

The 19th AIM International Workshop

December 13-14, 2013
Ohyama Memorial Hall, NIES
Tsukuba, Japan

* Names with underline are candidates of the AIM Young Researcher Presentation Award

DAY 1, December 13, 2013 (Friday)

- 8:30** **Bus will leave Hotel Alpha Tsuchiura.**
- 9:00-9:30** **Registration**
- 9:30-10:40** **Session 1: Opening Session**
Chairperson: Dr. Toshihiko Masui (NIES, Japan)
- 9:30-9:35 Welcome Address
 Dr. Hideo Harasawa (NIES, Japan)
- 9:35-9:40 Welcome Address
 Ms. Yuko Hoshino (MoEJ, Japan)
- 9:40-10:10 Activity in FY2012-2013 and research plan in FY2014
 Dr. Toshihiko Masui (NIES, Japan)
- 10:10-10:40 Key note speech: The future of integrated assessment models of human-earth systems dynamics
 Dr. Jae Edmonds (PNNL, USA)
- 10:40-12:00** **Session 2: Asian LCS Session (1)**
Chairperson: Dr. Junichi Fujino (NIES, Japan)
- 10:40-11:00 Summary of LCS and SATREPS
 Dr. Junichi Fujino (NIES, Japan)
- 11:00-11:20 Presentation from China
 Prof. Xiulian Hu and Dr. Kejun Jiang (ERI, China)
- 11:20-11:40 Low carbon society research activities in India in 2013-2014
 Prof. P. R. Shukla (IIM, India)
- 11:40-12:00 Discussion
- 12:00-12:10** **Photo Session**
- 12:10-13:00** **Lunch Break**

13:00-14:40	Session 3: Asian LCS Session (2)	Chairperson: Dr. Junichi Fujino (NIES, Japan)
13:00-13:20	Low carbon society blueprint to implementation - The case of Iskandar Malaysia Prof. Chin Siong Ho (UTM, Malaysia)	
13:20-13:35	Developing low carbon society 2035 Bhopal – Initiatives and actions Prof. Aashish Deshpande (NITTIR, India) and Prof. Manmohan Kapshe (MANIT, India)	
13:35-13:50	Khon Kaen Province: On the way to low carbon society Prof. Sirintornthep Towprayoon and Prof. Savitri Garivait (JGSEE, Thailand)	
13:50-14:10	Progress and way forward of LCSRNet/LoCARNet Dr. Shuzo Nishioka and Ms. Tomoko Ishikawa (IGES, Japan)	
14:10-14:40	Discussion	
14:40-15:00	Coffee Break	
15:00-16:40	Session 4: JCM Session	Chairperson: Mr. Go Hibino (MHIR, Japan)
15:00-15:10	Introduction of JCM (Joint Crediting Mechanism) Mr. Go Hibino (MHIR, Japan)	
15:10-15:30	Thailand LCS scenarios towards 2050: The LCS roadmap and peak CO ₂ Prof. Bundit Limmeechokchai (SIIT, Thailand)	
15:30-15:50	Presentation from Indonesia Prof. Rizaldi Boer (BAU, Indonesia), Prof. Retno Gumilang Dewi and Prof. Ucok WR Siagian (ITB, Indonesia)	
15:50-16:05	Developing low carbon strategies for Nepal: Preliminary results from AIM/Enduse model analysis Prof. Ram Shrestha (AITM, Nepal)	
16:05-16:20	Current status of LCS and AIM studies in Vietnam Dr. Nguyen Lanh (ISPONRE, Vietnam)	
16:20-16:40	Discussion	
16:40-17:00	Coffee Break	

- 17:00-18:00** **Session 5: Modeling (1)** Chairperson: Dr. Yasuaki Hijioka (NIES, Japan)
- 17:00-17:15 Overview and key results of AgMIP activities
 Dr. Tomoko Hasegawa and Dr. Shinichiro Fujimori (NIES, Japan)
- 17:15-17:30 AIM/CGE modeling activity 2013 – Development of a CGE model coupled with energy
 end-use technology -
 Dr. Shinichiro Fujimori (NIES, Japan)
- 17:30-17:45 A social experiment for controlling electricity demand by visualization - A case of Nushima
 Island
 Prof. Koji Shimada (Ritsumeikan Univ., Japan) and
 Mr. Yuki Ochi (E-konzal, Japan)
- 17:45-18:00 Discussion
- 18:30-20:30** **Reception at Chimney**

DAY 2, December 14, 2013 (Saturday)

8:30 **Bus will leave Hotel Alpha Tsuchiura.**

9:00-11:00 **Session 6: Impact Session**

Chairperson: Dr. Kiyoshi Takahashi (NIES, Japan)

9:00-9:20 Overview of recent impact studies by NIES AIM/Impact team and introduction to ICA-RUS project

Dr. Kiyoshi Takahashi (NIES, Japan)

9:20-9:40 Recent research on climate change impacts assessment and adaptation policies in Japan

Dr. Yasuaki Hijioka (NIES, Japan)

9:40-10:00 Economic modeling of climate change impacts and adaptation: a review of global Integrated Assessment Models

Dr. Xuanming Su (NIES, Japan)

10:00-10:20 The state of local government adaptation in Korea

Dr. Huicheul Jung and Dr. Seongwoo Jeon (KEI, Korea)

10:20-10:40 Climate Change Impact Studies in APCC

Dr. Yonghee Shin (APCC, Korea)

10:40-11:00 Discussion

11:00-11:20 **Coffee break**

11:20-12:20 **Session 7: Modeling session (2)**

Chairperson: Mr. Tomoki Ehara (Econzal, Japan)

11:20-11:40 Bio-electricity and land use in the Future Agricultural Resources Model (FARM)

Dr. Ron Sands (USDA, USA)

11:40-12:10 Summary of LCS study in Asia

Prof. Yuzuru Matsuoka (Kyoto Univ., Japan)

12:10-12:20 Discussion

12:20-13:20 **Lunch break**

13:20-14:50 **Session 8: Poster session**

China China's low carbon development scenarios

Dr. Ren Miao (ERI, China) (poster No.1)

China Assessment of Guangdong carbon Emission trading based on CGE model

Dr. Peng Wang (CAS, China) (poster No.2)

India Sustainable low carbon transport: Future policies and scenarios for India

Mr. Poojan Chokshi (IIM, India) (poster No.3)

India Low carbon society (LCS) scenario in transport and residential sector- A case of Bhopal

Dr. Kshama Puntambekar (SPA, India) (poster No.4)

- Nepal Analysis of low carbon strategies in transport sector of Nepal
Mr. Bijay Bahadur Pradhan (AITM, Nepal) (poster No.J-1)
- Thailand Low carbon society scenarios in land transport sector of Thailand -A modeling perspective and Transportation sector of Sri Lanka -A preliminary analysis
Ms. Sujeetha Selvakkumaran (SIIT, Thailand) (poster No.J-2)
- Indonesia Reduction of GHG emission from peatland and its implication on regional economy of Riau Province
Dr. Lukytawati Anggraeni (BAU, Indonesia) (poster No.J-3)
- Indonesia Land-use projection for meeting rice demand in Indonesia and its implication on GHG emission
Mr. Gito Sugih Immanuel and Dr. Toni Bakhtiar (BAU, Indonesia) (poster No.J-5)
- Indonesia Low carbon development scenario –Indonesia energy sector -2020 & 2050
Mr. Iwan Hendrawan (ITB, Indonesia) (poster No.J-6)
- Korea Improvements on local government's greenhouse gas emission prediction methodology
Mr. Jin Han Park (SNU, Korea) (poster No.5)
- Cambodia A designing of low carbon development plan in Cambodia toward 2050
Mr. Mao Hak (Kyoto Univ., Japan and Ministry of Environment, Cambodia)
(poster No.6)
- Japan Development and assessment tools for LCS policy systems
Dr. Kei Gomi (Kyoto Univ., Japan) (poster No.7)
- Japan Institutional Interplay in REDD+: Cases of Cambodia and Laos
Dr. Kanako Morita (Keio Univ., Japan) (poster No.8)
- Japan Assessment of low-carbon technologies for the Chinese urban residential sector
Dr. Rui Xing (NIES, Japan) (poster No.9)
- Japan Papers published in 2013
Dr. Naota Hanasaki (NIES, Japan) (poster No.10)
- Japan What factors are important for energy service demand in the Korean residential sector?
Dr. Chan Park (NIES, Japan) (poster No.11)
- Japan China's provincial energy consumption, emissions and mitigation costs towards 2030
Dr. Hancheng Dai (NIES, Japan) (poster No.12)
- Japan Global-scale analysis on future changes in flow regimes using Gini and Lorenz asymmetry coefficients
Dr. Yoshimitsu Masaki (NIES, Japan) (poster No.14)
- Japan Global potential of solar and wind energy considering proximity to urban areas based on GIS tools
Dr. Diego Silva Herran (NIES, Japan) (poster No.15)
- Japan Global Assessment of Climate Change Impact on Food Systems
Dr. Tomoko Hasegawa (NIES, Japan) (poster No.16)
- Japan Opportunities and the barriers in implementing the proposed Thailand NAMA in building sector
Ms. Yumiko Asayama (NIES, Japan) (poster No.17)
- Japan Development of low carbon educational programs towards low carbon society for future generation in Asia
Ms. Maiko Suda (NIES, Japan) (poster No.18)
- Japan Scenario for over 70% reduction of community-scale CO₂ emissions through 100 years
Ms. Miho Kamei (NIES, Japan) (poster No.19)

- Japan Development of an impact function of global crop productivity for climate change policy support models
Ms. Akemi Tanaka (NIES, Japan) (poster No.20)
- Japan Assessment of large scale penetration of variable renewables in Japan considering suppression of power fluctuation
Mr. Hiroto Shiraki (NIES, Japan) (poster No.21)

14:50-15:10 Coffee Break

15:10-17:00 Session 9: Modeling session (3)

Chairperson: Dr. Yasuaki Hijioka (NIES, Japan)

- 15:10-15:25 Regional model: Feasibility of 80% emission reduction in Japan
Mr. Ken Oshiro and Mr. Go Hibino (MHIR, Japan)
- 15:25-15:40 Air Pollution Model: Co-benefits on regional and local air quality
Prof. Gakuji Kurata (Kyoto Univ., Japan)
- 15:40-15:55 Application of material stock and flow model_demand/country to Japan
Ms. Reina Kawase (Kyoto Univ., Japan)
- 15:55-16:10 Co-benefits of reducing non-CO2 emissions in Asia by achieving 2 degree target pathways
Dr. Tatsuya Hanaoka (NIES, Japan)
- 16:10-16:25 Household waste generation in Asian countries
Dr. Yuko Kanamori (NIES, Japan)
- 16:25-16:40 Backcasting Model: Current status and future activities
Dr. Shuichi Ashina (NIES, Japan)
- 16:40-17:00 Discussion

17:00-17:20 Coffee Break

17:20-18:00 Session 10: Closing session

Chairperson: Dr. Toshihiko Masui (NIES, Japan)

- 17:20-17:30 Award Ceremony
- 17:30-17:50 Closing Speech: AIM modeling and its contribution to climate policies
Dr. Mikiko Kainuma (NIES, Japan)
- 17:50-18:00 Closing Address
Dr. Hideo Harasawa (NIES, Japan)

19:00-21:00 Dinner