

## CITIES AT RISK:

BUILDING ADAPTIVE CAPACITY FOR MANAGING CLIMATE CHANGE  
IN ASIA'S COASTAL MEGACITIES

26-28 February 2008  
Chulalongkorn University - Bangkok, Thailand  
Montien Hotel – Bangkok, Thailand

### **Workshop Program (DRAFT)**

*Please note that an asterisk (\*) indicates a confirmed speaker or commentator.  
All other participants are currently being contacted.*

#### WEDNESDAY, 25 FEBRUARY 2009

Montien Hotel Bangkok

<b>5:00 p.m. – 7:00 p.m.</b>	<i>Registration of workshop participants</i>
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#### THURSDAY, 26 FEBRUARY 2009

Chulalongkorn University

<b>7:30 a.m. – 8:15 a.m.</b>	<i>Registration of workshop participants (continued)</i>
<b>8:15 a.m.</b>	<b>Bus departs for Chulalongkorn University</b>
<b>9:00 a.m. – 10:15 a.m.</b>	<b><u>Opening Session</u></b> <b>Chair: Dr. Nancy Lewis, East-West Center*</b> <b>Rapporteur: Philip Estermann, East-West Center*</b>
9:00 a.m. – 9:30 a.m.	<b>Welcome on behalf of sponsors and local hosts</b> <i>Dr. Hassan Virji, START*</i> <i>Prof. Nobuo Mimura, Ibaraki University/IR3S*</i> <i>Ms. Perlyn Pulhin, APN*</i> <i>Prof. Nordin Hasan, ICSU ROAP*</i> <i>Prof. Kua Wongboonsin, Chulalongkorn University*</i>  <i>Bangkok Government?</i>

9:30 a.m. – 9:45 a.m.	<b>Workshop Objectives and Expectations</b> <i>Prof. Roland Fuchs, East-West Center*</i>
9:45 a.m. – 10:15 a.m.	<b>Keynote Address:</b> <i>Towards Urban Adaptation Planning: The Challenges</i> <i>Ian Burton, Professor Emeritus, University of Toronto*</i>
<b>10:15 a.m. – 10:45 a.m.</b>	<i>Tea and coffee break</i>
<b>10:45 a.m. – 12:15 p.m.</b>	<b>Helping to Meet the Challenge: An Introduction to the World Bank, ADB, and JICA Urban Adaptation Studies</b> <i>Dr. Warren Evans, The World Bank*</i> <i>Dr. Jay Roop, Asian Development Bank*</i> <i>Ms. Megumi Muto, Japan International Cooperation Agency*</i>
<b>12:15 p.m. – 1:30 p.m.</b>	<i>Lunch</i>
<b>1:30 p.m. – 2:20 p.m.</b>	<b><u>Cities at Risk: Increasing Population Exposure</u></b> <b>Chair: Dr. Om Prakash Mathur, National Institute of Public Finance and Policy, India*</b> <b>Rapporteur: Dr. Michail Fragkias, IHDP*</b>
1:30 p.m. – 1:55 p.m.	<b>Current and projected populations at risk: Dynamics of Asian urban population growth in low elevation coastal zones</b> <i>Dr. Marc Levy, CIESIN*</i>
1:55 p.m. – 2:20 p.m.	<b>Case Study: Dynamics of Growth in the Pearl River Delta</b> <i>Prof. Karen Seto, IHDP UGEC, Yale University*</i>
<b>2:20 p.m. – 3:35 p.m.</b>	<b><u>Increasing Risks from Sea Level Rise and Climate Change</u></b> <b>Chair: Prof. Gordon McBean, Chair of the ICSU Program on Integrated Research on Disaster Risk (IRDR)*</b> <b>Rapporteur: Mr. Norio Saito, ADB*</b>
2:20 p.m. – 2:45 p.m.	<b>Sea Level Rise and Coastal Vulnerabilities</b> <i>Prof. Nobuo Mimura, Ibaraki University/IR3S*</i>

2:45 p.m. – 3:10 p.m.	<b>Extreme Events</b> <i>Prof. Michael Manton, Monash University*</i>
3:10 p.m. – 3:35 p.m.	<b>Estimating Risk Probabilities</b> <i>Dr. Roger Jones, CSIRO*</i>
<b>3:35 p.m. – 4:00 p.m.</b>	<i>Tea and Coffee Break</i>
<b>4:00 p.m. – 4:45 p.m.</b>	<b>Discussion: Increasing Population Exposure and Increasing Risks</b> <i>Brief comments (5-7 minutes) from Discussion Commentator followed by discussion from the floor.</i>  <i>Commentator: Prof. Akimasa Sumi, University of Tokyo* and Prof. Rusong Wang, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences*</i>
<b>4:45 p.m. – 5:45 p.m.</b>	<b><u>Panel 1: Cities at Risk – Asia’s Coastal Megacities</u></b> <b>Chair: Dr. Allen Clark, East-West Center*</b> <b>Rapporteur: Nicole Milne, University of Hawaii*</b>  <b>Panel Members:</b>  <ol style="list-style-type: none"> <li>1. Dr. Masahiro Sugiyama, <i>Univ. of Tokyo &amp; Advisor, JICA Manila study*</i></li> <li>2. Dr. Mozaharul Alam, <i>Bangladesh Centre for Advanced Studies*</i></li> <li>3. Dr. Banasopit Mekvichai, <i>Chulalongkorn Univ. &amp; formerly BMA, Bangkok*</i></li> <li>4. Dr. Baode Chen, <i>Shanghai Typhoon Institute / CMA*</i></li> <li>5. Dr. Do Minh Duc, <i>Hanoi University of Science, Vietnam*</i></li> <li>6. Dr. M.C. Wong, <i>Hong Kong Observatory*</i></li> </ol> <p><i>A roundtable discussion with representatives from several of the workshop’s targeted cities about awareness and estimation of risks in their cities, perceived vulnerabilities, existing analytical capacities for modeling, risk estimation, and downscaling, and programming and/or projects in place to address the risks and vulnerabilities.</i></p>
<b>5:45 p.m. – 6:00 p.m.</b>	<b>Looking Ahead: Day 2</b>
<b>6:00 p.m.</b>	<b>Bus back to the hotel</b>

6:00 p.m. – 7:30 p.m. 7:00 p.m. – 7:30 p.m.	Break Meeting with Working Group Chairs and Rapporteurs ( <i>at hotel</i> )
7:30 p.m.	Dinner Reception, Montien Hotel Bangkok

FRIDAY, 27 FEBRUARY 2009

Montien Hotel Bangkok

8:00 a.m. – 8:10 a.m.	Announcements and Review of Day 1
8:10 a.m. – 11:45 a.m.	<b><u>Analyzing, Mapping and Understanding Vulnerability: Knowledge Tools</u></b> Chair: Dr. Joern Birkmann, UNU/EHS* Rapporteur: Dr. Upasna Sharma, TERI*
8:10 a.m. – 8:35 a.m.	<b>Overview: Improving the links between science and practice – Managing floods in urbanizing regions</b> <i>Dr. Louis Lebel, Chiang Mai University, Thailand*</i>
8:35 a.m. – 9:35 a.m.	<b><u>Panel 2: Information Needs, Opportunities, and Constraints</u></b> Chair: Dr. Dushmanta Dutta, Monash University* Rapporteur: Dr. Geoffrey Blate, WWF  Panel Members: 1. Mr. Moshuuzziman Khan, <i>Khulna City Corporation, Bangladesh*</i> 2. Dr. Tommy Firman, <i>Institute of Technology, Jakarta*</i> 3. Dr. Dinh Tuan Nguyen, <i>HCMC Environmental Protection Agency*</i> 4. Prof. Lin Feng-Tyan, <i>National Taiwan University, Taipei*</i> 5. Prof. Emma Porio, <i>Ateneo de Manila Univ. and JICA Manila study *</i>  <i>A discussion with representatives from practitioner communities about the current status of information and data availability; perceived needs; and potential opportunities and constraints.</i>
9:35 a.m. – 10:00 a.m.	Tea and Coffee Break

10:00 a.m. – 10:25 a.m.	<p><b>Measuring and mapping livelihood and socio-economic vulnerabilities</b>  <i>Dr. Susan Cutter, University of South Carolina*</i></p>
10:25 a.m. – 10:50 a.m.	<p><b>Critical infrastructure and economic vulnerabilities analysis</b>  <b>Case Study: Manila</b>  <i>Ms. Megumi Muto, JICA and Project Leader of JICA Manila study*</i></p>
10:50 a.m. – 11:15 a.m.	<p><b>Communicating Risk: Simulating and visualizing urban flooding - Ho Chi Minh City, Vietnam</b>  <i>Dr. Anond Snidvongs, Chulalongkorn University and Advisor to the ADB Ho Chi Minh City study*</i></p>
11:15 a.m. – 11:45 a.m.	<p><b>Discussion</b>  <i>Brief comments (5-7 minutes) from Discussion Commentator followed by discussion from the floor.</i></p> <p><b>Commentator:</b> <i>Dr. Bach Tan Sinh, National Council for Science and Technology Policy, Vietnam*</i></p>
<b>11:45 a.m. – 12:45 p.m.</b>	<i>Lunch</i>
<b>12:45 p.m. – 2:20 p.m.</b>	<p><b><u>Adaptation and Risk Management</u></b>  <b>Chair: Dr. Saksit Tridech, Permanent Secretary, Ministry of Natural Resources and Environment, Thailand*</b>  <b>Rapporteur: Ms. Perlyn Pulhin, APN Secretariat*</b></p>
12:45 p.m. – 1:05 p.m.	<p><b>Knowledge and capacity for climate risk management</b>  <i>Dr. Habiba Gitay, The World Bank Institute (to be confirmed)</i></p>
1:05 p.m. – 1:30 p.m.	<p><b>Adaptation in Action:</b>  <b>Options and strategies in Bangkok</b>  <i>Mr. Chanchai Vitooldpanyakij, Director of the Department of Drainage and Sewerage, BMA and Leader of the WB Bangkok study*</i>  <i>Dr. S.M. Wahid, Asian Institute of Technology and Advisor to the WB Bangkok study*</i></p>

1:30 p.m. – 2:20 p.m.	<p><b><u>Panel 3: Adapting to Climate Change in Asia’s Coastal Megacities</u></b></p> <p><b>Chair: Dr. Jariya Boonjawat, SEA-START Regional Center*</b>  <b>Rapporteur: Dr. Jia Lu, Shenzhen Urban Planning and Research Center*</b></p> <p><b>Panel Members:</b></p> <ol style="list-style-type: none"> <li>1. Prof. Huien Niu, <i>Shenzhen Urban Planning and Research Center*</i></li> <li>2. Mr. Kishore Gajbhiya, <i>Municipal Cooperation of Greater Mumbai*</i></li> <li>3. Dr. Md Nurul Islam, <i>Dhaka City Corporation*</i></li> <li>4. Mr. Fei Yu Kuo, <i>Department of Urban and Housing, Taipei*</i></li> <li>5. Dr. Noman Ahmed, <i>NED University, Karachi*</i></li> <li>6. Ms. Antonia Yulo Loyzaga, <i>Manila Observatory*</i></li> </ol> <p><i>A discussion with representatives from target cities about perceived adaptation options, strategies for implementation, and constraints.</i></p>
2:20 p.m. – 2:50 p.m.	<i>Tea and Coffee Break</i>
2:50 p.m. – 4:45 p.m.	<b>Enhancing Adaptive Capacity: Working Groups</b>
2:50 p.m. – 3:00 p.m.	<p><b>Review of Charges to the Working Groups</b>  <i>Prof. Roland Fuchs, East-West Center*</i></p>
3:00 p.m. – 4:45 p.m.	<p><b>Working Groups Convene (4)</b></p> <p><b>WG 1: Determining and Characterizing Risks at the Local Scale</b>  <i>Chair: Prof. Gordon McBean</i>  <i>Rapporteurs: Prof. Michael Manton and Ms. Antonia Yulo Loyzaga</i></p> <p><b>WG 2: Building a Knowledge Base: Determining and Portraying Vulnerabilities</b>  <i>Chair: Dr. Habiba Gitay</i>  <i>Rapporteurs: Prof. Emma Porio and Dr. Mozaharul Alam</i></p>

	<p><b>WG 3: Identifying, Evaluating, and Prioritizing Urban Adaptation Measures</b>  <i>Chair: Prof. Ian Burton</i>  <i>Rapporteurs: Dr. Kai Kim Chiang and Dr. Quang Huy Luong</i></p> <p><b>WG 4: Urban Governance for Risk Reduction: Mainstreaming Adaptation into Urban Planning and Development</b>  <i>Chair: Prof. Shabbir Cheema</i>  <i>Rapporteurs: Dr. Kris Ebi and Dr. Dushmanta Dutta</i></p> <hr/> <p><i>A cross-cutting issue for all working groups to consider is the priorities for research, capacity building, and networking needed to enhance adaptive capacities in cities at risk.</i></p>
4:45 p.m. – 5:00 p.m.	<p><b>Looking Back: Workshop Goals and Objectives</b></p> <p><b>Looking Ahead: Day 3</b></p>
TBD	<p><b>Working Group Chairs and Rapporteurs meet for drinks, dinner, or breakfast? (Venue TBD)</b></p>

SATURDAY, 28 FEBRUARY 2009

Montien Hotel Bangkok

8:00 a.m. – 8:10 a.m.	Announcements
8:10 a.m. – 9:40 a.m.	<p><b><u>Integrating climate risk adaptation and urban and development planning</u></b>  <b>Chair: Prof. Shu-Li Huang, National Taiwan University, Taipei*</b>  <b>Rapporteur: Dr. Somrudee Nicro, Thailand Environment Institute*</b></p>
8:10 a.m. – 8:30 a.m.	<p><b>Governance Challenges and Opportunities</b>  <i>Dr. David Dodman, IIED Human Settlements Group*</i></p>
8:30 a.m. – 8:50 a.m.	<p><b>Integrating Public Health &amp; Adaptation</b>  <i>Dr. Kris Ebi, ESS, LLC*</i></p>
8:50 a.m. – 9:10 a.m.	<p><b>Integrating Disaster Management &amp; Adaptation</b>  <i>Dr. Govindarajan Srinivasan, Asian Disaster Preparedness Center*</i></p>

9:10 a.m. – 9:40 a.m.	<p><b>Discussion</b>  <i>Brief comments (5-7 minutes) from Discussion Commentator followed by discussion from the floor.</i></p> <p><i>Commentator: Ian Burton, Professor Emeritus, University of Toronto*</i></p>
9:40 a.m. – 10:00 a.m.	<p><i>Tea and Coffee Break</i></p>
<p>10:00 a.m. – 11:00 a.m.</p> <p>8:10 a.m. – 8:30 a.m.</p> <p>8:30 a.m. – 8:50 a.m.</p> <p>8:50 a.m. – 9:10 a.m.</p>	<p><b><u>Panel 4: Funding Adaptation – Challenges and Opportunities</u></b></p> <p><b>Chair: Dr. Hassan Virji, START*</b>  <b>Rapporteur: Clark Seipt, START*</b></p> <p><b>Panel Members:</b></p> <ol style="list-style-type: none"> <li>1. Dr. Poonam Pillai, <i>The World Bank*</i></li> <li>2. Dr. Jay Roop, <i>ADB*</i></li> <li>3. Ms. Megumi Muto, <i>JICA*</i></li> <li>4. Dr. Winston Bowman, <i>USAID, Regional Development Mission-Asia*</i></li> <li>5. Mr. Chris Seeley, <i>The Clinton Foundation</i></li> </ol> <p><i>A discussion with representatives from the donor, foundation, and private industry communities about perceived financial challenges and opportunities with respect to adaptation and development.</i></p>
11:00 a.m. – 1:00 p.m.	<p><b>Working Groups reconvene</b></p>
1:00 p.m. – 2:00 p.m.	<p><i>Lunch</i></p>

<p><b>2:00 p.m. – 3:40 p.m.</b></p>	<p><b><u>Working Group Reports to the Plenary</u></b>  <b>Chair: Prof. Nordin Hasan, ICSU-ROAP*</b>  <i>Rapporteurs: Nicole Milne, University of Hawaii*</i>  <i>Clark Seipt, START*</i></p>
<p>WG 1: 2:00 – 2:25 p.m.  WG 2: 2:25 – 2:50 p.m.  WG 3: 2:50 – 3:15 p.m.  WG 4: 3:15 – 3:40 p.m.</p>	<p><i>15 minute presentation followed by 10 minutes for questions</i>  <b>WG 1: Determining and Characterizing Risks at the Local Scale</b>  <b>WG 2: Building a Knowledge Base: Determining and Portraying Vulnerabilities</b>  <b>WG 3: Identifying, Evaluating, and Prioritizing Urban Adaptation Measures</b>  <b>WG 4: Urban Governance for Risk Reduction: Mainstreaming Adaptation into Urban Planning and Development</b></p>
<p><b>3:40 p.m. – 4:00 p.m.</b></p>	<p><i>Tea and Coffee Break</i></p>
<p><b>4:00 p.m. – 5:00 p.m.</b></p>	<p><b><u>Closing Plenary</u></b>  <b>Chair: Prof. Nordin Hasan, ICSU-ROAP*</b>  <i>Rapporteur: Nicole Milne, University of Hawaii*</i>  <i>Clark Seipt, START*</i></p>
<p>4:00 p.m. – 4:45 p.m.</p>	<p><b>Moving Forward: Next Steps</b>  <i>Prof. Roland Fuchs* and Prof. Nobuo Mimura*</i></p>
<p>4:45 p.m. – 5:00 p.m.</p>	<p><b>Concluding Remarks</b>  <i>Prof. Nobuo Mimura, Ibaraki University / IR3S*</i>  <i>Dr. Hassan Virji, START*</i>  <i>Dr. Jay Roop, ADB*</i>  <i>Dr. Anond Snidvongs, Chulalongkorn University and SEA-START*</i></p>
<p><b>5:00 p.m.</b></p>	<p><b>Workshop Adjournment</b></p>