



# Climate Working Group (CWG) SAB June 2024 Meeting



## Working Group Overview

**Co-Chairs:** Michael Anderson and Cecilia Bitz

**SAB Liaisons:** Don Wuebbles and Chelle Gentemann

### **Membership:**

- 9 members total
- Terms in 2024:
  - Renewing: Susan Fischer Wilhelm, Alicia Karspeck, Dennis Lettenmaier, Tamara Wall, LeRoy Westerling

## Activities Since March 2024 SAB Meeting

- Held second virtual All-Hands on June 5th to discuss potential topics for August in-person meeting
- Recruited new members
- Planned in-person meeting in Seattle, WA August 22-23, 2024
- Michael is CWG rep for SAB AI Steering Committee

## Scope and Focus of Current Efforts

- Develop workplan
- Continue recruiting new members
- Select topics to pursue
- Continue planning in-person meeting in Seattle, WA August 22-23, 2024

## Future

- Onboard new members
- Explore new topics of interest
- Continue to collaborate with other working groups, as appropriate
- Continue to comment on NOAA's climate portfolio programs, as requested
- Continue to deliver informed recommendations per the CWG work plan



# Data Archiving and Access Requirements Working Group (DAARWG) SAB June 2024 Meeting



## Working Group Overview

**Co-Chairs:** James Sims and Aimee Barciauskas

**SAB liaisons:** Ilene Carpenter, Chris Lenhardt

**NOAA Liaisons:** Tony LaVoi (NOAA CDO), Jessica Morgan (NESDIS)

### **Membership:**

- 13 current members
- 5 new members in 2023 and early 2024
  - Dr. Stephanie Carroll
  - Dr. James Sims
  - Dr. Kjiesten Fagnan
  - Dr. Shanondora Billiot
  - Dr. Hannah Kerner
- James Sims joined as a new member and co-chair

## Activities since March 2024 SAB meeting

- Artificial Intelligence (AI) at NOAA
  - James is representing the DAARWG in the SAB AI Steering Committee.
  - James participated in the NOAA/OSTP AI4NWP Workshop
- Multi-cloud strategy
  - A subgroup is working on the “NOAA Multi-Cloud Strategy to Improve Data Access” issue brief and scoping possible recommendations.
- NOAA Public Access to Research Results (PARR) update and discussion on draft policy implementation
- DAARWG members attended sessions of the NOAA Enterprise Data Management Workshop

## Scope and Focus of Current Efforts

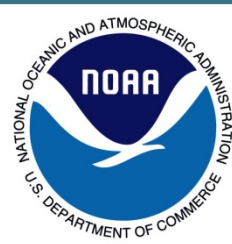
- NOAA’s multi-cloud strategy
- AI ready data and data access
- SAB AI Steering Committee
- DAARWG in-person meeting July 9-10, 2024 in Seattle, WA at the Pacific Marine Environmental Lab (PMEL)
- Regular engagement with NOAA Line Office Assistant Chief Data Officers (ACDOs)

## Future

- Data Equity and Indigenous Knowledge
- Fisheries Data Modernization Effort
- NOAA’s next generation Data Strategy
- Discussions on what a Data Assessment looks like for NOAA to further support its mission and stakeholder needs



# Environmental Information Services Working Group (EISWG) SAB June 2024 Meeting



## Working Group Overview

**Co-Chairs:** Brad Colman and Scott Glenn

**Membership:**

- 18 current members (Congress requires 15)
- 3-year renewals approved for 5 members at end of 2023

**SAB Liaisons:** Zhaoxia Pu and David Grimes

**NOAA Liaisons:** Cindy Eisenheimer (NWS), Carmen Davila (OAR), Carl Gouldman (NOS), Martin Yapur (NESDIS)

**EISWG TSTAP Liaison:** Jeremy Berman

## Activities since March 2024 SAB meeting

- Discussing new EISWG Focus Areas for 2024:
  - Long list of candidate topics developed at EISWG in-person meeting - prioritization in process (virtually)
- Preparing Advertisement for new Members & Co-Chair
- Tom Hamill, EISWG Member, participated in the NOAA and OSTP Artificial Intelligence and Machine Learning (AI/ML) workshop last month

## Scope and Focus of Current Efforts

**EISWG Focus Areas - Carry over from 2023:**

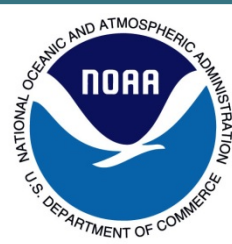
- Deep Learning in NWP: new topic started late 2023; plus additional investigation in coordination with the SAB AI task team
- Water/Drought: Membership evolving
- Heat & Human Health: In discussions with SMEs
- Space Weather Follow Up

## Future

- Steve Thur (OAR AA) to participate in the June 25th EISWG meeting
- Identify/respond to additional membership needs:
  - fill social scientist gaps soon
  - fill co-chair positions in 2024 & 2025
  - explore new areas (e.g. economic impacts)
- Advertise for new Members & Co-Chair
- Explore how EISWG can help address Earth System obs, forecasting and communication needs
  - E.g. RadarNEXT, value & return on investment; Norman, OK, EISWG meeting



# Ecosystem Sciences and Management Working Group (ESMWG) SAB June 2024 Meeting



## Working Group Overview

**Chairs:** Molly McCammon, Beth Turner, and Jason Landrum

**SAB liaisons:** Jon Allan and Steve Weisberg

**NOAA Liaisons:** Cisco Werner (NMFS); Mark Monaco (NOS); Paul DiGiacomo (NESDIS); Jon Pennock (OAR)

## **Membership**

- 10 Total Members, including 5 new members
- Terms in 2024:
  - Ending: Lisa Wainger
  - Extending: Molly McCammon
  - Renewing: Lynette Cardoch, Manuel Mejia, John Vavrinec

## Activities since March 2024 SAB meeting

- Developed recommendations to NOAA for the National Biodiversity Strategy
- Added 2 co-chairs
- Held information gathering session on April 29th regarding the use of AI in NOAA ecosystem research
- Developed comments & recommendations to NOAA for mCDR Fast Track Action Committee

## Scope and Focus of Current Efforts

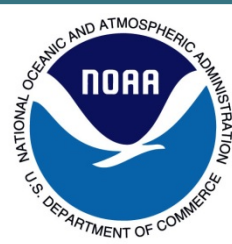
- Consider collaboration with CWG on mCDR and on potential use of downscaled climate models for informing ecosystem impacts
- Recruit new members: priorities are economist and Indigenous representative

## Future

- Continue to seek new members and expertise
- Start reports on topics of interest, especially relating to AI, mCDR & biodiversity
- Explore potential topic of ecosystem indicator dashboards & report cards
- Collaborate with other WGs to provide ecosystem advice as needed
- Arrange for regular meetings with NOAA Chief Scientist Dr. Sarah Kapnick



# Tsunami Science & Technology Advisory Panel (TSTAP) SAB June 2024 Meeting



## Panel Overview

**Co-Chairs:** Corina Allen and Carrie Garrison-Laney

**Membership:**

- 8 members total
- USGS Liaison left due to time constraints and we are working on a replacement
- Corina Allen will transition to a new role in July

## Activities since March 2024 SAB meeting

- Met in Honolulu, HI to discuss tsunami research with PTWC, HI-EMA, University of HI, and ITIC, among other offices
- Monthly briefings and discussions in accordance with TSTAP's work plans, including follow-up discussions actions related to TSTAP quadrennial report recommendations
- Transmitted 2023 Annual SAB Report and white paper on tsunami alerting for complicated waterways
- **Waiting on a decision on proposed updates to the TSTAP Terms of Reference**

## Scope and Focus of Current Efforts

- Monthly meetings covering topics outlined in the 2023-2024 TSTAP work plans including items such as: NTHMP progress on TSTAP recommendations, briefing with NWS' Marine, Tropical and Tsunami Services Branch Chief Greg Schoor on NWS updates to TSTAP, AI for tsunami detection and forecasting, In-Person meeting follow-up
- TSTAP Statement on NTHMP Support

## Future

- Continue monthly virtual meetings
- Complete 2024 annual SAB update report
- Further briefings as prioritized in the 2024 TSTAP Work Plan
- Co-chair rotation process