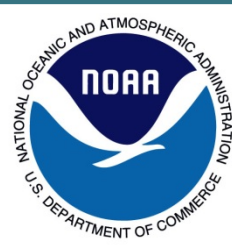




# Climate Working Group (CWG)

## March 2024



### Working Group Overview

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

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

### **Membership**

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

### Activities Since the November 2023 SAB Meeting

- Transmitted the white paper, *Organizing US Civilian Operational Oceanography Forecasting Services*
- Co-Chairs Dr. Joellen Russell and Dr. Kirstin Dow stepped off
- Welcomed new Co-Chairs, Dr. Michael Anderson and Dr. Cecilia Bitz
- Held first virtual All-Hands on March 8th to discuss direction of the CWG for 2024 and beyond

### Scope and Focus of Current Efforts

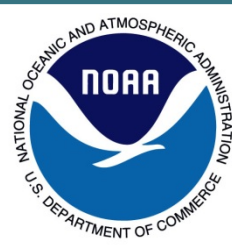
- Develop workplan
- Recruit new members
- Consider collaboration with ESMWG on mCDR and on potential use of downscaled climate models for informing ecosystem impacts
- Select topics to pursue
- Consider holding an in person meeting in summer 2024

### Future

- Recruit 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) March 2024



## Working Group Overview

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

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

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

### **Membership:**

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

## Activities since November 2023 SAB meeting

- Artificial Intelligence (AI) at NOAA
  - Chairs attended 2 meetings of the SAB WG Chairs/Liaisons AI Steering Committee.
  - James is participating in the SAB AI steering committee effort which is targeted delivering its draft prospectus March.
- Multi-cloud strategy
  - A subgroup is working on the “NOAA Multi-Cloud Strategy to Improve Data Access” issue brief and scoping possible recommendations.

## Scope and Focus of Current Efforts

- Continue on issue brief focused on NOAA’s multi-cloud strategy
- Contributing to the SAB AI prospectus, researching AI ready data, and the concept of an AI ready data repository
- Request additional briefings from NOAA as needed.

## Future

- Encourage DAARWG members to attend NOAA’s Enterprise Data Management Workshop in May.
- Planning an in-person meeting in FY2024
- Regular engagement with NOAA Line Office Assistant Chief Data Officers (ACDOs)
- NOAA’s Public Access to Research Results policy and implementation



# Environmental Information Services Working Group (EISWG) March 2024



## Working Group Overview

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

### **Membership:**

- 18 members currently; Congress requires 15
- 5 members with 3-year renewals approved at end of 2023

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

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

**TSTAP Liaison:** Jeremy Berman

## Activities since November 2023 SAB meeting

- Two EISWG Reports approved at the November Meeting:
  - Gap-filling Radar; NESDIS Observing System Backbone
- Reviewed the TSTAP Annual Report
- Follow up, and confirmation, on ngGONG letter to NSF

### **EISWG in-person Meeting - Boulder 28-29 Feb 2024**

- Members discussion - State of the EISWG & 2024 Work Plan
- Conversations with NWS and NESDIS AAs on their priorities
- Visit and discussion with the Fire Weather TestBed, HS/IDSS Engine, Space Weather, and local Weather Forecast Office
- Presentations and discussions on Social Science and Heat & Human Health - information gathering for ongoing activities

## Scope and Focus of Current Efforts

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

- Deep Learning in NWP: new topic started late 2023; plus coordination with SAB AI group
- Water/Drought: Membership evolving
- Heat & Human Health: In discussions with SMEs
- Systematic Forecast Errors/Machine Learning: Not currently active, still a possibility

### **EISWG Focus Areas - New for 2024:**

- Long list of candidates developed at EISWG in-person meeting - prioritization to follow virtually

## Future

- 2024 Report to Congress
- 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) March 2024



## Working Group Overview

**Chair:** Molly McCammon

**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 the Fall 2023 SAB meeting

- Held in-person meeting December 7-8, 2023 in Silver Spring, MD; panels on mCDR, the socio-economic impacts of HABs, and coastal resiliency and discussion of use of AI tools and NOAA's role in scaling from research projects to operational systems

## Scope and Focus of Current Efforts

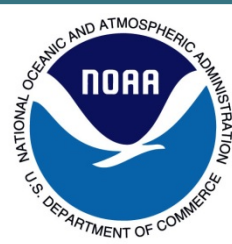
- Develop recommendations to NOAA for the National Biodiversity Strategy
- Develop recommendations to NOAA for the mCDR Fast Track Action Committee
- Consider collaboration with CWG on mCDR and on potential use of downscaled climate models for informing ecosystem impacts
- Recruit new members: priorities are economist and Indigenous representatives
- Identify 2 new co-chairs for succession planning
- Hold information gathering session in April on how NOAA programs currently use AI

## Future

- Continue to seek new members and expertise
- Start reports on topics of interest
- Explore potential topic of ecosystem indicators
- 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) March 2024



## Panel Overview

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

**Membership:**

- 8 members total

## Activities since November 2023 SAB meeting

- Monthly briefings and discussions in accordance with TSTAP's 2023 and 2024 work plans, including follow-up discussions actions related to TSTAP quadrennial report recommendations
- White paper on tsunami alerting for complicated waterways
- Reviewed and 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: communities vulnerable to tsunami, NTHMP progress on TSTAP recommendations, briefing with NWS AFSO Director Allison Allen, AI for tsunami detection and forecasting
- Preparing 2023 annual SAB Update Report.

## 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.
- Planning for next in-person meeting at the Pacific Tsunami Warning Center in May 2024.