



Climate Working Group SAB November 2018 Meeting



Working Group Overview

Chair/Co-Chairs: L. Ruby Leung and Paul Knight
NOAA SAB liaison(s): Eugenia Kalnay and Everette Joseph

Membership (vacancies, expertise, timing of approval) : Zhang, Murtugudde, Mote, Roemmich, Dupigny-Giroux (terms expire in March, 2019); Fleming, Fu, Leung, Knight (terms are renewed in 2018), Ravishankara, Bretherton, Dow, Russell (terms can be renewed in 2019).

Scope and Focus of Current Efforts

On Oct 5, 2018, the CWG conducted a review of the Climate and Global Change Postdoctoral Fellowship program with UCAR. Recommendations to the SAB will be coming.

Four sub-groups continue to work with NOAA counterparts to firm up recommendations in a report to SAB. The Arctic sub-group and TPOS 2020 are looking to quantify specific actions for NOAA at a future SAB meeting.

Activities since July 2018 SAB meeting

Annual in-person meeting held on May 15-16 at Scripps Institute in La Jolla, California. Collaborative presentations (NOAA and CWG) on topics; Modeling and Prediction, TPOS 2020, Science Decision Support and NOAA presentations on realignment within OAR between CPO and OWAQ and a conference call with EISWG co-chair to determine points of collaboration with regard to the Weather Act of 2017.

Future

The Fall 2018 CWG virtual meeting will be held Oct 30, 2018.

The replacement for 5 new CWG members will be pursued so a slate of candidates and alternates can be submitted to the SAB at the end of 2018.

Ongoing collaboration with EISWG on Weather Act activities.



DAARWG

SAB November 2018 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, small sats

NOAA Liaison: Ed Kearns (NOAA CDO)

Activities since July 2018 SAB meeting

Due to switch in NOAA Liaison and DAARWG chair position, no activities or meetings as a group.

New Chair and NOAA Liaison held anticipatory discussions on possible future topics for DAARWG consideration

Scope and Focus of Current Efforts

None.

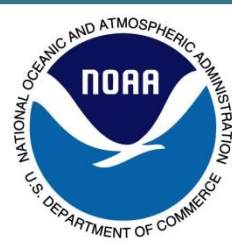
Future

- Schedule Spring 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



EISWG

SAB November 2018 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):

Membership renewal of four EISWG members (Bill Hooke, Justin Sharp, May Yuan, and Xubin Zeng).

We will seek future approval of two new members with expertise in emergency management.

Activities since July 2018 SAB meeting

- July EISWG In-person Meeting.
- Two meetings with Neil Jacobs and EISWG co-chairs to better explore ways that the EISWG can help with the Weather Act of 2017; and invitation extended to attend January 2019 in-person EISWG meeting.
- Development and submission of the SAB Work Plan Topic 2 implementation plan.
- Planning for upcoming January 2019 in-person meeting.

Scope and Focus of Current Efforts

• **Weather Act of 2017 Topic Areas of Interest:**

- PL 115-25 Section 107(d) - Observing System Simulation Experiment (OSSE)
- PL 115-25 Section 104(c) - Hurricane Forecast Improvement Program
- PL 115-25 Section 406(b)(1)(B) - Hazards Simplification Project
- PL 115-25 Section 201(3) - Improving Subseasonal And Seasonal Forecasts

• **SAB Work Plan Activities:**

- Addressing SAB Work Plan Topic 2: Review the Use of Observing System Simulation Experiments (OSSEs)

Future

January 2019 EISWG in-person meeting:

- OSSE interim report update.
- Continued engagement with the other three Weather Act areas of interest.
- Neil Jacobs presentation to the EISWG
- New topics of engagement raised from discussions with Neil Jacobs:
 - Unified cloud technology and services for NOAA
 - Prioritization of Weather Act activities for NOAA
 - Access to more exhaustive model output data



ESMWG

SAB November 2018 Meeting



Working Group Overview

Co-chair: Dr. Michael Castellini and Dr. Robert Johnston

NOAA SAB liaison(s): Michael Donahue, AECOM

Membership (vacancies, expertise, timing of approval) :

Four vacancies are in nomination process through Committee, liaisons and SAB

Activities since July 2018 SAB meeting

Review of ESMWG relevant sections of SAB Implementation Plan.

Co-Chair Johnston approved

Conference call on membership, meeting planning and reports (Sept 28,2018)

Completed draft Citizen Science short report for internal ESMWG review

Scope and Focus of Current Efforts

Citizen Science short report submitted for November 1, 2018 SAB meeting discussion.

Standing by for NMFS self-report on Fisheries Stock Assessment New and Innovative Technologies; received IRT final report (2016) for background on technologies;

Fill four vacancies on ESMWG committee.

Future

Review of fisheries monitoring technologies to improve stock assessments. Due summer 2019.

Potential study of Coastal Ecosystem science & programs as related to the Blue Economy pending SAB discussions.