

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

Climate Research Committee

Agenda

April 12-13, 2005

**National Academies
Keck Center
500 5th Street, NW
Washington, DC, 20001**

The objectives of this meeting are:

1. Review status of CRC activities and goals;
2. Meet jointly with the Committee on Human Dimensions of Global Change to discuss potential joint activities on climate change decision support;
3. Meet jointly with the Board on Atmospheric Sciences and Climate, CRC's parent entity;
4. Hold a Forum on Seasonal-to-Interannual Climate Forecasts: Current Capabilities and Future Challenges; and
5. Discuss future committee activities.

Tuesday, April 12, 2005

JOINT MEETING WITH COMM. ON HUMAN DIMENSIONS OF GLOBAL CHANGE

OPEN SESSION – ROOM 100

8:00 A.M.	Continental breakfast	
8:30 A.M.	Welcome and Introductions Overview of meeting objectives	Antonio Busalacchi, Jr., <i>CRC Chair</i> Tom Wilbanks, <i>CHDGC Chair</i>
8:40 A.M.	Activities of the CHDGC	Tom Wilbanks, <i>CHDGC Chair</i>
8:50 A.M.	Activities of the CRC	Antonio Busalacchi, Jr., <i>CRC Chair</i>
9:00 A.M.	Analysis of Global Change Assessments – update on study development	
9:15 A.M.	What we know about links between uncertainty and decision support	
10:15 A.M.	Break	
10:30 A.M.	Possible joint projects on uncertainty and decision support	
11:30 A.M.	Other possible joint CRC-CHDGC activities	
NOON	Lunch	

1:00 P.M. Update on recent CCSP developments James Mahoney
Director, U.S. Climate Change Science Program

2:00 P.M. Break

OPEN SESSION – ROOM 201

2:15 P.M. CCSP Synthesis and Assessment Product 1.2: Past climate variability and change in the Arctic and at high latitudes

3:15 P.M. CCSP Synthesis and Assessment Product 1.3: Re-analyses of historical climate data for key atmospheric features. Implications for attribution of causes of observed change

4:15 P.M. Break

4:30 P.M. Planning for Fall CRC meeting

- US involvement in WCRP
- WCRP COPES as a strategic framework for climate research

5:30 P.M. Adjourn

6:00 P.M. Committee Dinner

Wednesday, April 13, 2005

JOINT SESSION WITH THE BOARD ON ATMOSPHERIC SCIENCES AND CLIMATE

OPEN SESSION – ROOM 100

- 8:00 A.M. Continental breakfast
- 8:30 A.M. Welcome and Introductions Robert Serafin, *BASC Chair*
Antonio Busalacchi, Jr., *CRC Chair*
- 8:45 A.M. Oversight for ongoing ad hoc projects
- Metrics for Global Change Research Anne Linn
 - NOAA Climate Data Records Amanda Staudt
 - Review of the GAPP Science and Implementation Plans Chris Elfring
 - Review of the CCSP Synthesis and Assessment Chris Elfring
- Product on Temperature Trends in the Lower Atmosphere
- 9:15 A.M. Briefing of recently released reports
- Radiative Forcings of Climate Change: Amanda Staudt
Expanding the Concept and Addressing Uncertainties
 - BASC Summer Study on Coupled Models Kerry Emanuel/Julie Demuth
- 10:00 A.M. Break
- 10:15 A.M. Update on Earth Science and Applications Art Charo
from Space: A Decadal Survey Space Studies Board
- 10:45 A.M. New ad hoc projects
- Analysis of Global Change Assessments Amanda Staudt
 - Climate Change and Transportation Nan Humphrey
 - Climate Change in Asia: Dan Walker
Implications for Regional Stability
- 11:30 A.M. Update on recent CCSP developments Richard Moss
Director, Climate Change Science Program Office
- 12:30 P.M. Lunch

FORUM
**Seasonal-to-Interannual Climate Forecasts:
Current Capabilities and Future Challenges**

Since the close of the Tropical Ocean Global Atmosphere (TOGA) program in 1994, routine, if not operational, seasonal-to-interannual climate forecasts are being issued by a number of numerical weather prediction centers around the world. Most of the initial focus has been on ENSO, but recent routine forecasts include the effects of soil moisture and other boundary forcing. There has not yet been a rigorous assessment of the present skill in seasonal-to-interannual climate forecasts. Without such an assessment, it is difficult to develop a national strategy that includes basic research, applied research, and application of climate forecasts in direct support of the delivery of climate services.

Seasonal-to-interannual predictions are intimately linked to the goals of the CCSP. Developing, communicating, and assessing the utility of current regional climate forecasts on these time scales is a prerequisite to developing meaningful regional climate projections within the context of future climate scenarios. The NRC Review of the U.S. Climate Change Science Program Strategic Plan stated that a national strategy for seasonal to inter-annual climate predictions is lacking and that a more effective approach will be necessary for successful delivery of climate services.

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| 1:15 P.M. | Introduction | Antonio Busalacchi
<i>Chair, Climate Research Committee</i> |
| 1:30 P.M. | Presentations by the panelists | |
| | Dr. Huug VandenDool, NOAA Climate Prediction Center
Dr. Michele Rienecker, NASA Goddard Space Flight Center
Dr. Neil Ward, International Research Institute for Climate Prediction (IRI) | |
| 3:00 P.M. | Panel discussion | |
| 3:45 P.M. | Break | |
| 4:00 P.M. | Brainstorming on future joint BASC-CRC activities | |
| | <ul style="list-style-type: none">• Seasonal-to-Interannual Forecasts• Paleoclimate• Oceans and Climate• Models and Observations• Regional Climate Models• Scientific Accomplishments and Societal Contributions of Earth Observations from Space | |
| 5:30 P.M. | Adjourn | |
| 6:30 P.M. | Dinner for BASC and CRC members | |