

# The 18th AIM International Workshop

Ohyama Memorial Hall  
National Institute for Environmental Studies  
14-16 December, 2012

## 13th December (Thursday)

Research Meeting with Thailand (16:00-17:00)

Research Meeting with Indonesia (17:00-18:00)

## 14th December (Friday)

### Session 1: Opening

Chairperson: Dr. Mikiko Kainuma (NIES, Japan)

9:30-9:40	Welcome address	Dr. Mikiko Kainuma (NIES, Japan)
9:40-9:50	Welcome address from MOE	Mr. Hiroshi Tsujihara (MOE, Japan)
9:50-10:10	Overall activities in FY2012	Dr. Mikiko Kainuma (NIES, Japan)

### Session 2: LSC modeling (1)

Chairperson: Dr. Junichi Fujino (NIES, Japan)

10:10-10:20	Introduction	Dr. Junichi Fujino (NIES, Japan)
10:20-10:40	China (1)	Dr. Kejun Jiang and Prof. Xulian Hu (ERI, China)
10:40-11:00	India (1) Low Carbon Society in Asia: Activities in India in 2012-13	Prof. P. R. Shukla (IIM, India)
11:00-11:20	Thailand (1) Roadmap to Low Carbon Thailand towards 2050	Prof. Bundit Limmeechokchai (Thammasat Univ., Thailand) and Prof. Ram Shrestha (AIT, Thailand)
11:20-11:40	Malaysia Low Carbon Future : Bridging Science and Policy	Prof. Chin Siong Ho (UTM, Malaysia)
11:40-12:00	Discussion	

Lunch Break

### Session 3: LCS modeling (2)

Chairperson: Mr. Tomoki Ehara (E-konzal, Japan)

13:00-13:20	Indonesia Low Carbon Emission Development Strategy (LCEDS) in Indonesia Energy Sector	Prof. Retno Dewi (Institut Teknologi Bandung, Indonesia)
13:20-13:40	India (2)	Prof. Manmohan Kapshe (SPAB, India)
13:40-14:00	Thailand (2)	Prof. Sirintornthep Towprayoon and Prof. Savitri Garivait (King Mongkut's Univ., Thailand)

14:00-14:20	China (2) Study on the Low Carbon development of Guangzhou Towards 2030 Prof. Daiqing Zhao and Dr. Peng Wang (CAS, China)
14:20-14:40	Korea Low Carbon Society Development Towards 2030 in Gyeonggi, South Korea Prof. Dong Kun Lee (SNU, Korea) and Dr. Chan Park (NIER, Korea)
14:40-14:55	Application of models toward LCS in Asia Ms. Yumiko Asayama (NIES, Japan)
14:55-15:10	Discussion
15:10-15:15	Photo

Coffee Break

#### Session 4: Landuse model

Chairperson: Dr. Shuichi Ashina (NIES, Japan)

15:30-15:50		PNNL
15:50-16:10	AFOLU	Dr. Tomoko Hasegawa (NIES, Japan)
16:10-16:30	AIM/CGE Land use, Agriculture and Bioenergy	Dr. Shinichiro Fujimori (NIES, Japan)
16:30-16:50	Discussion	

Coffee Break

#### Session 5: Progress in Training Workshop

Chairperson: Dr. Tatsuya Hanaoka (NIES, Japan)

17:10-17:20	India India's Low Carbon Scenario for transport sector at National and Local Level Ms. Shivika Mittal (IIM, India) and Dr. Kshama Puntambekar (SPAB, India)
17:20-17:30	Thailand Roadmap to Thailand's Low Carbon Society Towards 2050 Ms. Sujeetha Selvakkumaran and Mr. Kamphol Promjiraprawat (Thammasat Univ., Thailand)
17:30-17:40	Indonesia Jakarta Low Carbon Scenarios in Transport and Residential Sectors Dr. Toni Bakhtiar (Bogor Agri. Univ., Indonesia) and Ms. Ida Nurlaila (Institut Teknologi Bandung, Indonesia)
17:40-18:00	Discussion
19:00-21:00	Reception

## 15th December (Saturday)

### Session 6: Impact Study (1)

Chairperson: Dr. Hideo Harasawa (NIES, Japan)

- 9:00-9:10 Introduction to the session VI/VII and overview of recent research activities of Japanese AIM/Impact team  
Dr. Kiyoshi Takahashi (NIES, Japan)
- 9:10-9:20 Water sector analysis in the ISI-MIP project  
Dr. Yoshimitsu Masaki (NIES, Japan)
- 9:20-9:35 A global water scarcity assessment under Shared Socio-economic Pathways  
Dr. Naota Hanasaki (NIES, Japan)
- 9:35-9:50 Climate change impacts on food supply and demand based on SSPs/CMIP5  
Dr. Tomoko Hasegawa (NIES, Japan)
- 9:50-10:05 Introduction to APCC and climate change impacts on agriculture  
Dr. Yonghee Shin (APCC, Korea)
- 10:05-10:20 Local scale analysis for water resource and flood management  
Dr. Takahiro Yamamoto (Nagaoka National College of Technology, Japan)

Coffee Break

### Session 7: Impact Study (2)

Chairperson: Dr. Kiyoshi Takahashi (NIES, Japan)

- 10:40-10:55 Impact and adaptation studies in IEDA  
Dr. Songcai You (IEDA., China)
- 10:55-11:10 Land cover change and uncertainty assessment in China  
Dr. Min Feng (IGSNRR., China)
- 11:10-11:30 Climate change and local adaptation in Korea  
Dr. Huicheul Jung, Dr. Seongwoo Jeon (KEI, Korea) and Prof. Dong Kun Lee (SNU, Korea)
- 11:30-11:50 Climate change impact on extreme rainfall and the TN generation of a small New Zealand Lake catchment  
Dr. Wei Ye (Waikato University, NZ)
- 11:50-12:00 Discussion

Lunch Break

### Session 8: Future Works

Chairperson: Dr. Toshihiko Masui (NIES, Japan)

- 13:00-13:20 Potential Collaboration between NIES and IGES in the Future  
Prof. Shuzo Nishioka and Dr. Anindya Bhattacharya (IGES., Japan)
- 13:20-14:20 AIM modeling activity FY2012-FY2013  
Prof. Yuzuru Matsuoka (Kyoto Univ., Japan)
- 14:20-14:30 Discussion

Coffee Break

### Session 9: Progress in AIM models (1)

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

- 15:00-15:15 Non-CO2 Emissions Analysis: Expansion of AIM/Enduse[Global]  
Dr. Tatsuya Hanaoka (NIES, Japan)
- 15:15-15:30 Energy service supply-demand structure in residential sector  
Dr. Yuko Kanamori (NIES, Japan)
- 15:30-15:45  
Dr. Shuichi Ashina (NIES, Japan)
- 15:45-16:00 Renewables on the right spot: spatial matching in models for low carbon energy system design  
Dr. Diego Silva (NIES, Japan)
- 16:00-16:15 Discussion

Coffee Break

### Session 10: Progress in AIM models (2)

Chairperson: Dr. Toshihiko Masui (NIES, Japan)

- 16:25-16:40 Low carbon economy 2030 in China  
Dr. Hancheng Dai (NIES, Japan)
- 16:40-16:55  
Prof. Gakuji Kurata (Kyoto Univ., Japan)
- 16:55-17:10 Feasibility of 50% global GHG emission reduction  
Ms. Reina Kawase (Kyoto Univ., Japan)
- 17:10-17:25 Multi-Regional Enduse model in Japan  
Mr. Ken Oshiro (MHIR, Japan)
- 17:25-17:40 Discussion

### Session XI: Closing

Chairperson: Dr. Toshihiko Masui (NIES, Japan)

- 18:00-18:10 Closing Remarks  
Dr. Hideo Harasawa (NIES, Japan)
- 19:00-21:00 Dinner

### 16th December (Sunday)

Research Meeting with

China (9:00-10:00)

India (10:00-11:00)

Malaysia & Cambodia(11:00-12:00)

USA (on Land use modeling) (14:00-16:00)