:10-14:25 Integrated Assessment Modeling Consortium (IAMC)
Dr. Mikiko Kainuma (NIES, Japan)
- 14:25-14:40 SSPs
Dr. Shinichiro Fujimori (NIES, Japan)
- 14:40-14:55 Energy Modeling Forum (EMF) and Results from AIM/Enduse[Global]
Dr. Osamu Akashi (NIES, Japan)
- 14:55-15:10 AMPERE and LIMITS
Dr. Shuichi Ashina (NIES, Japan)
- 15:10-15:25 Abatement Cost Curves for Japan, PRC, ROK and Mongolia
Mr. Kazuya Fujiwara, Dr. Yuko Motoki, Mr. Go Hibino (MHIR, Japan) and
D. Tatsuya Hanaoka (NIES, Japan)
- 15:25-15:50 Discussion
- 15:50-16:10 Coffee break

Session VIII: Element models for LCS study

Chairperson: Dr. Toshihiko Masui (NIES, Japan)

- 16:10-16:20 Element models for LCS study; Outline
Dr. Toshihiko Masui (NIES, Japan)
- 16:20-16:35 Introduction of PHM
Dr. Yuko Kanamori (NIES, Japan)
- 16:35-16:50 Macro economy and Material Stock & Flow
Ms. Reina Kawase (Kyoto Univ., Japan)
- 16:50-17:05 Renewable Energy Supply
Dr. Shuichi Ashina, Dr. Genku Kayo, and Dr. Diego Silva (NIES, Japan)
- 17:05-17:20 Detail Model Development of Transportation and Air Pollution
Prof. Gakuji Kurata (Kyoto Univ., Japan)
- 17:20-17:40 Discussion

Session IX: Closing

Chairperson: Dr. Toshihiko Masui (NIES, Japan)

- 17:40-17:50 Closing Address
Dr. Hideo Harasawa (NIES, Japan)
- 18:30-20:30 Dinner: "Kagari (Japanese Restaurant)"

Research Meeting

Korea, Malaysia and Taiwan

Day 3: February 19, 2012

Research Meeting

- Research meeting with ADB, Korea, Malaysia and Taiwan will be done on February 17 or 18.

9:00-10:00 Japan

10:00-10:30 Bangladesh

Mr. Mirza Shawkat Ali (Department of Environment, Bangladesh)

10:30-11:30 Thailand

Prof. Ram Shrestha (AIT, Thailand)

Prof. Bundit Limmeechokchai and Ms. Panida Thepkhun (Thammasat Univ., Thailand)

Prof. Savitri Garivait (King Mongkut's Univ. of Technology Thonburi, Thailand)

11:30-12:30 Indonesia

Prof. Rizaldi Boer and Dr. Lukytawati Anggraeni and Dr. Toni Bakhtiar
(Bogor Agri. Univ., Indonesia)

Dr. Retno Dewi (Institut Teknologi Bandung, Indonesia)

13:30-14:30 China

Dr. Kejun Jiang, Prof. Xulian Hu, Dr. Miao Ren and Dr. Xie Xuxuan (ERI, China)

Prof. Daiqing Zhao (CAS, China)

14:30-15:30 India

Prof. P.R.Shukla (IIM, India)

Prof. Manmohan Kapshe, Dr. Kshama Puntambekar (SPAB, India)

Prof. Aashish Deshpande (NITTTR, India)

15:30-16:30 International (IAMC and SSP)

Dr. Kejun Jiang, Prof. Xulian Hu, Dr. Miao Ren and Dr. Xie Xuxuan (ERI, China)

Prof. P.R.Shukla (IIM, India)

Dr. Jae Edmonds (PNNL, USA)