

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

BOARD ON ATMOSPHERIC SCIENCES AND CLIMATE

April 20-21, 2009
National Academies - The Keck Center
500 5th Street, NW
Room 105
Washington, DC

PRELIMINARY AGENDA - BOARD (4-7-09)

Monday, April 20-21, 2009

OPEN SESSION

- 9:15 A.M. Project Status Reports
- Climate, Energy, and National Security C. Marshall
 - Ice Sheet Imagery C. Marshall
 - Estimating Greenhouse Gas Emissions A. Linn
 - The Significance of International Transport of Air Pollutants L. Geller
 - Climate Predictability on Intraseasonal to Interannual Timescales M. McConnell
- 10:30 A.M. *Break*
- 10:45 A.M. Project Status Reports Continued
- Climate Research Committee G. Meehl & I. Kraucunas
 - Uncertainty Management in Remote Sensing and Climate Data M. McConnell
- 11:15 A.M. Project Updates (other NRC units)
- National Security Implications of Climate Change for US Naval Forces C. Draper
- 11:30 A.M. Project Status Reports (continued)
- America's Climate Choices (incl. Summit) I. Kraucunas
- 12:00 NOON Working Lunch (project discussions)
- 1:00 P.M. New Project Input Elfring
- "Stabilization Targets for Atmospheric Greenhouse Gas Concentrations"
- Discussion of charge, study goals, schedule, need for innovative approach
 - Opportunity for nominations; form BASC nominations subcommittee
- 1:30 P.M. Discussion: Are We Ready? Climate Lessons from the Next Volcanic Eruption
- T. Busalacchi (moderator)
Alan Robock, Rutgers University
James Hansen, NASA
- 2:45 P.M. *Break*
- 3:00 P.M. Briefings and Discussion of Completed Projects
- "Observing Weather and Climate from the Ground Up" R. Carbone & C. Marshall
 - "Ecological Impacts of Climate Change" A. Johnson
 - "Restructuring Federal Climate Research to Meet the

- Challenges of Climate Change”
- “Informing Decisions in a Changing Climate”

C. Justice & A. Linn
P. Stern

4:30 P.M. GENERAL DISCUSSION

5:15 P.M. **Adjourn**

6:00 P.M. BASC Working Dinner

Tuesday, April 21, 2009

OPEN SESSION

8:00 A.M. Working Breakfast (informal discussions of recent activities)

8:30 A.M. Agency Roundtable: 2009 Opportunities and Challenges (10 minutes each)

- DOE, Wanda Ferrell
- NSF, Jarvis Moyer
- NASA, Jack Kaye
- NOAA, Chet Koblinsky
- NOAA, Don Berchoff
- OFCM, Sam Williamson
- Discussion and Questions

10:00 A.M. *Break*

10:15 A.M. 2009 BASC Summer Study Assorted Board Members, Marshall, Warden
Progress and Priorities of US Weather
Research and Research-to-Operations Activities

10:45 A.M. Discussion: Weather, Climate and Chemistry in Cities
R. Bierbaum and W. Dabberdt (moderators)

- Importance of topic and sample issues S. Rowland
- The Air Pollution – Water Supply Relationship K. Prather
- The Climate Change – Urban Pollution Relationship L. Mickley
- Discussion and ideas for future study

12:00 NOON OPEN FOR COMMENTS AND GENERAL DISCUSSION

12:30 P.M. Working Lunch (board business and project planning)

1:00 P.M. **Open session adjourns.**