

Business and the Climate Change Challenge

18 October 2019



EVENT DETAILS

- Date:** 18 October 2019 (Friday)
- Time:** 09:00 – 12:30 (Reception will start at 8:30 with coffee/tea)
- Venue:** L40 Event space, HSBC Main Building, 1 Queen's Road Central, Hong Kong
(Identity verification will be needed when entering the building)
- Registration:** This event is free of charge, but pre-registration is needed.
Please click [HERE](#) or scan the QR code for registration.

Climate change is now widely recognised as a key risk faced by business. Why is that? What are the expected and potential impacts? What is the scientific consensus that is changing the narrative and business conditions and creating an ever increasing sense of urgent changes must be made to meet the climate change challenge?

HSBC and HKUST are delighted to invite you to hear from, and join a discussion with, scientists leading the efforts of the Intergovernmental Panel on Climate Change (IPCC) which is responsible for assessing, compiling and communicating the views of global scientific expertise on climate change. The Director and Assistant Director of the Hong Kong Observatory will join the discussion of the impacts climate change on Hong Kong.

Given the importance and urgency of the underlying issues and seniority of the presenters this is a truly unique opportunity and we are only inviting senior leaders across Business, Finance as well as sustainability specialists from Business and Civil Society in Hong Kong to join.

The session will cover three IPCC Special Reports:

- Global Warming of 1.5 °C (published October 2018 www.ipcc.ch/sr15/)
- Climate Change and Land. This covers the impact of climate change on desertification, land degradation, sustainable land management and food security, and greenhouse gas fluxes in terrestrial ecosystems (published August 2019 www.ipcc.ch/report/srcl/)
- The Ocean and Cryosphere in a Changing Climate. This covers the impact of climate change on the world's oceans and on the Greenland and Antarctic Ice-caps. (To be published in late Sept 2019 www.ipcc.ch/report/srocc/)

PROGRAMME

TIME	ITEMS	SPEAKERS
08:30	Reception with coffee/tea	
Session I: Science basics, where are we now and possible pathways forwards		
Moderated by (TBC)		
	Projections of climate change	Prof. Panmao Zhai, IPCC
	Urgency of carbon emission reduction	Prof. Hans-Otto Pörtner, IPCC
	Measures to reduce carbon emission	Dr. Youba Sokona, IPCC
09:00	Addressing carbon emissions through local actions	TBC
	Panel Discussion	<ul style="list-style-type: none"> • Prof. Panmao Zhai, IPCC • Prof. Hans-Otto Pörtner, IPCC • Dr. Youba Sokona, IPCC • Mr. Shun Chi-ming, Hong Kong Observatory
10:30	Coffee/Tea Break	
Session II: Adapting to the expected impacts, actions required to avoid catastrophe and business implications		
Moderated by Mr. Jonathan Drew, HSBC		
	Global perspectives	Prof. Hans-Otto Portner, IPCC
	Hong Kong's perspectives & actions	Mr. P. W. Chan, Hong Kong Observatory
11:00	Panel Discussion	<ul style="list-style-type: none"> • Prof. Hans-Otto Pörtner, IPCC • Prof. Panmao Zhai, IPCC • Mr. Shun Chi-ming, Hong Kong Observatory
12:00	Closing & Networking	

SPEAKERS

(By last name in alphabetical order)



Mr. P. W. Chan is a Assistant Director of the Hong Kong Observatory. He specializes in research and development, and overseeing the climate information service including climate change studies in the Observatory. He has worked at the Observatory for over 25 years including aviation weather service with research experience on low level windshear/turbulence, meteorological instrumentation and mountain meteorology. He holds a Master of Philosophy degree on Physics in University of Hong Kong and is a Chartered Meteorologist of Royal Meteorological Society. He has published more than 180 refereed scientific papers in internationally renowned journals on meteorology.



Prof. Hans-Otto Pörtner is a Co-Chair of Working Group II of the IPCC for the Sixth Assessment cycle. He studied at Münster and Düsseldorf Universities where he received his PhD qualifying in Animal Physiology. As a Research and then Heisenberg Fellow of the German Research Council he worked at Dalhousie and Acadia Universities, Nova Scotia, Canada and at the Lovelace Medical Foundation, Albuquerque, USA. Currently he is Professor and Head of the Department of Integrative Ecophysiology at the Alfred Wegener Institute, Bremerhaven, Germany. He acts as an associate editor 'Physiology' for Marine Biology and as a co-editor of the Journal of Thermal Biology. He was Honorary International Associate Member of the Society for Integrative Biology, USA, between 2006 and 2013. He gave the Peter Hochachka Memorial Lecture at University of British Columbia in 2007, the Plymouth Marine Lecture in 2013, and the Bidder Lecture of the Society for Experimental Biology in Florence, 2018. During the IPCC Fourth Assessment Cycle he served as Lead Author on the Working Group III Special Report on Carbon Capture and Storage, and during AR5 as Coordinating Lead Author of Chapter 6 (Ocean Systems) of the Working Group II Report, as a member of the author teams for the Working Group II Summary for Policymakers and Technical Summary, as well as a member of the Core Writing Team for the Synthesis Report. His research interests include the effects of climate warming, ocean acidification, and hypoxia on marine animals and ecosystems with a focus on the links between ecological, physiological, biochemical and molecular mechanisms limiting tolerance and shaping biogeography and ecosystem functioning. He is a Clarivate Analytics highly cited researcher 2018.



Mr. Shun Chi-ming, F.R.Met.S., is the Director of the Hong Kong Observatory. Mr Shun graduated from the University of Hong Kong as Bachelor of Science in 1985. He joined the Hong Kong Observatory in 1986 as Scientific Officer. Mr Shun specialized in aeronautical meteorology since the 1990s and introduced the most advanced doppler weather radar to detect windshear for the Hong Kong International Airport (HKIA) which opened in 1998. In the 2000's, Mr Shun led a team of researchers to develop the world-first Light Detection And Ranging (LIDAR) Windshear Alerting System for the HKIA. The system overcame the long-standing problem of detection of windshear under rain-free conditions, winning local awards and international recognition.

Mr Shun started taking up several international positions since the 2000's. He was President of the Commission for Aeronautical Meteorology (CAeM) of the UN World Meteorological Organization (WMO) from 2010 to 2018, the first Asian who took up this high position in WMO. Mr Shun Chi-ming was elected a Co-Vice-President of the newly-established Commission for Weather, Climate, Water and Related Environmental Services and Applications of the WMO in June 2019.

SPEAKERS

(By last name in alphabetical order)



Dr. Youba Sokona is a Vice-Chair of IPCC for the Sixth Assessment cycle. Prior to this, he was Co-Chair of IPCC Working Group III on the mitigation of climate change for the Fifth Assessment Report after serving as a Lead Author since 1990. Youba is currently the Special Advisor for Sustainable Development at the South Centre. With over 35 years of experience addressing energy, environment and sustainable development in Africa, he is a well-known, leading global figure. In addition to these achievements, Youba has a proven track record of organisational leadership and management, for example as Coordinator of the African Climate Policy Centre (ACPC) and as Executive Secretary of the Sahara and the Sahel Observatory (OSS). Youba's advice is highly sought after, and as such, he is affiliated with numerous boards and organisations, including as a Member of the Board for the Institute of Development Studies, Honorary Professor at the University College London (UCL), and as a Special Advisor to the African Energy Leaders Group. In short, Youba is a global figure, with deep technical knowledge, extensive policy experience and an unreserved personal commitment to African led development.



Prof. Panmao Zhai is a Co-Chair of Working Group I of IPCC for the Sixth Assessment cycle. He is a well-known Chinese climatologist. He is a research professor and PhD advisor in the Chinese Academy of Meteorological Sciences, the largest multi-disciplinary and comprehensive research institution on atmospheric sciences in China. He has more than 30 years working experience in climate change and variability studies. He has published more than 100 papers in Chinese and English. He has developed the Global Climate Monitoring and Diagnostic System and established the ENSO Monitoring and Prediction System in China. Such contributions have effectively supported China National Climate Centre's operational activities and services. Currently, as a Chief Scientist, Panmao is leading a group of excellent meteorologists, studying the formation mechanism and prediction method for persistent extreme events in China.