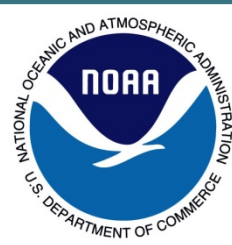




# Climate Working Group SAB July 2019 Meeting



## Working Group Overview

**Chair/Co-Chairs: Knight and Russell (interim)**

**NOAA SAB liaison(s): Kalnay and Joseph**

**Membership (vacancies, expertise, timing of approval):**

- Renewed: Fu, Fleming, Knight (March 2021).
- Renewed for 1 additional year: Zhang, Roemmich, Dupigny-Giroux (March 2020).
- Submitting requests for second term: Russell, Dow, Ravishankara (May 2022).
- Recommending new members for: Leung, Mote, Murtugudde, Bretherton.

## Activities since April 2019 SAB meeting

- Planned and held the virtual Spring Meeting.
- Finalized the topics, content, and approach for developing a white paper.
- Discussed a potential collaboration with EISWG to review S2S Reports from NOAA to Congress.
- Finalized dates for the Fall 2019 in-person meeting.
- Submitted a membership package to the SAB with: four candidates for replacement positions; 4 alternate candidates; and a co-chair replacement candidate.

## Scope and Focus of Current Efforts

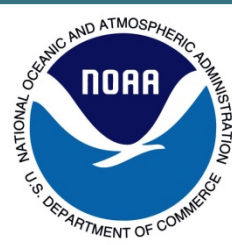
- Develop a white paper that will review current capabilities and future opportunities for Subseasonal-to-Seasonal-to-Decadal (S2S2D) forecasting.
- Pending collaboration with EISWG to review S2S Reports from NOAA to Congress.
- Provide comments on NOAA's climate-related programs as requested by the NOAA Climate Team.

## Future

- Update the SAB at the July meeting in Seattle.
- Prepare white paper for submission to the SAB by the end of 2019.
- Develop the content for the Fall 2019 in-person meeting, and coordinate with NOAA partners on presentations.
- Continue to collaborate with the EISWG.
- Continue to comment on NOAA's climate-related programs as requested by the NOAA Climate Team.



# Data Archive and Access Requirements Working Group SAB July 2019 Meeting



## Working Group Overview

**Acting Chair:** Chelle Gentemann (pending approval)

**NOAA SAB liaison(s):** Robert Grossman

**Membership (vacancies, expertise, timing of approval) :**

expertise gaps: industry, open science, big data, artificial intelligence (AI), and data science

**NOAA Liaison:** Ed Kearns (NOAA CDO)

## Activities since April 2019 SAB meeting

- The acting Chair submitted the DAARWG membership package to SAB and NOAA leadership for approval.
- The acting Chair participated in the scoping of the data science session for the upcoming July 2019 SAB meeting.
- The DAARWG started identifying dates for a possible summer/fall DAARWG meeting.

## Scope and Focus of Current Efforts

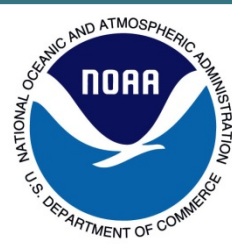
- Data Access

## Future

- Schedule Summer/Fall meeting & address expertise gap
- SAB Work Plan topic 4: Review Improving Collection, Management, Dissemination and Decision Support Using Machine Learning, Artificial Intelligence (AI) and Data Science
- Geospatial Data Act
- NOAA PARR implementation
- NOAA response to M-16-21 (OMB 2016 Federal Source Code)
- LO deep dive: identify enterprise solutions to address gaps in data and software archives.
- Membership



# Environmental Information Services Working Group SAB July 2019 Meeting



## Working Group Overview

**Chair/Co-Chairs:** John Snow and Brad Colman  
**NOAA SAB liaison(s):** Bob Winokur and Everette Joseph

**Membership (vacancies, expertise, timing of approval):**  
One package for second term renewals and extensions will be sent to the SAB in the fall for approval.

## Activities since April 2019 SAB meeting

- 27-28 June 2019 in-person meeting
  - NOAA's Blue Water Ocean Observing
  - Review of the Tornado Warning Improvement and Extension Program Plan Report
  - Review of the EISWG Report to Congress
  - 2018 EISWG Topic Areas: S2S, HFIP, and Hazard Simplification (Haz Simp)
  - Earth Prediction Innovation Center (EPIC)
  - Emerging Technologies and Techniques
  - Social and Behavioral Science

## Scope and Focus of Current Efforts

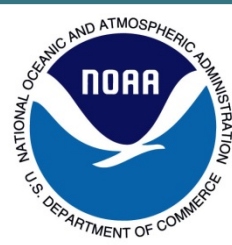
- EISWG annual report to Congress
- SAB Work Plan Activities:
  - Identification of a topic for the FY20-21 SAB work plan
- Weather Act of 2017 (PL 115-25) Topic Areas of Interest:
  - Sec 104(c) - Hurricane Forecast Improvement Program
  - Sec 201(3) - Improving Subseasonal And Seasonal Forecasts

## Future

- **July and September virtual EISWG meeting**
- **December in-person EISWG meeting**
- **Weather Act of 2017 Topic Areas of Interest:**
  - Sec 102 - Earth Prediction Innovation Center
  - Sec 201(3) - Improving Subseasonal And Seasonal Forecasts



# Ecosystem Sciences and Management Working Group SAB July 2019 Meeting



## Working Group Overview

**Co-Chairs: Michael Castellini and Rob Johnston**  
**NOAA SAB liaison: Mike Donahue**

**Membership :**  
**4 nominations for new members approved**

**Three members' terms up for renewal (12/19).**  
**Both co-chairs 2<sup>nd</sup> terms expire 1/20. Requests for one-year extensions in progress.**

## Activities since April and June SAB meetings

- May 2019 Meeting in Silver Spring.
- Experts invited for Topic 9 “Emerging Technologies for Stock Assessments.”
- Writing assignments for report on Topic 9
- Nominations package approved for four new members.
- Three members and co-chairs agreed to extend terms.
- Potential future topics developed by working group, along with 1-page descriptions.

## Scope and Focus of Current Efforts

- Topic 9 report on technologies for stock assessment.
- Case study categories include:
  - New fish otolith aging methods
  - Remote monitoring via saildrones
  - “Omics” such as eDNA for molecular approaches
- Three proposed topics for SAB Work Plan 2020-2021.

## Future

- Direction from SAB on new topic areas for ESMWG reports.
- NOAA review and comments on the Citizen Science Report.
- Topic 9 “Emerging Technologies for Stock Assessments” outline presented at the July SAB meeting for SAB feedback.
- Target report submission date: December 2019.