

Smithsonian Climate Change Research Symposium

Preliminary Schedule

S. Dillon Ripley Center, Room 3111

Tuesday May 24, 2011

8:30-8:55AM	Opening – Welcome from Eva Pell, Under Secretary for Science and Christine France, MCI
The Paleontologic Perspective – Indications and Effects of Climate on Ancient Environments	
8:55-9:20AM	William DiMichele – NMNH “Rapid global warming during the Carboniferous ice age, 306 million years ago, and its effects on tropical vegetation”
9:20-9:45AM	Brian Huber – NMNH “Deep-sea paleotemperature changes during the last 50 million years of the Cretaceous Period”
9:45-10:10AM	Scott Wing – NMNH “What happened to plants after >4,000 gigatons of carbon were released and global temperature rose >5 °C”
10:10-10:35AM	<i>Coffee break</i>
10:35-11:00AM	Carlos Jaramillo – STRI “PETM effects on neotropical vegetation”
11:00-11:25AM	Conrad Labandeira – NMNH “The role of oxygen and carbon dioxide in deep-time insect herbivory”
11:25-11:50AM	Ted Maxwell – NASM “The effects of climate change on landscape evolution in the northeast Sahara”
11:50AM-1:00PM	<i>Lunch break</i>
1:00-1:25PM	Anna Kay Behrensmeyer – NMNH “Pleistocene climate change and early humans in the Olorgesailie Basin of southern Kenya”
1:25-1:50PM	Rick Potts – NMNH “Extinction and adaptability in eras of environmental change – the case of human evolution”
1:50-2:15PM	Marguerite Toscano – NMNH “A 10,000 year paleoclimate and sea level record from thick mangrove deposits at Twin Cays, Belize, Central America”
2:15-3:15PM	<i>Poster presentations and Coffee break</i>
Monitoring and Modeling of Atmospheric and Extraterrestrial Influences on Earth’s Climate	
3:15-3:40PM	Laurence Rothman – SAO

	"The Molecular Spectroscopy Archive for monitoring climate change and other environmental issues"
3:40-4:05PM	Scott Paine – SAO "Atmospheric radiometry for astronomy and climate science"
4:05-4:30PM	Justin Kasper – SAO "The role of solar wind in space weather and climate"
4:30-4:55PM	Kelly Chance – SAO "Air pollution and climate change: Spectroscopic measurements of lower atmospheric composition from satellite measurements in the ultraviolet and visible and the potential for continuous geostationary pollution monitoring"

Wednesday May 25, 2011

The Modern Perspective – Effects of Climate Change on Marine and Coastal Environments	
8:30-8:55AM	Torben Rick – NMNH “MarineGEO: a global network for ocean science”
8:55-9:20AM	Whitman Miller – SERC “Ocean acidification: why coastal ecosystems are different”
9:20-9:45AM	Patrick Neale – SERC “Interaction of ultraviolet radiation and climate change effects on aquatic ecosystems”
9:45-10:10AM	Richard Osman – SERC “The interaction of climate change and coastal land use on species invasion and changes in coastal marine communities”
10:10-10:35AM	<i>Coffee break</i>
10:35-11:00AM	Ilka C. Feller – SERC “Patterns of growth and herbivory in mangrove forests: consequences of climate change and nutrient over-enrichment”
The Modern Perspective – Effects of Climate Change on Terrestrial Environments	
11:00-11:25AM	Sean McMahon – SERC “Smithsonian Institution Global Earth Observatory: A plot network approach to monitoring and analyzing forest response to climate change”
11:25-11:50AM	Thomas Mozdzer – SERC “Effects of multiple interacting global change factors on tidal wetlands”
11:50AM-1:00PM	<i>Lunch break</i>
1:00-1:25PM	Bert Drake – SERC “Plants and CO ₂ : Will rising temperatures trump CO ₂ fertilization?”
1:25-1:50PM	Melissa McCormick – SERC “Climate change effects on mycorrhizal associations in the terrestrial orchid <i>Goodyera pubescens</i> ”
1:50-2:15PM	Andrew Johnston – NASM “Urban forest dynamics in the District of Columbia”
2:15-2:40PM	Jonathan Thompson – SCBI “Future climate and land use effects on forest carbon in Massachusetts, USA”
2:40-3:05PM	<i>Coffee break</i>
3:05-3:30PM	Peter Marra – SCBI “Climate change and long-distance migratory birds: carry-over effects and seasonal interactions”
3:30-3:55PM	Melissa Songer – SCBI “Assessing impacts of climate change on giant panda habitat”
3:55-4:20PM	John Kress – Director of the Consortium for Understanding and Sustaining a Biodiverse Planet Closing: Future directions of climate change studies at the Smithsonian

