

**Climate Board Retreat
May 21-22, 2007
Chicago O'Hare Airport Hilton**

Draft Agenda

Meeting Theme: A strategy for climate services

Overarching Questions:

- What emerging societal demands for climate information services are (or should be) within NOAA's authority and responsibility?
- What climate information services should NOAA pursue?
- What capabilities are required to deliver those services, and what is the impact of pursuing them on the Climate Goal as a whole?

Objectives

- Consider emerging frontiers in climate science and service
- Examine the Climate Goal strategy and consider alternative strategies to address the growing demand for climate services
- Develop path forward to create a framework for a national climate service
- Evaluate program near-term priorities in the context of climate service development

Approach

- A position paper addressing many of the questions and issues will be provided to attendees prior to the workshop.
- Meeting will be carried out through a series of panel discussions
- Panel discussions will be led by NOAA program managers who will chair or co-chair. Co-Chair/Chair will outline current and potential future NOAA Program directions and priorities capabilities, followed by asking panelists to address panel questions (shown below). Discussion with workshop attendees will follow.

Monday, May 21

12:00 PM – 1:00 PM **Registration and Lunch**

1:00 PM – 1:30 PM **Opening remarks – Koblinsky**

- The NOAA Climate strategy – the playing field today and tomorrow, emerging drivers, challenges

1:30 PM – 2:30 PM **Plenary speaker – Ramaswamy**

- "Research Frontiers for Climate Science"

2:30 PM – 3:00 PM **Break**

3:00 PM – 5:00 PM **Frontiers for NOAA climate research: Toward a science-based climate service**

Co-Chairs: Ravishankara, Delworth [Panel: Busalacchi, Dole, MacDonald]

- What is the role of research in a national climate service?

- What are the most significant opportunities to enhance Earth system modeling, and which of these best relate to NOAA's climate mission?
- What is NOAA's role in the detection and attribution of extreme or abrupt events, and what research is needed to support this role? What products and services will NOAA provide? What research is needed to develop these products
- How should NOAA balance investments in high performance computing, high-resolution models, and observational systems?

5:00 PM – 5:30 PM **Report from CWG review of COA – Karl**

- Monitoring the state of the climate as a service
- What are the most mission critical satellite climate information products and services; what are the consequences of those gaps for NOAA products and services?
- What investments are required by NOAA to ensure that existing and emerging data management systems can deploy new “service-oriented” data management approaches (e.g., service-oriented architecture and web service capabilities) that allow users to make connections between distributed and heterogeneous elements of diverse environmental data sets?

5:30 PM **Adjourn**

5:30 PM – 6:00 PM **Executive Session – Program Managers and CPO**

7:00 PM – 10:00 PM **Reception and Dinner** (location TBD)

- Dinner speaker – Michael J. Walsh, Ph.D., Executive Vice President, Chicago Climate Exchange

Tuesday, May 22

8:00 AM – 8:15 AM **Announcements**

8:15 AM – 10:15 AM **The changing landscape for climate information**

Chair: Rosen [Panel: Janetos, Karl, Mahoney, Miles, Uccellini]

- What emerging demands for climate services are (or should be) within NOAA's authority and responsibility?
- What are NOAA's boundaries in the changing landscape for climate information, and how should NOAA partner with others across those boundaries?
- Are the imperatives for integrating research and operations changing, and how should NOAA respond?
- What should be the roles and responsibilities of a national climate service

10:15 AM – 10:30 AM **Break**

10:30 AM – 11:15 AM **Briefing on IPCC WG2 – Barrett, Pulwarty**

- Findings and future directions in climate impacts, vulnerability, and adaptation

11:15 AM – 12:30 PM **Climate impacts, vulnerability, and adaptation**

Co-Chairs: Barrett, Osgood [Panel: Davidson, Janetos, Nierenberg, Miles]

- What are the nation's most important vulnerabilities to climate change and variability, and what is NOAA's role in responding to these?
- What should NOAA's priorities be to address the evolving demand for climate information to support regional adaptation and mitigation strategies?
- What are the perceived products and services needed to understand and respond to climate-ecosystem interactions? What research is necessary to develop these?

12:30 PM – 1:30 PM **Lunch**

1:30 PM – 3:15 PM **Decision support and climate services**

Co-Chairs: Kumar, Horsfall [Panel: Robinson, Ropelewski, Shea]

- What emerging demands for climate services are (or should be) within NOAA's authority and responsibility?
- What climate services should NOAA pursue?
- What capabilities are required to deliver those services, and what is the impact of pursuing them on the Climate Goal as a whole?
- What is NOAA's distinct role in responding to societal demands for information services that support hazard-resilient communities and their economic base? Given this role, what information and management services should NOAA pursue? What capabilities are needed to deliver those services?

3:15 PM – 3:30 PM **Break**

3:30 PM – 4:30 PM **Wrap-up – Koblinsky**

- Strategy for framing a national climate service
- Next steps and path forward

4:30 PM **Adjourn**