

NASA National Climate Assessment Center Call and Indicators Team Meeting

April 8-9, 2014
NASA Headquarter, 300 E St. SW, room 2E39, Washington, DC

TUESDAY, APRIL 8

Headquarters welcome and overview from the National Climate Assessment (NCA)

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| 8:30 | Allison Leidner | Welcome and opening remarks |
| 8:40 | Jack Kaye | NASA headquarters welcome |
| 9:00 | Glynis Lough | NCA presentation + questions |
| 9:30 | Melissa Kenney | NCA indicators presentation + questions |

10:00 *Break*

Project talks – Enabling tools for a sustained assessment

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| 10:30 | Duane Waliser | Enabling Regional Climate Model Evaluation: A Critical Use of Observations for Establishing Core NCA Capabilities |
| 10:45 | Rama Nemani/ Weile Wang | NASA Earth Exchange (NEX) |
| 11:00 | Michael Bosilovich | A Reanalysis Synthesis of EOS Observations at Regional Scales to support the National Climate Assessment |
| 11:15 | Michael Jasinski | An Integrated Terrestrial Water Analysis System for the NCA |
| 11:30 | Drew Shindell | Analysis of Climate Drivers and Mitigations Options Within the Energy, Transportation and Agriculture Sectors Using GISS ModelE2 |
| 11:45 | All | Discussion – enabling tools Lead: Duane Waliser |

12:15 *Lunch*

Project talks – Socioeconomic impacts of global change, part I

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| 13:45 | Radley Horton (PI: Cynthia Rosenzweig) | Urban Vulnerability Assessment for the Health and Infrastructure Sectors |
| 14:00 | Natasha Sadoff (PI: Stephanie Weber) | Using NASA Earth Science Datasets for National Climate Assessment Indicators: Urban Impacts of Heat Waves Associated with Climate Change |
| 14:15 | Dale Quattrochi | Development of National Future Heat Scenarios to Enable the Assessment of Climate Impacts on Public Health |
| 14:30 | Paul Stackhouse | Assessing the Impact of Potential Climate Changes on Surface Meteorological and Solar Energy Flux Parameters Relevant to Energy Usage and Efficiency |
| 14:45 | | <i>Break</i> |

Project talks – Socioeconomic impacts of global change, part II

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| 15:00 | Timothy Hall | Hurricane Wind and Inundation Risk on the U.S. Northeast and New York City |
| 15:15 | Jian-Hua (Joshua) Qian | Frequency of Winter Weather Regimes in the US Northeast as an Indicator for National Climate Assessment |
| 15:30 | Alex Ruane | The Agricultural Productivity Indicator Analysis System (APIAS): Tracking the Agricultural Impacts of Climate Variability and Change |
| 15:45 | Christopher Potter | CASA-CQUEST Modeling for Carbon Cycle Assessments in Forested Ecosystems of the United States |
| 16:00 | All | Discussion – socioeconomic impacts; Lead: Allison Leidner |

Concluding remarks

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| 16:45 | Recap for next day |
| 17:00 | Adjourn |

Happy Hour TBD

WEDNESDAY, APRIL 9

Welcome and introductions

8:30 Allison Leidner Opening remarks

Project talks – Global change and water resources

8:45 Thomas Painter Snow and Ice Climatology of the Western United States from MODIS

9:00 Paul Houser Water Cycle Intensification Indicator (WCI)

9:15 Kyle McDonald Development of Integrated Land Surface Water State Indicators for Climate Assessment

9:30 Scott Sheridan Development of a Water Clarity Index for the Southeastern U.S. as a Climate Indicator

9:45 Simon Hook Inland Water Temperature: An Ideal Indicator for the National Climate Assessment

10:00 All Discussion – water resources
Lead: Paul Houser

10:30 *Break*

Project talks – Environmental indicators, part I

11:00 William Koshak Assessing Global Change Impact on the US Using National Lightning Data

11:15 Mark Flanner Cryosphere Radiative Forcing: An Indicator of Climate Feedback and Environmental Change

11:30 Daniel Tong Development and Testing of a Dust Indicator for Climate Assessment in the Western United States

11:45 Harry Stern The Timing of Arctic Sea Ice Advance and Retreat as an Indicator of Ice-Dependent Marine Mammal Habitat

12:00 *Lunch*

Project talks – Environmental indicators, part II

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| 14:00 | Rong Fu | Improving Assessment of Regional Climate Change in Supporting of Regional Resilience to Extreme Climate Events Over the US Southern Great Plains |
| 14:15 | Doug Morton (PI: Jim Collatz) | Assessment of Climate Change Impacts on Fire Activity in the US |
| 14:30 | Matt Jones (PI: Steve Running) | Translating EOS Datasets Into National Ecosystem Biophysical Indicators |
| 14:45 | William Emanuel | Land Cover Indicators for U.S. National Climate Assessments |
| 15:00 | All | Discussion – environmental indicators Lead: Lucia Tsaoussi |
| 15:30 | | <i>Break</i> |

Concluding remarks and discussion

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| 16:00 | All | Synthesis discussion |
| 17:00 | | Adjourn |