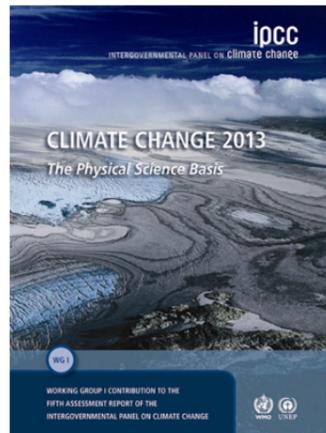
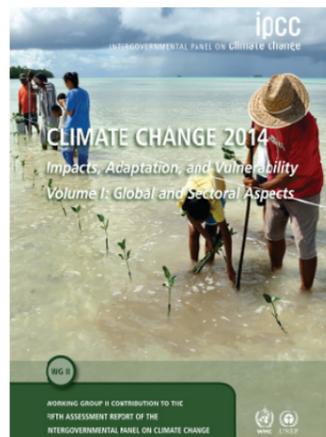


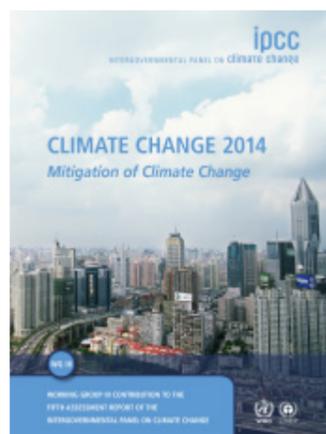
The IPCC's Fifth Assessment Report (AR5) is being released in four parts between September 2013 and November 2014. It will be the most comprehensive assessment of scientific knowledge on climate change since 2007 when Fourth Assessment Report (AR4) was released. It contains contributions from three Working Groups. Working Group I assesses the physical science basis of climate change. Working Group II assesses impacts, adaptation, and vulnerability, while Working Group III assesses the mitigation of climate change. The Synthesis Report draws on the assessments made by all three Working Groups. AR5 is made up of the full reports prepared by the Working Groups (I, II and III) and their Summaries for Policymakers as well as the Synthesis Report.



The Working Group I on Physical Science Basis contribution to the IPCC's Fifth Assessment Report (AR5) considers new evidence of climate change based on many independent scientific analyses from observations of the climate system, paleoclimate archives, theoretical studies of climate processes and simulations using climate models. As a component of the fifth assessment cycle, the IPCC Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation (SREX) is an important basis for information on changing weather and climate extremes. It provided a historical perspective on the understanding of climate science and the evidence regarding human influence on the Earth's climate system. Since the last assessment, the scientific knowledge gained through observations, theoretical analyses, and modelling studies has continued to increase and to strengthen further the evidence linking human activities to the ongoing climate change.



The Working Group II on Impacts, Adaptation, and Vulnerability contribution to the AR5 (WGII AR5) has 30 chapters, a Technical Summary, and a Summary for Policymakers. The WGII AR5 considers the vulnerability and exposure of human and natural systems, the observed impacts and future risks of climate change, and the potential for and limits to adaptation. The chapters of the report assess risks and opportunities for societies, economies, and ecosystems around the world. The Working Group II contribution to the AR5 (WGII AR5) has 30 chapters, a Technical Summary, and a Summary for Policymakers. The WGII AR5 considers the vulnerability and exposure of human and natural systems, the observed impacts and future risks of climate change, and the potential for and limits to adaptation. The chapters of the report assess risks and opportunities for societies, economies, and ecosystems around the world.



The Working Group III on Mitigation of Climate Change contribution to the IPCC Fifth Assessment Report (WGIII AR5) provides a comprehensive assessment of all relevant options for mitigating climate change through limiting or preventing greenhouse gas emissions, as well as activities that remove them from the atmosphere. The report assesses the options for mitigating climate change and their underlying technological, economic and institutional requirements. It transparently lays out risks, uncertainty and ethical foundations of climate change mitigation policies on the global, national and sub-national level, investigates mitigation measures for all major sectors and assesses investment and finance issues. The new report features an improved treatment of social, economic and ethical issues, and sustainable development.

Workshop on IPCC Fifth Assessment Report (IPCC-AR5)

4 July 2014
Putrajaya, Malaysia

Organised by



In partnership with



The **IPCC Fifth Assessment Report (AR5) Workshop** is organised by the Ministry of Natural Resources and Environment Malaysia (NRE), Intergovernmental Panel on Climate Change (IPCC) and Universiti Kebangsaan Malaysia's Southeast Asia Disaster Prevention Research Initiative in partnership with the British High Commission and United Nations Development Programme (UNDP) Malaysia.

The Workshop follows a meeting of IPCC authors held in Putrajaya on 30 June-3 July 2014 to work on the Synthesis Report that will integrate the findings of the multi-volume AR5 and is due to be finalized in October 2014. The Workshop aims to highlight findings of the IPCC's three Working Groups with special focus on topics such as forestry, sea-level change, food security and responses to climate change. The Workshop will also examine the role of the IPCC and how its work can be improved.

9.00 am - 9.30 am

OPENING Remarks from IPCC Chair, Prof. Rajendra Kumar Pachauri
Opening by Minister of Natural Resources and Environment, YB. Datuk Seri G. Palanivel

9.30 am - 10.45 am

SESSION I: OVERVIEW

Moderator: Mr. Asfaazam Kasbani, UNDP Malaysia

IPCC Climate Change 2013: The Physical Science Basis - Key Findings & Lessons Learned

- Prof. Thomas Stocker, University of Bern, Switzerland

IPCC Climate Change 2014: Impacts, Adaptation and Vulnerability - Key Findings & Lessons Learned

- Prof. Christopher Field, Department of Global Ecology, Carnegie Institution for Science, USA

IPCC Climate Change 2014: Mitigation of Climate Change - Key Findings & Lessons Learned

- Dr. Youba Sokona, South Centre, Switzerland

10.45 am – 11.00 am MORNING BREAK

11.00 am - 12.15 pm

SESSION 2: THEMATIC HIGHLIGHTS

Moderator: Prof. Fredolin Tangang, Universiti Kebangsaan Malaysia / IPCC WG-I Vice-Chair

Understanding and Projections of Sea Level Change

- Dr. John Church, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia

Climate Change and Forests

- Prof. N.H. Ravindranath, Indian Institute of Science, Bangalore, India

Climate Change and Food Security: Impacts, Adaptation & Interactions

- Dr. Mark Howden, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia

12.15 am – 2.30 pm AFTERNOON BREAK / FRIDAY PRAYERS

2.30 pm - 3.45 pm

SESSION 3: WAY FORWARD

Moderator: Dr. Lian Kok Fei, Under Secretary, Ministry of Natural Resources and Environment

Economics of Climate Change Adaptation

- Dr. Stephane Hallegatte, Sustainable Development Network, The World Bank

Climate Change Responses: From Adaptation to Transformation

- Prof. Karen O'Brien, Department of Sociology and Human Geography, University of Oslo, Norway

IPCC: Serving the Needs of Members and Improvements for the Future

- Prof. Jean-Pascal van Ypersele, Université Catholique de Louvain, Belgium

3.45 pm - 4.15 pm

CLOSING Closing by Ministry of Natural Resources and Environment

ABOUT THE SPEAKERS

Prof. Rajendra Kumar Pachauri

Prof. Pachauri is Chair of the IPCC and Director-General of The Energy and Resources Institute (TERI), an independent research organisation providing knowledge on energy, environment, forestry, biotechnology, and the conservation of natural resources. Dr. Pachauri is a prominent researcher on environmental and energy issues and their policy dimensions.



Prof. Thomas Stocker

Prof. Stocker is Co-Chair of IPCC's WG I on The Physical Science Basis and Professor of Climate and Environmental Physics at the University of Bern, Switzerland since 1993. His research encompasses the development of climate models of intermediate complexity, modelling past and future climate change and the reconstruction of the chemical composition of precipitation and greenhouse gas concentration based on ice cores from Greenland and Antarctica.



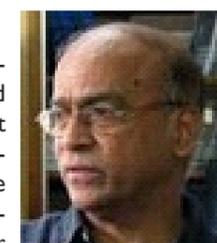
Dr. Youba Sokona

Dr. Youba Sokona is Co-Chair of IPCC's WG III on Mitigation of Climate Change and Special Advisor on Sustainable Development at the South Centre. The South Centre is an Intergovernmental Organization of Developing Countries intended to meet the need for analysis of development problems and experience, as well as to provide intellectual and policy support required by developing countries particularly in the international arena. His work focus is on the energy, environment and sustainable development nexus.



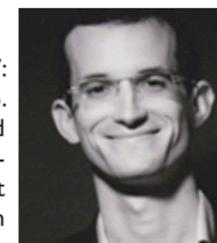
Prof. Nijavalli H. Ravindranath

Prof. Ravindranath is a Lead Author of Chapter 11: Agriculture, Forestry and Other Land Uses, IPCC-WG III-AR5. He is a Professor at the Indian Institute of Sciences based in Bangalore, India. His research on climate change specialises in greenhouse gas emissions inventory in agriculture, forests and other land use sectors; impact of climate change and vulnerability assessment in forest and agro-ecosystems; mitigation assessment in land use sectors; and adaptation and climate resilience.



Dr. Stephane Hallegatte

Dr. Hallegatte is Lead Author, Chapter 17: Economics of Adaptation, IPCC-WG II-AR5. He is a senior economist with the World Bank, Météo-France, and Centre International de Recherche sur l'Environnement et le Développement (CIRED). He works on natural disasters and risk-management policies at local and national scales. Dr. Hallegatte has worked extensively on decision-making under uncertainty, with applications for climate change adaptation in the water sector and risk management.



Prof. Jean-Pascal van Ypersele

Prof. van Ypersele is Vice-Chair of the IPCC and Professor of Climatology and Environmental Sciences at Université catholique de Louvain, Belgium. He specialised in climate change modelling and the climate effects of human activities. The more recent work of Dr. van Ypersele is related to integrated assessment modelling of climate stabilisation, and they are done with economists in an interdisciplinary perspective.



Prof. Christopher B. Field

Prof. Field is Co-Chair of IPCC's WG II on Impacts, Adaptation, and Vulnerability and the Founding Director of Carnegie Institution's Department of Global Ecology. His research emphasises impacts of climate change, from the molecular to the global scale. Prof. Field has been deeply involved with national and international scale efforts to advance science and assessment related to global ecology and climate change. For two decades, he has led major experiments on responses of California grassland to multi-factor global change.



Dr. John Church

Dr. Church is a Coordinating Lead Author of Chapter 13: Sea Level Change, IPCC-WG I-AR5. He is a Fellow of the Commonwealth Scientific and Industrial Research Organisation (CSIRO) and leads the Coasts and Sea-level Team in CSIRO Marine and Atmospheric Research. He has background as a sea-going oceanographer with considerable experience in Southern Ocean science and as leader of many research voyages. Dr. Church's area of expertise is in the role of the ocean in climate, particularly anthropogenic climate change and sea-level rise.



Dr. Mark Howden

Dr. Howden is Lead Author, Chapter 7: Food Security and Food Production Systems, IPCC-WG II-AR5. He is the Theme Leader of the 'Adaptive Primary Industries, Enterprises and Communities' in the Commonwealth Scientific and Industrial Research Organisation (CSIRO) Climate Adaptation Flagship. His research passion focuses on the impacts of climate on Australian ecosystems and urban systems dealing with amongst other things: the dynamics of grazed and cropped ecosystems, development of innovative and sustainable farming systems, biodiversity, energy systems and water use.



Prof. Karen O'Brien

Prof. O'Brien is Lead Author, Chapter 20: Climate-resilient Pathways: Adaptation, Mitigation and Sustainable Development, IPCC-WG II-AR5. She is a Professor in the Department of Sociology and Human Geography at the University of Oslo, Norway. She has been working on climate change impacts, vulnerability, and adaptation research. Her interest is in how transdisciplinary and integral approaches to global change research can contribute to a better understanding of how societies both create and respond to change, and in a particular how beliefs, values and worldviews influence human responses to climate change.

