

## Climate Working Group (CWG)

### TERMS OF REFERENCE

The CWG, in its role as a sanctioned working group of the NOAA Science Advisory Board (SAB), advises the SAB on the condition and capabilities of NOAA's climate activities and supporting NOAA infrastructure of observing systems, data management systems, high performance computing, ships, aircraft, and facilities. When appropriate, it submits formal reports to the SAB that identify current issues, recommendations, and proposed initiatives.

To provide scientific advice and direction to NOAA's climate program, in the context of national and international activities. The CWG will advise on the broad science and service components of the climate program, as well as on the underlying observations and data management issues. The CWG will advise on programmatic directions and recommend priorities on a continuing basis. Under normal circumstances, the CWG will meet at least twice a year to provide advice and recommendations to the climate program

1. Bring to the SAB a broad view of national and international climate research and service activities, their implications for monitoring and modeling requirements, and recommendations to help strengthen NOAA's climate program.
2. Advise on broad scientific programmatic guidelines for NOAA dealing with climate observations and understanding, forcing, predictability, impacts, projections, assessments, communication/education, informing decisions, and recognizing the information needs of public and private decision makers at national and regional scales.
3. Provide guidance on ways for NOAA to interact constructively with other agencies or organizations in promoting high quality climate observations, monitoring, modeling, and research as well as guidance on interacting with the broader climate services enterprise (private sector, NGOs etc.).
4. Recommend approaches to better relate ongoing NOAA climate activities, plans, and institutional arrangements to the goals of the U.S. Global Change Research Program, World Climate Research Program, Intergovernmental Panel on Climate Change, and similar activities.
5. Remain informed about the status of current and proposed climate observing, modeling, and data management systems including integrated and optimal strategies for these systems and activities.
6. Advise SAB to insure high quality climate science, services, and the transition of new science into services, directly and through various *ad hoc* and standing committees.

7. Recommend effective mechanisms for regional analysis and information on climate variability and change and foster linkages to societal decision frameworks.
8. Provide advice on the integrated activities needed to meet the goals of the climate program and the provision of effective services.

The CWG shall be composed of outstanding scientists and leaders with a broad interest in NOAA climate program. Working group members will be appointed for three-year terms with the opportunity for one additional term. The working group will provide suggestions of new candidates annually to the NOAA Science Advisory Board for consideration.

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