



Urban Adaptation to Climate Change: **BUILDING RESILIENCE** in Hong Kong and Asian Cities | November 27 - 29th 2014 at the Grand Hyatt

ICCC2014 PROGRAMME SUMMARY

Please look at www.iccc.hk for more details on our programme.

- GUEST OF HONOUR: Dr. Rajendra K. PACHAURI, Chairman of Intergovernmental Panel on Climate Change (IPCC)
- We will bring together distinguished scientists including numerous IPCC scientists, Asian policy makers, business leaders, climate experts and their Asian counterparts to share approaches, best practice methods and results.
- 18 conference sessions

DRAFT PROGRAMME

Day 1: November 27th 2014


TIME	TOPIC
9.00am-9:10am in PLENARY	<ul style="list-style-type: none"> • Choir sings climate change song • Welcome by Prof. KC Ho, HKCCF Chairman
9.10am -9.20am in PLENARY	<ul style="list-style-type: none"> • Words of Introduction by KS Wong, Secretary for the Environment, HSAR Government
9.20am-9.35am in PLENARY	<p>Guest of Honour: Keynote address: Dr. Rajendra K Pachauri, Chairman of the Intergovernmental Panel on Climate Change (IPCCC), Nobel Laureate for his work in Chairing the IPCC. He also serves as the Director-General of The Energy and Resources Institute (TERI) in New Delhi, India and leads Yale's Climate and Energy Institute</p>
9.35am-10.00am in PLENARY	<p>Special Address: Mr David Málaga, Consul General of Peru and Arnaud Barthélémy, Consul General of France - discussing COP 20 in Lima and COP 21 in Paris and how adaptation is fitting in to the UNFCCC negotiations</p>
10.00am-11.00am PLENARY 1 Moderated by Dr. Jeanne Ng, Director - Group Sustainability, CLP	<p>Landscape overview on government actions on urban adaptation and resilience in Asia and Hong Kong: short and long term considerations and actions UN-Habitat estimates that 70% of the world's population will live in urban areas by 2050, and approximately 60% of the growth is expected to take place in Asia. Cities, which are seeing some of the fastest population growth, are amongst the least prepared, yet will likely bear the bulk of responsibilities for adaptation measures. Responding to climate change is a progressive, integrated and participatory process.</p> <p>Speaker and Panellists:</p> <ul style="list-style-type: none"> • Ms. Christine Loh, HKSAR Under Secretary for the Environment, HKSAR Government • Mr. Simon Tay, Chairman, Singapore Institute of International Affairs; Associate Professor, Faculty of Law, National University of Singapore; Senior Consultant and Wong Partnership Law Firm • Mr. Mohammad Manirul Islam, Senior Assistant Secretary, Ministry of Disaster Management and Relief, Bangladesh Government • Mr. Jose Clemente Salceda, Governor of Albay Province, Philippines (TBC)
11.00am-11.15am	COFFEE BREAK
11.15am-12.15pm PLENARY 2 Moderated by Moderated by Prof. Yuguo Li, University of Hong Kong	<p>China: Urban Adaptation and Resilience China's National Development and Reform Commission (NDRC) has laid out an extensive list of adaptation plans to achieve by 2020, including improving early-warning detection systems for natural disasters, promoting better farming practices, protecting nature and wildlife, and improving infrastructure. In this session, we will learn more from cities in China that will be particularly affected by flooding issues, from both rising sea levels and an intensification of monsoonal rains.</p> <p>Speaker and Panellists: Keynote: Prof. Zhou Ji, President of the Chinese Academy of Engineers (TBC) Keynote: Dr. Qin Dahe, Chinese Academy of Science, Co-Chair Working Group I of the IPCC, Former Director of the China Meteorological Administration</p> <ul style="list-style-type: none"> • Meng Qingping, Director, Shanghai Minhang District Emergency Office • Reps from Guangzhou or Tianjin (other China cities most at risks of CC in China)
12.15pm-1.15pm PLENARY 3 Moderated by Dr. Gail Kendall, co-founder of HKCCF	<p>Quantifying and Appraising the Nature and Magnitude of Urban Risks of Climate Change The economic costs of climate change are likely to amount to billions of dollars annually for the next several decades. Though much work has been done on quantifying and appraising risks of climate change impacts, many methods developed to assess climate vulnerability vary considerably - quantifying climate risks and costs at the urban level remains challenging.</p> <p>Speaker and Panellists: Keynote: Dr. Gil-Hong Kim, Director of Sustainable Infrastructure and Urban Development, ADB's Regional and Sustainable Development Department: Climate Proofing. A Risk Based Approach</p> <ul style="list-style-type: none"> • Mr. Mohammad Manirul Islam, Senior Assistant Secretary, Ministry of Disaster Management and Relief, Bangladesh Government • Mr. Paul Procee, Senior Disaster Risk Management Specialist, World Bank • Mr. John Curtin, Director of Incident Management at the Environment Agency, UK Government • Ir Raymond K.S Chan, Meinhardt, Director, Geotechnical



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TIME	TOPIC
12.15pm-1.15pm Parallel 3a Moderated by Mr. Christopher Tung, Partner K & L Gates and co-founder of HKCCF	<p>Business Response to Adaptation The physical risks of climate change are often overlooked by business. The reasons for this are several: the uncertainty of future projections and the long-term nature of climate change. Those most at risk are companies with long-term capital investments (infrastructure, equipment), those in sectors where weather and climate is an integral part of production (such as agriculture or construction), industries that rely heavily on transport and other infrastructure in their supply chains, or those facing reflected risks, such as the insurance industry.</p> <p>Speaker and Panellists:</p> <ul style="list-style-type: none"> • Mr. Philippe La Camp, Swire Group's Sustainability Director • Dr. Jeanne Ng, Director - Group Sustainability, CLP • Ms. Janice Lao, Sustainability Manager, MTR • Dr. Mark Watson, Head of Environmental Affairs, Cathay Pacific
1.15pm-2.15pm	BUFFET LUNCH in the FOYER
2.15pm-4.15pm PLENARY 4 HKSAR GOVERNMENT ADAPTATION & RESILIENCE FORUM	 <p>Ensuring Hong Kong is Climate Ready In this special 2 hour session, for the first time a cross sector of HKSAR departments will discuss together Hong Kong's climate risk scenarios in the context of its preparedness plans, adaptation and resilience initiatives. They will explore gaps with participants and you are encouraged to join the discussion.</p> <p>Presentations by: Hong Kong Observatory (HKO), Drainage Services Department (DSD), Civil Engineering and Development Department (CEDD), Water Supplies Department (WSD) and Department of Health (DoH). Q & A Session: This session will include representatives from other departments and stakeholders.</p>
4.15pm-4.30pm	COFFEE BREAK
4.30pm-5.30pm PLENARY 5 Moderated by Dr. Peter Cookson Smith, Founder of Urbis Limited	<p>Planning for A Resilient and Integrated City Climate-resilient development in the urban context means robust and integrated planning and development. An integrated urban planning strategy will reduce urban risks to climate impacts through informed land use decisions and zoning designations. All those involved in the planning of a city need to work together and prioritize the transfer of knowledge and skills for the building of local resilience capacity.</p> <p>Speaker and Panellists:</p> <p>Keynote: Ms. Milica Bajic Brkovic, President, The International Society of City and Regional Planners (ISOCARP)</p> <ul style="list-style-type: none"> • Professor Nazrul Islam, President, Asiatic Society of Bangladesh and Chairman, Centre for Urban Studies(CUS) • Mr. Bernadus Djonoputro, Managing Partner, HD Asia Advisory and President, Indonesian Assoc. Of Urban & Regional Planners (TBC) • Mr. Christoforos Romanos, Associate of Arup • Prof. Slobodan Djordjevic, University of Exeter
4.30pm-5.30pm Parallel 5a Moderated by Mr. Mike Kilburn, Senior Manager, Environment, Airport Authority of Hong Kong	<p>The Importance of Ecosystem-Based Adaptation (EBA) The rapid growth in the number of people living in cities in Asia and urban land development has led to the degradation and destruction of natural eco-system barriers like forests, swamps, wetlands and mangroves that protect communities from floods and landslides. Globally, changes to ecosystems have contributed to a significant rise in the number of floods and major wildfires on all continents since the 1940s. Understanding the links between urban biodiversity and climate change, especially in the context of ecosystem-based adaptation (EBA) – can increase urban resilience and contribute to climate change objectives through regeneration and enhancements of natural barriers.</p> <p>Speaker and Panellists:</p> <p>Keynote: Prof. Stephen Blackmore, CBE VMH FRSE, Chairman, Botanic Gardens Conservation International, Queen's Botanist & Honorary Fellow, Royal Botanic Garden Edinburgh, Chair of the Darwin Expert Committee, the Darwin Initiative</p> <ul style="list-style-type: none"> • Prof. Richard Corlett, Xishuangbanna Tropical Botanic Garden (XTBG), Chinese Academy of Sciences • Dr. Gunter Fischer, Head of Flora Conservation Department, KFBG • Dr. Tim Bonebrake, Assistant Professor of Environmental Science, University of Hong Kong • Mr. Edward Hamm, Owner, Resilience Studios
4.30pm-5.30pm Parallel 5b Moderated by Ms. Yan Yan Yip, CEO of Civic Exchange	<p>Considering the Poverty Multiplier of Climate Change Climate change will exacerbate poverty both directly and indirectly and it threatens to undo decades of development efforts. In this session we will consider how different agencies, policy makers and funders need to be integrating poverty and climate change.</p> <p>Speaker and Panellists:</p> <p>Keynote: Dr. David Dodman, Senior Researcher in IIED's Human Settlements Group and IPCC Working Group II Lead Author in Chapter 9 on rural areas, and Contributing Author in Chapter 8, on urban areas</p> <ul style="list-style-type: none"> • Hon. Betty Lourdes f. Tabanda, City Councillor, Chairperson: Committee on Social Services, Women and Urban Poor, Regional Technical Education and Regional Development Council (RTESDAC) • Professor Nazrul Islam, President, Asiatic Society of Bangladesh and Chairman, Centre for Urban Studies (CUS) • Rakesh Mohan, Programme Manager, South Asia & Southern Africa, OXFAM Hong Kong



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5.30pm in PLENARY	Wrap Up & Close
7.00pm-10.00pm	Banquet Dinner at the Grand Hyatt Distinguished Dinner Speaker Sir Crispin Tickell , Former Director, Policy Foresight Programme, University of Oxford Advisory Council Member, Oxford Martin School, University of Oxford Member, Board of Directors for Sustainability at ASU
Day 2: November 28th	
TIME	TOPIC
8.00am-9.00am	Registration
9.00am-10.00am PLENARY 6 Moderated by Dr. David Dodman, Senior Researcher in IIED's Human Settlements Group	How Can Cities Benefit From Adaptation Funding Vehicles? The World Bank Study on the 'Economics of Adaptation to Climate Change' found that the costs of adaptation would be in the range of \$75-100 billion per year between 2010 and 2050. Adaptation programs require financing from a wide variety of local, national, and international sources, public and private, including grants and concessional lending. However, most of the funds available are overseen by national authorities and entities, and cities need to find ways to benefit from them. Speaker and Panellists: <ul style="list-style-type: none"> Mr. Jose Clemente Salceda, Governor of Albay Province, Philippines (TBC) Mr. Eric Beinhocker, Executive Director of the Institute for New Economic Thinking, Oxford Martin School Mr. Wai Shin Chan, Director - Climate Change Strategy, Asia-Pacific, The Hongkong and Shanghai Banking Corporation Limited Mr. James Maguire, AON Risk Solutions, Regional Managing Director, Asia
9.00am -10.00am Parallel 6a Moderated by Ms. Isabel Hilton, Editor, China Dialogue	High Urban Risks to Asia: coastal flooding, storm surge, water scarcity and drought Increased frequency of heavy precipitation, intense tropical cyclone activity and extreme high sea levels in some regions will exacerbate the risks of flooding, most acutely in low-elevation coastal zones, where many of Asia's most populated cities are. At the same time, due to increased average temperatures, increased water demand and falling water tables, water scarcity is already a major problem in Asia - with crop yields and industry are already being impacted. What strategies and lessons can be learnt for the Asia-Pacific region? Speaker and Panellists: Keynote: Mr. Aromar Revi, Director of the Indian Institute for Human Settlements (IHS), IPCC Working Group 11 Coordinating Lead Author for Chapter 8, on urban areas <ul style="list-style-type: none"> Mr. John Englander, President, Rising Seas Group Ms. Debra Tan, Head of China Water Risk Dr. Faith Chan, Assistant Professor, School of Geographical Sciences representing, University of Nottingham Ningbo Campus. Fellow of Civic Exchange Prof. Slobodan Djordjevic, University of Exeter
10.00am-11.00am PLENARY 7 Moderated by Ms. Ciara Shannon, ICC2014 Director and Director, Eden Ventures	Disaster Response & Critical Urban Infrastructures Among the anticipated impacts of change is an increase the frequency and severity of weather-related disasters. As we have seen in recent decades in Asia and elsewhere, such disasters can cripple a city; interrupting business and critical services, with potentially significant costs and delays for recovery. Early warning systems and well-coordinated restoration of critical infrastructures can considerably reduce the human and economic costs of weather disasters. In this session we will learn from recent flooding in the UK, responses to typhoon Haiyan and Vietnam. Speaker and Panellists: Keynote: Mr. John Curtin, Director of Incident Management at the Environment Agency, UK Government <ul style="list-style-type: none"> Dr. Tim Fox, Head of Energy and Environment, Institution of Mechanical Engineers (IMechE) Ms. Resty Lou Talamayan, Manager, Typhoon Haiyan Operations, Philippine Red Cross, National Headquarters, Manila (TBC) Dr. Bach Tan Sinh, NISTPASS Vietnam (ACCRN)
10.00am-11.00pm Parallel 7a Moderated by Prof. Alexis Lau, Department of Civil and Environmental Engineering, Division of Environment, HKUST	Long Term, Short Term Meteorological Modelling and Early Warning Systems Adaptation and risk management depend entirely on our ability to anticipate future climate impacts and to receive early warnings when disasters are imminent. Despite recent progress in developing reliable climate models, there is a need for more timely and accurate early warning systems for extreme weather events as well as greater confidence in long term predictions under a variety of emission scenarios. Speaker and Panellists: Keynote: Dr. V. Ramaswamy, Director, Geophysical Fluid Dynamics Laboratory, Princeton, USA <ul style="list-style-type: none"> Prof. Gabriel Lau, AXA Professor of Geography and Resource Management, and Director of the Institute of Environment, Energy and Sustainability, The Chinese University of Hong Kong Prof. Johnny Chan, Dean of School of Energy and Environment and Chair Professor of Atmospheric Science at City University Mr. Edwin Lai, Assistant Director at the HK Observatory
11.00am-11.30am	Coffee Break

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TIME	TOPIC
11.30am-12.30pm PLENARY 8 Moderated by Ir Dr Otto Poon Co-founder, Immediate Past Chairman of HKCCF and Organizing Chair of ICC2014	<p>The Engineers and Architects Response Changes in climate conditions will present engineers and architects with a wide range of adaptation challenges and opportunities. Key considerations include how existing infrastructure and buildings should function under anticipated new climate conditions and how to embed the flexibility to function under unknown conditions. With expected increases in urbanization and higher income levels in Asia, a key consideration is that most urban infrastructure that will exist in 40–50 years has not yet been built. Thus, Asia has a unique opportunity to build and engineer state of the art climate resilient infrastructure.</p> <p>Speaker and Panellists: Keynote: Prof. Zhou Ji, President of Chinese Academy of Engineering (TBC)</p> <ul style="list-style-type: none"> • Ir Chan Chi Chiu, Senior Vice President of HKIE • Dr. Tim Fox, Head of Energy and Environment, Institution of Mechanical Engineers (IMechE): Climate Change: Adapting to the Inevitable? • Dr. Tom Verebes, Associate Professor, Department of Architecture, The University of Hong Kong • Ir Bruce Chong, Associate, Arup
11.30am-12.30pm Parallel 8a Moderated by Dr. Winnie Law, Assistant Director, The Kadoorie Institute, The University of Hong Kong	<p>Community and Grass Roots Urban Action on Climate Change in Asia Partnership strategies and methods for bringing different stakeholders together in order to respond to the dynamics of climate change is increasingly important throughout Asia. In this session we discuss community adaptation initiatives in Asia.</p> <p>Speaker and Panellists: Keynote: Shivangi Chavda, Dy. Executive Director, Sustainable Environment & Ecological Development Society, New Delhi, India.</p> <ul style="list-style-type: none"> • Dr Shiraz Wajih, Gorakhpur Environmental Action Group, India • Guineviene R. De Jesus, Country Representative, Philippines, Partners for Resilience Coordinator, Philippines • Mr. Andy Brown, Executive Director, KFBG
12.30pm-1.30pm	BUFFET LUNCH in the FOYER
1.30pm -2.30pm PLENARY 9 Moderated by Prof. Wong Tze Wai, School of Public Health and Primary Care, The Chinese University of Hong Kong	<p>Urban Health Resilience in Asia Climate change has the potential to create adverse impacts on health including a greater likelihood of injury, disease and death due to more intense heat-waves, fires, storms and floods; increased likelihood of under-nutrition resulting from diminished food production and water scarcity in poorer regions; and increased risks from heat-related and water-borne disease such as malaria and dengue fever etc. These health risks would be exacerbated by both temporary and long term population displacements due to rising sea levels and competition for resources. Few Asian cities have health adaptation strategies and in this session we will explore this topic and consider lessons to learn.</p> <p>Speaker and Panellists: Keynote: Prof. Alistair Woodward, Epidemiology and Biostatistics, School of Population Health, The University of Auckland (lead IPCC writer)</p> <ul style="list-style-type: none"> • Prof. Emily Ying-yang Chan, Convenor, Climate Change and Health Study Group, JC School of Public Health and Primary Care, Faculty of Medicine, The Chinese University of Hong Kong • Dr. Vivian Tam Wong, former General Manager of Queen Mary Hospital and currently Chairlady of the Friends of the Earth (HK)
1.30pm-2.30pm Parallel 9a Workshop led by Ms. Hannah Routh, Director, Sustainability and Climate Change; PwC and Mr. Hendrik Rosenthal, Director- Policy Research & ESG Advisory, Business Environment Council (BEC)	<p>Business Environment Council (BEC) Climate Risk Tool (CRT) Workshop How will climate change impact businesses and value chains? What steps should businesses take to prepare for climate change? The Business Environment Council (BEC) Climate Change Business Forum (CCBF) has developed an Excel-based tool to help inform business decisions on climate risks and opportunities, as well as formulate appropriate adaptation actions. Companies interested in making use of the tool are welcomed to attend a workshop that will familiarise environmental and risk managers with the tool.</p>
2.30pm -3.00pm in PLENARY	Close by Ir Dr Otto Poon, Co-founder, Immediate Past Chairman of HKCCF and Organizing Chair of ICC2014
Day 3: November 29th 10am-3.00pm	Boat Trip and Site Visit to Tai O, Lantau. Tai O is a low lying area in Hong Kong and is prone to flooding. In 2008, Tai O experienced heavy flooding and landslides. We will be visiting this area for our site visit, as it reminds us that Hong Kong is vulnerable to extreme weather impacts and we will also discuss coastal flood management risk management practices.

