

IPCC Conference Agenda
11/13/2015 8AM-4PM
University of Miami Bank United Center – Fieldhouse

- 8:00am **Registration and Breakfast**
- 9:00am **Welcome – Provost LeBlanc – University of Miami**
- 9:05am **Welcome – Dean Roni Avissar, Rosenstiel School of Marine and Atmospheric Science (UM/RSMAS)**
- 9:10am **Welcome IPCC Chair Hoesung Lee – Professor, Economics of Climate Change, Energy and Sustainable Development – Korea University Graduate School of Energy and Environment, Republic of Korea.**
- 9:15am **Welcome message - President Frenk - University of Miami**
- 9:20am **Amy Clement, Professor, Department of Atmospheric Sciences (UM/RSMAS) Moderator – morning program**
- 9:30-10:30am **Ben Kirtman, Professor, and Brian Soden, Professor, Department of Atmospheric Sciences (UM/RSMAS) Physical Science Basis Presentations – Working Group I**
Is the climate changing?
What does the modern instrumental record tell us about how the climate system has evolved since the dawn of the Industrial Revolution and how do we know that human activities are affecting climate? How are climate projections of the future made, and what are the projected outcomes in terms of not only mean changes (i.e., global warming, sea level rise) but also changes in extreme events such as tropical storms, heat wave, cold spells, droughts and floods?
- 10:30-10:45am **BREAK**

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Highlights of the IPCC Fifth Assessment Report (AR5)/Synthesis Report – Working Group II: Impacts and Adaptation to Climate Change. *What is climate change doing to us and how can we tackle and adapt to it?*

Hans-Otto Pörtner, Professor, Department of Integrative Ecophysiology - Alfred Wegener Institute for Marine and Polar Research, Bremerhaven, Germany - Co-Chair, IPCC Working Group II, Coordinating Lead Author (WGII) on Fifth Assessment Report (Germany). *Focus on oceans - Presents the impacts of climate change and options for adaptation for the Oceans with implications for the Southeast US and Caribbean*

Úrsula Oswald Spring, Professor and researcher at the National University of Mexico, Regional Multidisciplinary Research Centre (CRIM) - WGII Lead Author (Mexico)
Human security – How climate change will affect water and food security, poverty and livelihoods, migration and conflict

John Agard, Professor of Tropical Island Ecology, University of West Indies - WGII Lead Author (Trinidad)
The impacts and adaptation to climate change on the Caribbean islands and what they may mean to South Florida

Katherine Hagemann – Sustainability Initiatives Coordinator - Office of Sustainability, Miami-Dade County
Adaptation Planning in Miami Dade County
A review of local efforts to adapt to sea-level rise in Miami-Dade County and the broader region. The presentation will also review innovative efforts to adapt to living with water and protecting coastal ecosystems being used by other major coastal cities.

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Jayantha Obeysekera (Obey) Chief Modeler, South Florida Water Management District

Challenges of Addressing Climate Change, Variability, and Sea-Level Rise in Water Resources Management of South Florida

Climate change projections as published in the most recent IPCC report and numerous other studies have the potential to cause significant impacts on flood control and water supply functions of water resources management, and on existing and future ecosystem restoration projects in South Florida. This presentation will cover technical challenges of addressing future sea level rise and climate change and the implications for water security in the South Florida region.

David Letson, Professor Department of Marine Ecosystems and Society – UM/RSMAS

Economic Realities- As a low-lying coastal urban center, South Florida will face increasing exposure to flooding in the coming decades. While we can, to some extent, build defenses to protect ourselves, doing so will be extremely costly and will merely transfer risks from frequent low intensity events to rarer high intensity risks. We should train ourselves to expect coastal floods to arrive not gradually but in sudden discontinuities that reshape us. Can our ability to cope keep up with the changing climate system?

12:30–1:30pm

LUNCH

1:30–2:00pm

Kenny Broad, Professor and Chair, Department of Marine Ecosystems and Society UM/RSMAS

Why we do and don't worry about climate change

Given the scientific consensus regarding climate change, what are the psychological and cultural factors that affect the public's willingness to take proactive action at the personal and policy level? Drawing on studies from different fields related to risk perception we will discuss some of the dominant cognitive and sociocultural influences on environmental decision-making, with focus on climate change in South Florida.

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2:00-2:15pm

Break

2:15-4:00pm

Panel and audience discussion with local practitioners and stakeholders from South Florida and Caribbean Islands with participation of IPCC and UM authors.

Moderator: Kenny Broad – UM/RSMAS

Discussion Participants:

Ben Kirtman - UM/RSMAS

Dean el-Khoury - UM School of Architecture

Jayantha Obeysekera (Obey) - SFWMD

John Agard - IPCC

Ursula Oswald-Spring - IPCC

Hans Otto-Pörtner - IPCC

Katherine Hagemann – Miami-Dade County

Thomas Ruppert – Florida Sea Grant College Program