

International Symposium on **Urban Energy and Carbon Management: Challenges for** **Science and Policy**

February 4, 2008, AIT Centre, Asian Institute of Technology, Klong Luang, Thailand

9:00 – 9:30 Opening session

Welcoming addresses

- **Professor Sudip K. Rakshit**, Asian Institute of Technology, Thailand
- **Dr. Michael Raupach**, Global Carbon Project, Commonwealth Scientific and Industrial Research Organization, Australia.

Opening remarks

- **Mr. Surendra Shrestha**, United Nations Environment Program, Thailand.
- **Mr. Rae Kwon Chung**, United Nations Economic and Social Commission for Asia and the Pacific, Thailand.

9:30 – 10:30 Session 1. Overview

- **Dr. Shobhakar Dhakal**, Global Carbon Project, National Institute for Environmental Studies, Japan.
- **Professor Ram M. Shrestha**, Asian Institute of Technology, Thailand.
- **Mr. Rae Kwon Chung**, United Nations Economic and Social Commission for Asia and the Pacific, Thailand.

11.00 – 12:30 Session 2. Urban energy and carbon scenarios and lessons for management

- **Dr. Richard Dawson**, Tyndall Centre, University of Newcastle Upon Tyne, United Kingdom.
- **Dr. Stephen Hammer**, Urban Energy Program, Columbia University, United States.
- **Dr. Alexandre Davignon**, CENTRO CLIMA, Programa de Planejamento Energético - COPPE – UFRJ, Brazil.
- **Dr. Patricia Romero Lankao**, National Centre for Atmospheric Research (NCAR), United States.

14.00 – 15:30 Session 3. Urban energy and carbon scenarios in developing Asian mega-cities

- **Professor Priyadarshi R. Shukla**, Indian Institute of Management, Ahmadabad, India.
- **Ms. Li Li**, Shanghai Academy of Environmental Sciences, People's Republic of China.
- **Mr. Jessie L. Todoc**, Consultant to International Council for Local Environmental Initiatives (ICLEI-South East Asia).
- **Mr. Vic Aquitania**, ICLEI-Local Governments for Sustainability Southeast Asia Secretariat, Philippines.

15:50 – 17:15 Panel discussion

- **Moderator:** **Dr. Shobhakar Dhakal**, Global Carbon Project, Japan
- **Panelists:**
Professor Ram M. Shrestha, Asian Institute of Technology, Thailand
Professor Hidefumi Imura, Nagoya University
Dr. Stephen Hammer, Columbia University
Dr. Patricia Romero Lankao, National Centre for Atmospheric Research, United States
Dr. Niels Schulz, Urban Energy Systems Project, Imperial College London
Mr. Masakazu Ichimura, United Nations Economic and Social Commission for Asia and the Pacific

17:15 – 17:30 Summary and closing remarks

- **Professor Sivanappan Kumar**, Asian Institute of Technology, Thailand.

International Workshop on Urban Energy and Carbon Modeling

February 5-6, 2008, AIT Centre, Asian Institute of Technology, Klong Luang, Thailand

Day 1

9.00-9.15 Welcoming Remarks

- *Professor Ram M. Shrestha*, Asian Institute of Technology, Thailand.
- *Dr. Shobhakar Dhakal*, Global Carbon Project, Japan.

9.15 - 10.30 Session 1: Setting the stage - Global carbon emission modeling and spatially explicit analyses

- *Dr. Mike Raupach*, Commonwealth Scientific and Research Organization (CSIRO), Canberra, Australia.
- *Dr. Peter Rayner*, Laboratoire de Laboratoire des Sciences du Climat et de l'Environnement, Institut Pierre-Simon Laplace, CEA-CNRS-UVSQ, France.
- *Dr. Kevin Gurney*, Purdue University, United States.

10.50- 12.05 Session 2: Urban form, energy and carbon modeling

- *Dr. Julian Marshall*, University of Minnesota, United States.
- *Dr. Yohei Yamaguchi*, Osaka University, Japan.
- *Dr. Toshiaki Ichinose*, National Institute for Environmental Studies, Japan.

13.35 – 14.50 Session 3. Accounting and modeling urban dynamics for energy and carbon analyses: techniques and perspectives

- *Dr. Richard Dawson*, Tyndall Centre, University of Newcastle Upon Tyne, United Kingdom.
- *Dr. James Keirstead*, Imperial College London, United Kingdom.
- *Dr. Alexandre Davignon*, CENTRO CLIMA, Programa de Planejamento Energético - COPPE – UFRJ, Brazil.

15.10 – 17.15 Session 4: Energy and carbon emissions and modeling for Asian mega-cities

- *Dr. Niels Schulz*, Imperial College London, United Kingdom.
- *Dr. Shinji Kaneko*, Hiroshima University and *Dr. Shobhakar Dhakal*, Global Carbon Project.
- *Ms. Li Li*, Shanghai Academy of Environmental Sciences, China.
- *Dr. Charles O. P. Marpaung*, Christian University of Indonesia, Indonesia.
- *Mr. Aumnad Phdungsilp*, Dhurakij Pundit University, Thailand.

Day 2

8.30 – 10.00 Session 5: Developing a common front amongst existing and emerging scientific initiatives on urban energy and carbon

- *Dr. Shobhakar Dhakal*, Global Carbon Project, Japan.
- *Professor Hidefumi Imura*, Nagoya University, Japan.
- *Dr. Patricia Romero Lankao*, National Center for Atmospheric Research, United States.
- *Dr. Steve Hammer*, Columbia University, United States.
- *Dr. Niels Schulz and Dr. James Keirstead*, Imperial College London, United Kingdom.
- *Dr. Richard Dawson*, University of Newcastle Upon Tyne, United Kingdom.

10.30 – 12.30 Session 6: Discussion - Where we go from here?

12.30 – 12.45 Summary and closing of the workshop