



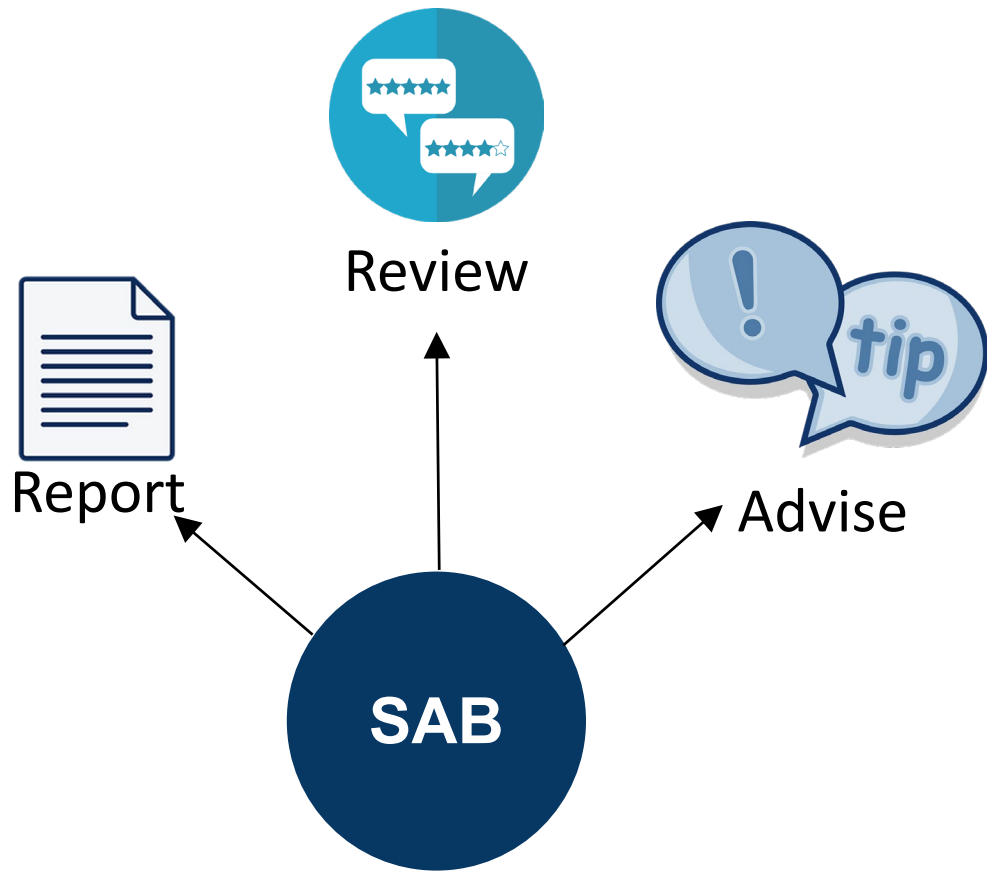
Science Advisory Board

Data Archiving and Access Requirements Working Group

Science Advisory Board Overview and DAARWG History

Cynthia J. Decker, Ph.D,
Executive Director, NOAA SAB

Purpose and Background of the SAB



The only NOAA federal advisory committee to advise across all lines, strategic councils, & offices.

- ❑ History: created in 1997 by the Under Secretary (J. Baker); first convened in 1998
- ❑ Membership: ~15 members; 3-yr term renewable once; nominated by Under Secretary; 3 in-person meetings per year; remote meetings as needed
- ❑ SAB Office: Executive Director, 2 full-time staff, 1 part-time staff
- ❑ Website: sab.noaa.gov; includes all meeting documents, reports, and information on working groups

SAB Website: sab.noaa.gov

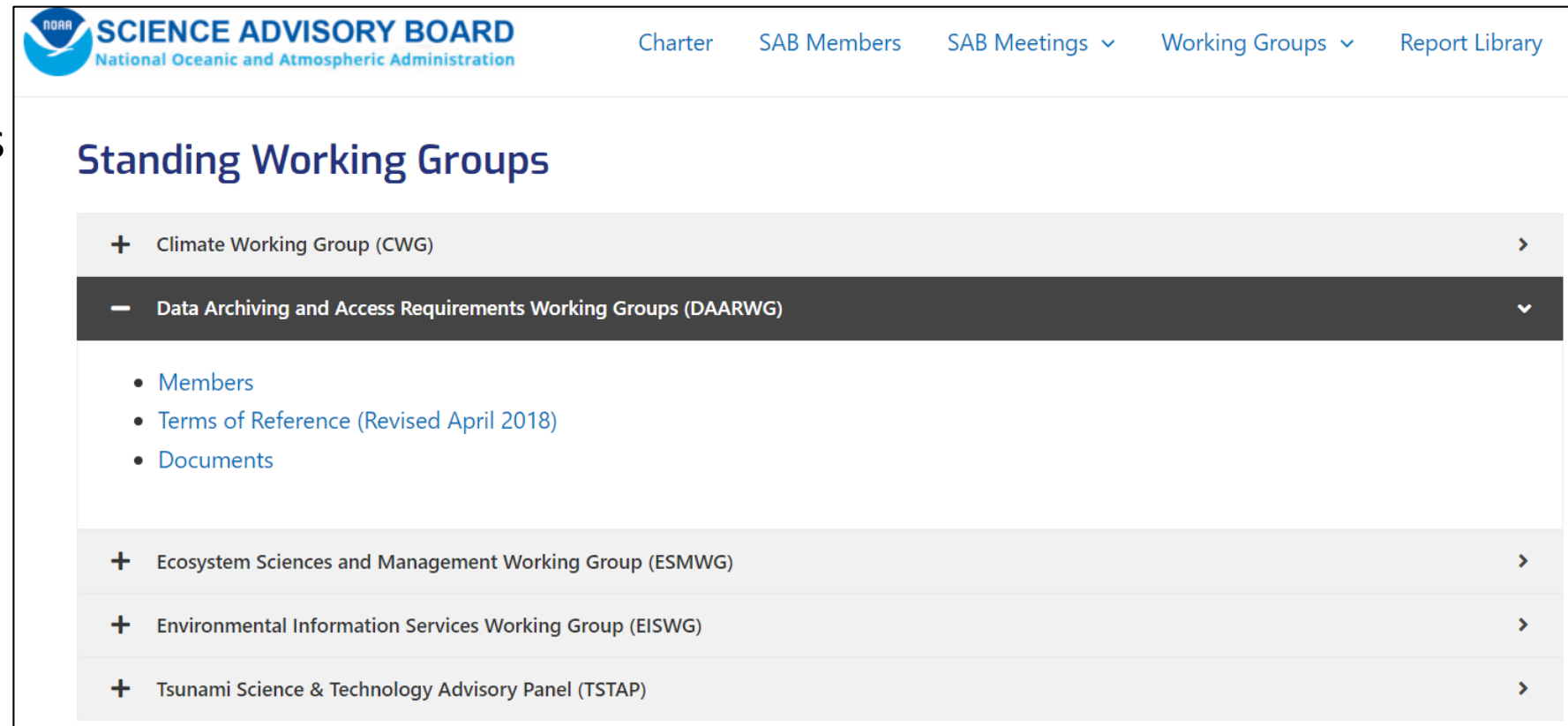
□ SAB

- Members
- Meeting Details
- Meeting Documents

□ Working Groups

- Members
- Reports
- Terms of Reference

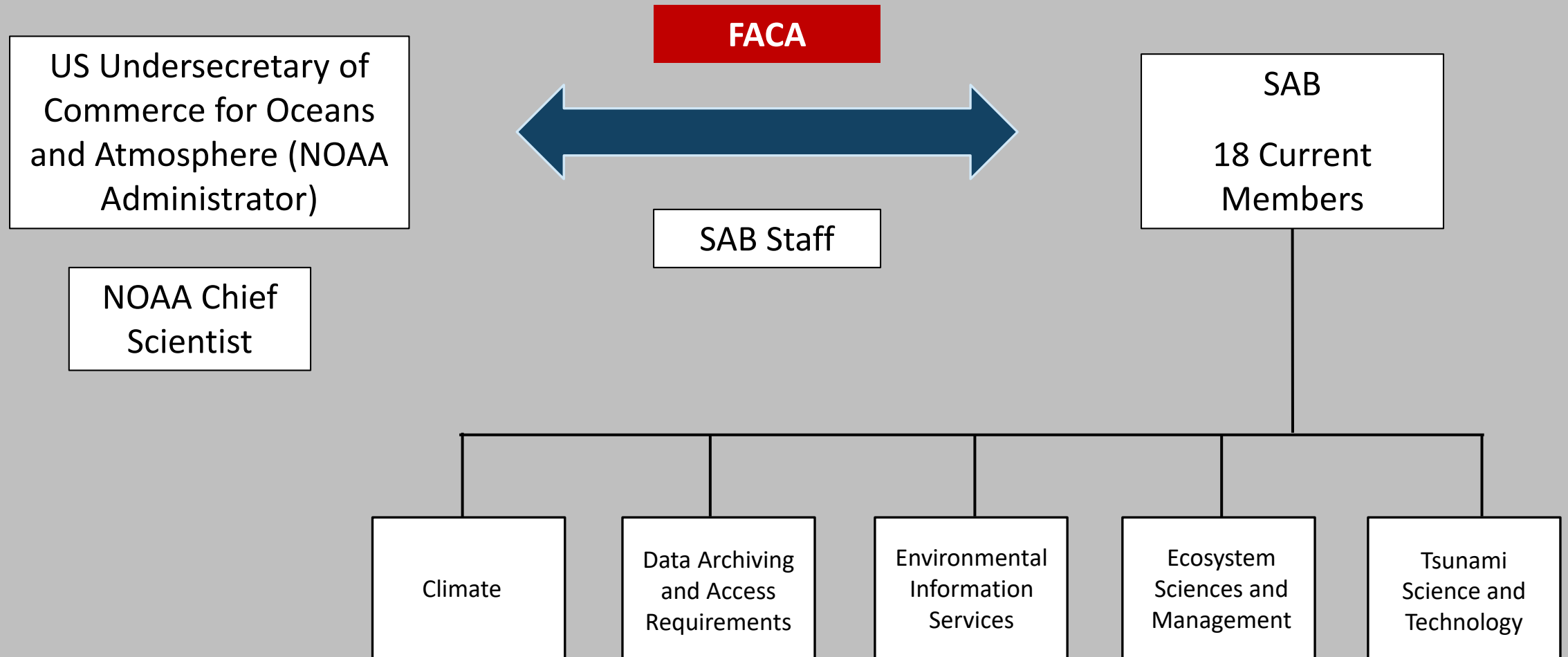
□ Report Library



The screenshot displays the Science Advisory Board (SAB) website. The header includes the NOAA logo, the text "SCIENCE ADVISORY BOARD National Oceanic and Atmospheric Administration", and navigation links for "Charter", "SAB Members", "SAB Meetings", "Working Groups", and "Report Library". The main content area is titled "Standing Working Groups" and lists several groups with expandable options:

- Climate Working Group (CWG) (expanded)
- Data Archiving and Access Requirements Working Groups (DAARWG) (expanded)
 - Members
 - Terms of Reference (Revised April 2018)
 - Documents
- Ecosystem Sciences and Management Working Group (ESMWG)
- Environmental Information Services Working Group (EISWG)
- Tsunami Science & Technology Advisory Panel (TSTAP)

The SAB in NOAA



Importance of the SAB

- ❑ Reports directly to the Under Secretary
- ❑ Executive Director works directly with the Chief Scientist & Deputy Under Secretary to identify issues
- ❑ Assistant Administrators & Strategic Council Chairs look to the SAB for high-level advice
- ❑ All of the above attend the meetings and provide feedback on reports and recommendations

NOAA SAB Working Groups

The NOAA Science Advisory Board is called upon to provide advice to NOAA on a wide variety of topics important to the agency. Because of the breadth of subject matter that the group addresses, they frequently consult with additional experts on specific topics. To that end, there are four standing SAB working groups:

- ❑ Data Archiving and Access Requirements Working Group (DAARWG)
- ❑ Ecosystem Sciences and Management Working Group (ESMWG)
- ❑ Environmental Information Services Working Group (EISWG)
 - ❑ Tsunami Science and Technology Advisory Panel
- ❑ Climate Working Group (CWG)

How working groups interact with the SAB

- ❑ The SAB develops an annual Work Plan.
- ❑ Working groups are involved in the Work Plan topic development.
- ❑ Working groups typically get assignments for drafting reports on portions of the work plan topics.
- ❑ Working groups report back to the SAB periodically, present a final report.
- ❑ The SAB accepts a working group report and forwards it to NOAA for a response.
- ❑ Final reports are published on the SAB website.

DAARWG Members



Jeff de La Beaujardiere
Chair



Aimee Barciauskas
Development Seed



Annie Burgess
ESIP



Ethan Davis
UCAR



Rob Emanuele
Microsoft



Shane Glass
Google



Mike Gremillion
University of Alabama



Joe Hamman
Earthmover PBC



Thomas Huang
NASA



Kerstin Lehnert
Columbia University



Maggie Levenstein
University of Michigan



Ana Pinheiro-Privette
Amazon

Others involved with the DAARWG

SAB Office

- ❑ **Dr. Cynthia Decker** – NOAA SAB Executive Director
- ❑ **Courtney Edwards** – SAB Staff

NOAA Liaisons

- ❑ **Adrienne Simonson** – OCIO, Chair, NOAA Data Governance Committee
- ❑ **Tony LaVoi** – NOAA Chief Data Officer

SAB Liaisons

- ❑ **Ilene Carpenter** – Director, Earth Sciences Segment Manager, Hewlett Packard
- ❑ **Chris Lenhardt** – Domain Scientist RENCi, UNC Chapel Hill

The role of the DAARWG

As a sanctioned working group of the NOAA SAB, the DAARWG:

- ❑ Advises the SAB on the capabilities of NOAA to preserve and allow access to all forms of data (as defined in NAO 212-15)
- ❑ Submits formal reports to the SAB that identify current issues, deficiencies, recommendations for remedial action, and proposed initiatives

The DAARWG will:

1. Evaluate data archiving and access requirements and technical approaches from all of NOAA's observing systems and computational models, as well as NOAA-funded extramural data.
2. Recognizing that, since the establishment of DAARWG in 2006, a large majority of NOAA data are now being archived at NCEI, encourage and assist in prioritizing observations and model outputs that NOAA should archive, including appropriate non-NOAA data from other federal or non-federal sources relevant to the NOAA mission.

The DAARWG will:

3. Make recommendations with respect to data access for research, commercial, and public purposes consistent with mandates including NAO 212-15, DGC Directives, and White House guidance such as the US Open Data Policy (OMB Memorandum M-13-13m 2013) and the OSTP Memorandum on Public Access to Federally-Funded Research Results (2013, updated 2022), as well as the Evidence Act.
4. Encourage and advise on implications and adoption of relevant new technologies, such as advanced analytics, or the widespread availability and advances in Cloud computing
5. Consider emerging issues such as the archiving and accessibility of data-related products including numerical model codes, data processing algorithms, and metadata about physical specimens and biological samples.

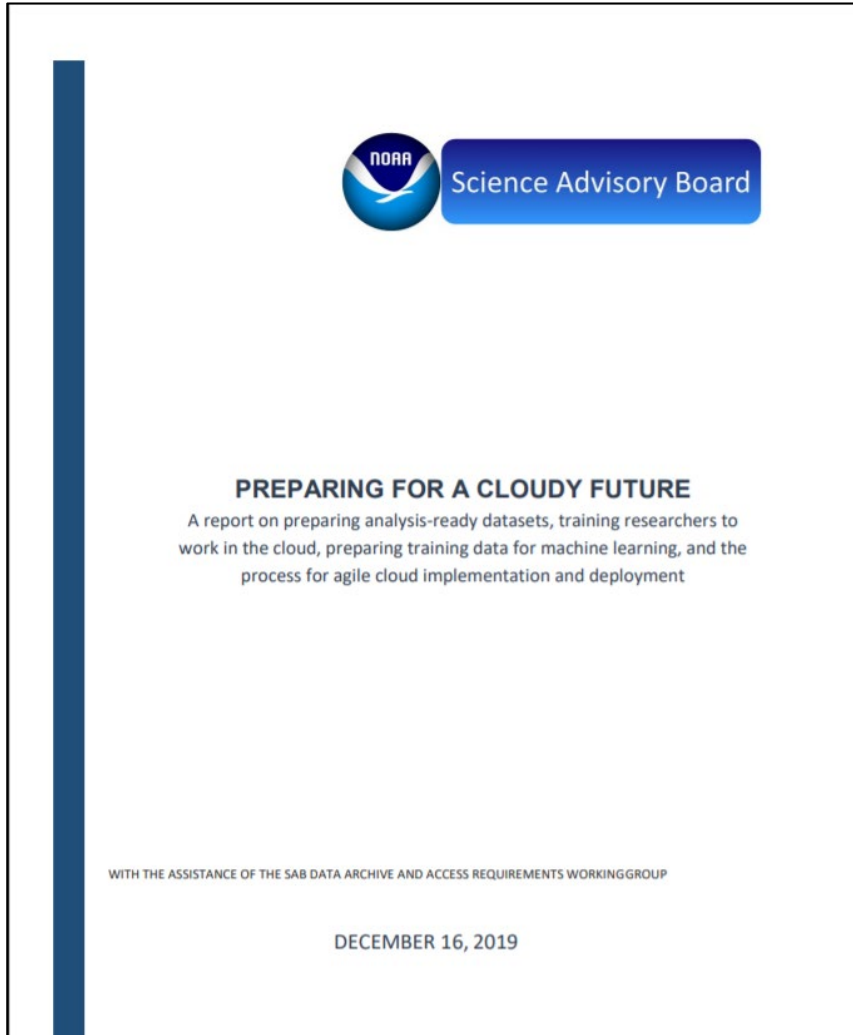
The DAARWG will:

6. Establish and dissolve subgroups, as appropriate, that address specific issues related to the topics above.
7. Report at a minimum of once per year to the NOAA Science Advisory Board regarding NOAA's current capabilities and opportunities in data archiving and data access.

DAARWG members will

- Be appointed for three-year terms on a rolling and randomized basis with the opportunity for one additional term
- May be extended for one year beyond two terms
- Shall be composed of 8-13 members
- Provide suggestions of new candidates annually to the NOAA SAB for consideration
- Convene at least 2 times per year, at least one time in person

Past DAARWG Work



[Preparing for a Cloudy Future Report](#) (Dec 2019)

[Recommendations Concerning the NOAA Data Strategy Implementation Plan](#) (March 2021)

[Recommendations Concerning the NOAA Cloud Strategic Plan Actions](#) (March 2021)

Upcoming DAARWG Work

- NESDIS Cloud Archive Program (NCAP)

Questions?