

The 12th AIM International Workshop

19-21, February 2007

At Conference Room in Climate Change Research Hall
National Institute for Environmental Studies, 305-8506, Tsukuba, Japan

February 19 (Monday)

9:00-9:20 Session I Opening

(Chairperson Dr. M. Kainuma)

9:00-9:10 Welcome Address

Dr. S. Nishioka (NIES, Japan)

9:10-9:20 Recent Development of AIM Models and Activities

Dr. M. Kainuma (NIES, Japan)

9:20-10:35 Session II Impact Modelling (1)

(Chairperson Dr. H. Harasawa)

9:20-9:40 Introduction to the Sessions II/III

Dr. H. Harasawa (NIES, Japan)

9:40-10:00 Introduction to Impact Assessments in NIES

Dr. K. Takahashi (NIES, Japan)

10:00-10:20 The Influence of China's Climatic Changes on Water Resources during a
nearly 50 Years Period

Prof. Z. Li and Dr. S. You (IGSNRR, China)

10:20-10:35 Discussions

10:35-10:50 Coffee Break

10:50-12:30 Session III Impact Modelling (2)

(Chairperson Dr. H. Harasawa)

10:50-11:10 Assessing the Regional Effects of Climate and Land Use Change on the
Korean Watersheds

Mr. H. Jung (Kyoto Univ., Japan)

11:10-11:30 Assessing Impact of Land Use and Climate Changes on River Flow and
Electricity Generation: Case Study at Citarum Watershed of Bandung
District

Dr. R. Boer (Bogor Agricultural Univ., Indonesia)

11:30-11:50 Climate Change Impacts and Adaptation Issues for Infrastructure Assets

Dr. M. Kapshe (MANIT, India)

11:50-12:10 Modeling the Monsoon Variability and its Implications for Food
productivity in South Asia

Prof. M. Lal (Halcrow Consulting India Ltd., Delhi, India)

12:10-12:30 Discussions

12:30-13:30 Lunch Break

13:30-15:10 Session IV Emission Inventory and Modelling

(Chairperson Dr. M. Kainuma)

13:30-13:50 Energy Future and Policies: AIM-China Activities

- Prof. X. Hu, Dr. K. Jiang (ERI, China) and Mr. B. Li (BECEPC, China)
- 13:50-14:10 Emissions Inventory and Modeling
Prof. P. Shukla (IIM, India)
- 14:10-14:30 Some Results of Emission Modeling Studies on Thailand and Indonesia
Prof. R. Shrestha (AIT, Thailand)
- 14:30-14:50 Comparison of CO2 Mitigation Costs -An Application of AIM/Enduse Model, Korea-
Dr. T. Jung (World Bank, USA) and Prof. D. Lee (Seoul Nat. Univ., Korea)
- 14:50-15:10 Discussions
- 15:10-15:25 Coffee Break**
- 15:25-16:40 Session V Environmental Modelling (1)**
(Chairperson Dr. T. Jung)
- 15:25-15:45 Development of AIM/Enduse[Global] Model -GHG Emissions Reductions and Costs in Asia Regions
Dr. T. Hanaoka (NIES, Japan)
- 15:45-16:05 Modelling Land Competition
Dr. R. Sands (PNNL, USA)
- 16:05-16:25 The Role of Land Use in Determining Greenhouse Gases Mitigation Costs
Dr. H. Lee (NIES, Japan)
- 16:25-16:40 Discussions
- 16:40-16:50 Coffee Break**
- 16:50-18:00 Session VI Environmental Modelling (2)**
(Chairperson Dr. K. Jiang)
- 16:50-17:05 Development of Energy Supply Model
Dr. S. Ashina (NIES, Japan)
- 17:05-17:20 Estimation of Global Iron and Steel Cycle
Dr. R. Kawase (Kyoto Univ., Japan)
- 17:20-17:35 Modeling of Environmental Load Generation by Household with Household Production and Lifestyle Model
Ms. Y. Kanamori (Kyoto Univ., Japan)
- 17:35-17:50 Environmental Policy and its Impact on Industries in Japan
Dr. A. Okagawa (NIES, Japan)
- 17:50-18:00 Discussions
- 18:30** Departure of bus to Okura Frontier Hotel Tsukuba
- 19:00-21:00 Reception**

February 20 (Tuesday)

9:00-10:50 Session VII Environmental Modelling (3)

(Chairperson Dr. K. Takahashi)

- 9:00-9:20 AIM/Air: Approach to Local Air Quality Modeling ~ Emission from Outside ~
Prof. T. Fujiwara (Kyoto Univ., Japan)
- 9:20-9:40 An Integrated Environmental and Economic Modeling in Korea: Based on AIM/CGE Model
Dr. S. Kang and Mr. J. Kim (KEI, Korea)
- 9:40-10:00 AIM/Enduse Extension: Analysis with Fixed Device Shares
Dr. R. Pandey (IIM, India)
- 10:00-10:15 Global Water Resources Modeling and Assessment
Dr. N. Hanasaki (NIES, Japan)
- 10:15-10:30 Development and Application of Global Drainage Basin Database (GDBD)
Mr. Y. Masutomi (NIES, Japan)
- 10:30-10:45 Studies on Digital Watersheds Extraction in China
Dr. Songcai You

Discussions

10:50-11:00 Coffee Break

11:00-12:40 Session VIII APEIS

(Chairperson Dr. T. Masui)

- 11:00-11:10 Activity of APEIS
Dr. T. Masui (NIES, Japan)
- 11:10-11:30 Asia Pacific Scenario Quantification by AIM
Dr. Y. Hijioka (NIES, Japan)
- 11:30-11:50 Application of AIM/CGE Model for China: Exercises in 2006
Dr. Y. Xu (NIES, Japan), Dr. K. Jiang (ERI, China) and Dr. T. Masui
- 11:50-12:10 The Progress and Short-term Tasks of SDB
Ms. M. Miyashita (MHIR, Japan)
- 12:10-12:30 APEIS Project : Development and Applications of Strategic Data Base (SDB) for India
Prof. P. Shukla (IIM, India)
- 12:30-12:40 Discussions

12:40-13:40 Lunch Break

13:40-14:35 Session IX LCS (Low Carbon Society) Scenario Development (1)

(Chairperson Dr. J. Fujino)

- 13:40-14:10 Japan LCS Study
Dr. J. Fujino (NIES, Japan)
- 14:10-14:30 Local Application of the LCS Scenario Development Method: A Case Study "Sustainable Shiga 2030"
Prof. K. Shimada (Ritsumeikan Univ., Japan)
- 14:30-14:35 Address from Ministry of the Environment
Mr. Tsukamoto (MOE, Japan)

