

The 23rd AIM International Workshop

National Institute for Environmental Studies

November 27-28, 2017

DAY 1 (November 27, Monday)

8:45 Bus will leave Hotel Ohkura

9:00 - 9:30 Registration

9:30 - 9:55 Session 1: Opening

Chairperson: Dr. Toshihiko Masui (NIES, Japan)

9:30 - 9:40 Opening remarks

9:40 - 9:55 Activities in 2016-2017
Dr. Toshihiko Masui (NIES, Japan)

9:55 - 10:35 Session 2: Global issue

Chairperson: Dr. Toshihiko Masui (NIES, Japan)

9:55 - 10:10 IPCC AR6 cycle update
Prof. P. R. Shukla (IPCC WG3)

10:10 - 10:25 AIM/CGE global and national activity updates
Dr. Shinichiro Fujimori (NIES, Japan)

10:25 - 10:35 Discussion

10:35 - 11:00 Coffee Break

11:00 - 12:20 Session 3: Mitigation in Asia (1): Urban

Chairperson: Dr. Junichi Fujino (NIES, Japan)

11:00 - 11:15 Introduction: Asia low carbon society research project
Mr. Kazuya Fujiwara (MHIR, Japan) and Dr. Junichi Fujino (NIES, Japan)

11:15 - 11:30 Low carbon development actions by Malaysian cities using Science to Action approach (S2A)
Prof. Ho Chin Siong (UTM, Malaysia)

11:30 - 11:45 Low carbon initiatives in India: Actions at local level
Prof. Manmohan Kapshe (MANIT, India)

11:45 - 12:00 Low carbon society development for Can Tho city
Ms. Duong Nguyen (ISPONRE, Vietnam)

12:00 - 12:20 Discussion

12:20 - 12:30 Photo Session

12:30 - 13:30 Lunch Break

13:30 - 15:10 Session 4: Mitigation in Asia (2)

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

- 13:30 - 13:45 1.5°C Target: how to understand it? China Studies in 2017
Prof. Xiulian Hu and Prof. Kejun Jiang (ERI, China)
- 13:45 - 14:00 Modeling of GHG Emission from Energy and AFOLU sector under the Indonesian NDC
Prof. Rizaldi Boer (IPB, Indonesia) and Prof. Retno Dewi (ITB, Indonesia)
- 14:00 - 14:15 Shaping of low carbon pathways in India
Prof. P. R. Shukla (IPCC WG3)
- 14:15 - 14:30 Thailand's NDC and AIM
Prof. Bundit Limmeechokchai (SIIT-TU, Thailand)
- 14:30 - 14:45 Low Carbon Development Scenarios for Nepal to Attain a 2 °C Target
Prof. Ram Shrestha (AITM, Nepal)
- 14:45 - 15:00 GHGs, SLCPs air pollutants mitigation scenarios in Asia and World – Cobenefits and tradeoffs of low carbon measures
Dr. Tatsuya Hanaoka (NIES, Japan)
- 15:00 - 15:30 Discussion

15:30 - 15:45 Coffee Break

15:45 - 16:45 Session 5: Mitigation in developed countries

Chairperson: Mikiko Kainuma (IGES and NIES, Japan)

- 15:45 - 16:00 The Implications of deep mitigation pathways
Dr. Jae Edmonds (PNNL, USA)
- 16:00 - 16:15 Meta-analysis and comparison of Japanese and German mid-century deep decarbonization scenarios
Mr. Sascha Samadi (WI, Germany)
- 16:15 - 16:30 Methodological proposals for hybrid modelling: consequences for climate policy analysis in an open economy (France)
Dr. Gaëlle Le Treut's (CIRED, France)
- 16:30 - 16:45 Discussion

16:45 - 17:00 Coffee Break

17:00 - 18:00 Session 6: Poster session

- (1) The impacts of US' withdrawal from Paris Agreement on carbon emission space and mitigation cost of other regions and China's response
Prof. Hancheng Dai (Peking Univ., China)
- (2) Peaking carbon emissions in China's power industry from a regional perspective
Prof. Biying Yu (Beijing Institute of Technology, China)

- (3) Assessment of the health impact of air pollution in Guangdong
Mr. Songyan Ren and Prof. Daiqing Zhao (CAS, China)
- (4) Development of assessment tools to support climate change mitigation and adaptation actions of local governments
Mr. Yuki Ochi and Mr. Tomoki Ehara (E-konzal, Japan)
- (5) Challenge of modeling technical changes - rapid cost drops and digitalization -
Prof. Hiroto Shiraki (Univ. of Shiga Pref., Japan)
- (6) State space representation of the Cobb-Douglas production function: Time variation of TFPs in seven prefectures of the Kanto region in Japan
Dr. Keita Honjo (CESS, Japan)
- (7) Finance for REDD+
Dr. Kanako Morita (FFPRI, Japan)
- (8) Preliminary tests for assessing the climate risks to the main crops in Hokkaido, Japan
Dr. Akemi Tanaka (NARO, Japan)
- (9) Climate change impacts on apple production --sunburn and frost damage--
Dr. Yoshimitsu Masaki (Hirosaki Univ., Japan)
- (10) Can Tho towards a low carbon city
Dr. Nguyen Thai Hoa (Ritsumeikan Univ., Japan)
- (11) Achieving China's Intended Nationally Determined Contribution: Implications of the building sector
Dr. Rui Xing (NIES, Japan)
- (12) How do climate uncertainties influence 2 °C and 1.5 °C pathways?
Dr. Xuanming Su (NIES, Japan)
- (13) Measuring co-impacts of climate policies on SDGs
Dr. Jingyu Liu (NIES, Japan)
- (14) Economic analyses of climate impacts on labor productivity and adaptation against the impact
Dr. Jun'ya Takakura (NIES, Japan)
- (15) The contribution of transport policies to the mitigation potential and cost of 2 °C and 1.5 °C goals
Dr. Runsen Zhang (NIES, Japan)
- (16) The health and economic benefits of developing renewable energy under 2-degree target in China
Dr. Yang Xie (NIES, Japan)
- (17) Technology options for mitigating energy emissions from Indian residential and transport sectors
Dr. Satish Kumar Yawale (NIES, Japan)
- (18) Grasp of the vulnerability of thermal stress to global warming
Dr. Hiroshi Sao (NIES, Japan)
- (19) Water constraints on global hydropower and thermoelectric supply capability under climate change
Dr. Qian Zhou (NIES, Japan)
- (20) Assessing China's waste management activities using computable general equilibrium models
Mr. Gen Li (Tokyotech, Japan)
- (21) Where the land goes: Factors determining the land use change in Indonesia
Ms. Marissa Malahayati (Tokyotech, Japan)
- (22) Introduction to adaptation policy in Japan - A-PLAT and AP-PLAT
Ms. Yoshimi Fukumura (NIES, Japan)

18:00 - 20:00

Reception at NIES

20:00

Bus will leave NIES

DAY 2 (November 28, Tuesday)

8:30 Bus will leave Hotel Ohkura

9:00 - 10:40 Session 7: Mitigation in Asia (3)

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

9:00 - 9:15 Urban spatial scenarios for feasibility assessment of local energy and car-sharing systems
Dr. Kei Gomi (NIES, Japan)

9:15 - 9:30 Development and application of analytical models for designing local LCS
Dr. Shuichi Ashina (NIES, Japan)

9:30 - 9:45 Mid-century low emission scenarios in Japan
Dr. Ken Oshiro (MHIR, Japan)

9:45 - 10:00 Assessment of GHGs and SLCPs emissions by combination of NDC and SSP scenarios in Korea
Prof. Dong Kun Lee (SNU, Korea), Prof. Tae Yong Jung (Yonsei Univ., Korea) and Prof. Chan Park (Univ. of Seoul, Korea)

10:00 - 10:15 The power generation mix and 3E consequence: The implications for Taiwan
Dr. Yi Hua Wu (ITRI, Taiwan)

10:15 - 10:40 Discussion

10:40 - 11:00 Coffee Break

11:00 - 12:20 Session 8: Impact (1)

Chairperson: Dr. Kiyoshi Takahashi (NIES, Japan)

11:00 - 11:15 Overview of the session
Dr. Kiyoshi Takahashi (NIES, Japan)

11:15 - 11:30 On the sustainability and effects of irrigation for massive production of bioenergy crops
Dr. Naota Hanasaki (NIES, Japan)

11:30 - 11:45 Introduction to outputs from S-14-5
Dr. Qian Zhou (NIES, Japan)

11:45 - 12:00 Economic analyses of climate impacts on labor productivity and adaptation against the impact
Dr. Jun'ya Takakura (NIES, Japan)

12:00 - 12:20 Discussion

12:20 - 13:30 Lunch Break

13:30 - 15:00

Session 9: Impact (2)

Chairperson: Dr. Kiyoshi Takahashi (NIES, Japan)

13:30 - 13:40

Introduction to adaptation policy in Japan - A-PLAT and AP-PLAT -
Dr. Yasuaki Hijioka (NIES, Japan)

13:40 - 13:55

Impact and adaptation assessment on rice production in Indonesia
Prof. Yuji Masutomi (Ibaraki Univ., Japan)

13:55 - 14:10

Potential effects of expanding irrigation on crop production under climate change
Dr. Masashi Okada (NIES, Japan)

14:10 - 14:25

Modeling the integrated impact of climate change on the spatial planning for the ecosystem conservation
Mr. Yongwon Mo and Prof. Dong-Kun Lee (SNU, Korea)

14:25 - 14:40

Introduction to the recent vulnerability assessments in Korea: local governments and public organizations
Dr. Huicheul Jung (KEI, Korea)

14:40 - 15:00

Discussion

15:00 - 15:30

Coffee Break

15:30 - 17:00

Session 10 Discussion on future AIM

Chairperson: Dr. Toshihiko Masui (NIES, Japan)

Research collaboration in short-term (research budget) and long-term (topics)

Research toward IPCC AR6

Policy support based on the Paris Agreement (NDC, long-term low GHG strategy, adaptation strategies, etc.)

17:00 - 17:10

Session 11 Closing

Chairperson: Dr. Toshihiko Masui (NIES, Japan)

Dr. Mikiko Kainuma (IGES and NIES, Japan)

17:30

Bus will leave NIES

18:00 - 20:00

Dinner at Restaurant “Sen-nen no utage”

DAY 3 (November 29, Wednesday)

8:30 Bus will leave Hotel Ohkura

Research meeting

9:00 - 10:00 Thailand (JICA project)

10:00 - 11:00 China, India and Thailand (S-12)

9:00 - 11:00 Indonesia (with Prof. Fujita)