

# FUTURE EARTH REGIONAL WORKSHOP FOR ASIA AND THE PACIFIC

Hotel « Le Meridien », KUALA LUMPUR, MALAYSIA

21 – 23 NOVEMBER 2012

## FINAL PROGRAMME

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**Main goals:**

1. To develop a common understanding of Future Earth, including its vision, research framework and governance
2. To identify regional research priorities (research questions, required capabilities, etc.) that will help shape the Future Earth research strategy in the Asia-Pacific region
3. To discuss opportunities and challenges for implementing Future Earth in the region
4. To explore the best ways of establishing a regional interface for Future Earth

**Expected outcomes:**

1. Regional feedback on Future Earth, including its vision, research framework and governance
2. Identified links with existing regional research plans and priorities
3. Guidance on the next steps to implement Future Earth in the Asia-Pacific region

**DAY 1 – 21 November 2012 (Wednesday)**

**Introduction to Future Earth and regional landscape for Earth system science**

**Co-chairs: Nordin Hasan and Linda Stevenson**

08:00 – 09:00	Registration
<b>Session 1: Introduction to Future Earth</b>	
09:00 – 09:15	<b>Opening Remarks</b> Yuan Tseh Lee – President, International Council for Science (ICSU)
09:15 – 09:30	<b>Objectives of the workshop and agenda</b> Day's co-chairs : Nordin Hasan – Director, ICSU Regional Office for Asia and the Pacific (ICSU ROAP) and Linda Stevenson – Executive Science Officer, Asia-Pacific Network for Global Change Research (APN)
09:15 – 09:45	<b>Presentation of Future Earth: overall objectives, rationale and design process</b> Carthage Smith – Deputy Executive Director, ICSU
09:45 – 10:00	<b>Short Question and Answer session on the overall presentation of Future Earth</b>
10:00 – 10:30	<b>Presentation of the research framework for Future Earth</b> Anne Larigauderie – Executive Director, DIVERSITAS and Future Earth Transition Team member
10:30 – 11:00	<b>Short Question and Answer session on the research framework</b>
11:00 – 11:30	Coffee Break
11:30 – 12:10	<b>Presentation of the governance structure and funding mechanisms for Future Earth</b> Rik Leemans - Professor, Wageningen University and Future Earth Transition Team member
12:10 – 12:45	<b>Question and Answer session on the governance structure</b>
12:45 – 14:00	Lunch
<b>Session 2: Regional perspectives on the development of Future Earth at the global and regional levels</b>	
14:00 – 15:30	<b>Feedback and discussion on the global design and features of Future Earth – Asia Pacific perspectives</b> Panelists will provide their feedback on Future Earth as described in the morning's presentations and will address the following questions: What is your personal take on the global design of Future Earth that has been presented? Are the research framework and governance structure proposed adequate to deliver integrated and solutions oriented research for global sustainability?

	<p>Panellists include:</p> <p>Regional scientists:</p> <ul style="list-style-type: none"> <li>• <b>Ailikun</b> Director, Monsoon Asia Integrated Regional Study (MAIRS)</li> <li>• <b>Yasunari Tetsuzo</b> Professor Emeritus, Hydrospheric Atmospheric Research Center (HyArc), Nagoya University; Chairman of Japan Joint National Committee for IGBP-WCRP - DIVERSITAS</li> <li>• <b>Harini Nagendra</b> DST Ramanujan Fellow, Ashoka Trust for Research in Ecology and the Environment (ATREE); Scientific Committee Member of DIVERSITAS; Scientific Steering Committee Member of the Global Land Project, Capacity Building Committee Expert Member for the Asia Pacific Network for Global Change Research</li> <li>• <b>Kanayathu Chacko Koshy</b> Professor of Sustainability, Center for Global Sustainability Studies, Universiti Sains Malaysia (USM)</li> <li>• <b>Chuluun Togtokh</b> Director General of the Department of Green Development Policy and Planning, Ministry of Environment and Green Development, Mongolia</li> </ul> <p>Previous speakers:</p> <ul style="list-style-type: none"> <li>• Carthage Smith</li> <li>• Anne Larigauderie</li> <li>• Rik Leemans</li> </ul>
15:30 – 16:00	Coffee Break
16:00 – 17:30	<p><b>Roundtable discussion on regional priorities and opportunities to develop Future Earth</b></p> <p>From a regional perspective, what are the challenges and opportunities to delivering solutions oriented sustainability research and how can Future Earth contribute? Given current activities on global environmental change in the region, how can Future Earth add value at the regional level?</p> <p>Suggestions include:</p> <ul style="list-style-type: none"> <li>• <b>Andrew Matthews</b> Expert Member of the APN Steering Committee</li> <li>• <b>Takashi Kohyama</b> Professor of Plant Ecology, Hokkaido University; IGBP – WCRP – DIVERSITAS National Committee Japan</li> <li>• <b>Joyashree Roy</b> Professor of Economics, Jadavpur University, Kolkata, India</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Chuluun Togtokh</b> Director General of the Department of Green Development Policy and Planning, Ministry of Environment and Green Development, Mongolia</li> </ul>
19:00 - 22:00	Welcome Dinner

<p><b>DAY 2 – 22 November 2012 (Thursday):</b></p> <p><b>Developing a vision for Future Earth in the region and research priorities</b></p> <p><b>Co-chairs: Nordin Hasan and Sybil Seitzinger</b></p>
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Session 3: Developing a regional vision for Future Earth	
08:30 – 09:00	<p><b>Main messages from day 1</b></p> <p>Co-chairs: Nordin Hasan and Sybil Seitzinger</p>
09:00 – 09:45	<p><b>Introduction of the sub-group session 1</b></p> <p>Carthage Smith</p>
09:45 – 11:30	<p><b>Breakout Session 1 on developing a regional vision for Future Earth</b></p> <p>What is your vision for sustainability research? What would success look like for Future Earth in the region? What would the success indicators be?</p> <p><b>Breakout group 1:</b></p> <p>Chair (facilitate discussions within the group and report in plenary): to be defined by the group</p> <p>Rapporteur: <i>TBA</i></p> <p>Transition Team member: Rik Leemans</p> <p><b>Breakout group 2:</b></p> <p>Chair: to be defined by the group</p> <p>Rapporteur: Anne-Sophie Stevance (ICSU)</p> <p>Transition Team member: Tandong Yao, Anne Larigauderie</p> <p><b>Breakout group 3:</b></p> <p>Chair: to be defined by the group</p> <p>Rapporteur: Norizan Ab Rahman (ICSU)</p> <p>Transition Team members: Anantha Duraiappah</p> <p><b>Breakout group 4:</b></p> <p>Chair: to be defined by the group</p> <p>Rapporteur: Sharizad Dahlan (ICSU)</p> <p>Transition Team members: Sybil Seitzinger</p>

11:30 – 12:00	Coffee Break
12:00 – 12:45	<b>Presentation by breakout group chairs in plenary</b>
12:45 – 13:45	Lunch
<b>Session 4: Defining research priorities for the region within Future Earth</b>	
13:45 – 14:15	<b>Mid workshop evaluation</b> What have we achieved so far? What are your expectations for the rest of the workshop? Have you got any remaining questions regarding Future Earth or the workshop that you would like to raise now? Sybil Seitzinger
14:15 – 14:30	<b>Introduction of the breakout session 2</b> Carthage Smith
14:30 – 14:45	Coffee Break
14:45 – 16:15	<b>Breakout Session 2: research priorities and opportunities to strengthen capabilities within Future Earth in Asia and the Pacific</b> What are the regional research questions for each of the 3 research themes that need to be answered to achieve this vision? What are the set of capabilities needed to answer these questions? All groups will cover the 3 themes (1/ Dynamic planet 2/Global development 3/Transformation towards global sustainability) <ul style="list-style-type: none"> <li> <b>Breakout group 1</b>            Chair: to be defined by the group            Rapporteur: <i>TBA</i>            Transition Team member: Anne Larigauderie         </li> <li> <b>Breakout group 2</b>            Chair: to be defined by the group            Rapporteur: Anne-Sophie Stevance (ICSU)            Transition Team members: Anantha Duraiappah         </li> <li> <b>Breakout group 3</b>            Chair: to be defined by the group            Rapporteur: Norizan Ab Rahman (ICSU)            Transition Team member: Rik Leemans         </li> <li> <b>Breakout group 4</b>            Chair: to be defined by the group            Rapporteur: Sharizad Dahlan (ICSU)            Transition Team members: Sybil Seitzinger, Tandong Yao         </li> </ul>

16:15 – 16:45	Coffee Break
17:00 – 18:00	<b>Presentation by breakout group chairs and discussion in plenary : Research priorities and capabilities in the region</b>
19:00 - 22:00	Dinner reception

**DAY 3 – 23 November 2012 (Friday) :**  
**Organizing Future Earth at the regional level**  
**Co-chairs: Nordin Hasan and Rik Leemans**

Session 5: designing the regional interface of Future Earth	
08:30 – 08:45	<b>Key messages from day 1 and day 2</b> Co-chairs: Nordin Hasan and Rik Leemans
08:45 – 09:45	<b>Presentation of funders' perspective on sustainability research and discussion on opportunities</b> <ul style="list-style-type: none"> <li>• <b>Taniguchi Makoto / Carthage Smith</b> on behalf of the Belmont Forum– 10 minutes</li> <li>• <b>Neda Farahbakhshazad</b> Research for Development (R4D) Adviser, Swedish Secretariat for Environmental Earth System Sciences (SSEESS), representing the Swedish International Development Agency (Sida) – 10 minutes</li> <li>• <b>Akio Takemoto</b> Director, APN Secretariat – 10 minutes</li> </ul>
09:45 – 10:00	<b>Introduction of Breakout Session 3</b> Carthage Smith
10:00 – 10:15	Coffee Break
10:00 – 11:45	<b>Breakout Session 3: options and recommendations to implement Future Earth in the region</b> Breakout groups working in parallel on the following questions How to organize ourselves at the regional level? What should the regional interface of Future Earth look like? Who should be engaged? Where do we start, what are the next steps? How would we fund it? <ul style="list-style-type: none"> <li>• <b>Breakout Group 1</b> Chair: to be defined by the group Rapporteur: <i>TBA</i> Transition Team member: Rik Leemans</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Breakout Group 2</b> Chair: to be defined by the group Rapporteur: Sharizad Dahlan (ICSU) Transition Team member: Anantha Duraiappah</li> <li>• <b>Breakout Group 3</b> Chair: to be defined by the group Rapporteur: Norizan Ab Rahman (ICSU) Transition Team member: Tandong Yao, Anne Larigauderie</li> <li>• <b>Breakout Group 4</b> Chair: to be defined by the group Rapporteur: Anne-Sophie Stevance (ICSU) Transition Team member: Sybil Seitzinger</li> </ul>
11:45 – 12:00	Coffee Break
12:00 – 13:00	<b>Presentation by Working Groups chairs and Discussion in plenary: options for implementing Future Earth in the region</b>
13:00 – 14:00	Lunch
<b>Session 6: Recommendations and way(s) forward to develop Future Earth in the region</b>	
14:00 – 14:30	<b>Impression from the co-chairs on key messages</b> Co-chairs: Nordin Hasan and Rik Leemans
14:30 – 16:00	<b>Panel Discussion: Implementing Future Earth in the Asia – Pacific region</b> <ul style="list-style-type: none"> <li>• <b>Yuan Tseh Lee</b> President of International Council for Science (ICSU)</li> <li>• <b>Taniguchi Makoto</b> Program Director at the Research Institute for Humanity and Nature (RIHN) and Belmont Forum representative</li> <li>• <b>Andrew Matthews</b> Expert Member of the APN Steering Committee</li> <li>• <b>Toshio Yamagata</b> Director, Application Lab, Japan Agency for Marine-Earth Science and Technology (JAMSTEC); ICSU Regional Committee Member for Asia and the Pacific</li> <li>• <b>Zakri Abdul Hamid</b> Science Advisor to the Prime Minister of Malaysia</li> <li>• <b>Cindy Yoshiko Shirata</b> Secretary General of Science Council of Asia, also representing SATREPS (Science and Technology Research Partnership for Sustainable Development)</li> </ul>



	<ul style="list-style-type: none"> <li>• <b>Neda Farahbakhshazad</b> Research for Development (R4D) Adviser, Swedish Secretariat for Environmental Earth System Sciences (SSEESS), representing the Swedish International Development Agency (Sida)</li> </ul>
16:00 – 16:20	Coffee Break
16:20 – 16:45	<b>Final evaluation</b> Carthage Smith
16:45 – 17:05	<b>Summary and next steps</b> Co-chairs: Nordin Hasan and Rik Leemans
17:05 – 17:15	<b>Closing words</b> Zakri Abdul Hamid