

# 77th Meeting of the NOAA Science Advisory Board 26 July – 27 July 2023

**Meeting Location:**  
**Southern California Coastal Water Research Project**  
**3535 Harbor Blvd., Suite 110**  
**Costa Mesa, CA 92626**

*Instructions for public access via webinar are at the end of the agenda.*

<b>Wednesday July 26</b> <i>All times in PDT</i>	<b>Day 1</b> Public Session
9:30 AM	Sign in by all Participants and Audience; Registration for Public Comment
10:00 AM	<b>Welcome and Roll Call</b> John Kreider, Kreider Consulting LLC and Chair, NOAA SAB
10:05 AM	<b>SAB Consent Calendar</b> John Kreider, Kreider Consulting LLC and Chair, NOAA SAB <ul style="list-style-type: none"><li>• April 2023 SAB Meeting Minutes</li><li>• Working Group Status Reports</li></ul> <b>DECISIONAL: SAB decides whether to approve the Consent Calendar</b>
10:10 AM	<b>Discussion on NOAA Update (provided online)</b> Rick Spinrad, Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator <b>INFORMATIONAL</b>
10:30 AM	<b>Discussion on NOAA Science Update (provided online)</b> Sarah Kapnick, NOAA Chief Scientist <b>INFORMATIONAL</b>
10:50 AM	<b>Break</b>
11:05 AM	<b>2023 Environmental Information Services Working Group (EISWG) Report to Congress</b> Brad Colman, Co-Chair, EISWG Scott Glenn, Co-Chair, EISWG <b>DECISIONAL: SAB decides whether to approve the Report</b>
11:15 AM	<b>Discussion</b>
11:35 AM	<b>Updates from SAB Working Groups</b> Working Group Chairs <ul style="list-style-type: none"><li>• Climate Working Group</li><li>• Data Archiving and Access Requirement Working Group</li><li>• Ecosystem Sciences and Management Working Group</li><li>• Environmental Information Services Working Group</li><li>• Tsunami Science and Technology Advisory Panel</li></ul>

12:05 PM	<b>Lunch</b>
1:15 PM	<b>SAB Special Session Introduction and Goals</b> Steve Weisberg, Southern California Coastal Water Research Project and SAB Member
1:25 PM	<b>Case Study 1: Ocean Acidification (OA) and Hypoxia</b> (Q&A to follow each 10 to 15-minute presentation) <ul style="list-style-type: none"> <li>• <b>OA Monitoring in the California Current Ecosystem</b> Dick Feely, NOAA Pacific Marine Environmental Laboratory</li> <li>• <b>NOAA-California Partnership on Numerical Model: How Can We Build on Our Success?</b> Martha Sutula, Southern California Coastal Water Research Project (virtual)</li> <li>• <b>Evaluating OA and Hypoxia in Oregon under the Clean Water Act</b> Lesley Merrick, Oregon Department of Environmental Quality</li> </ul>
2:45 PM	<b>Case Study 2: West Coast Ocean Health Dashboard</b> Andy Lanier, Oregon Coastal Management Program
2:55 PM	<b>Discussion</b>
3:05 PM	<b>Break</b>
3:25 PM	<b>Case Study 3: Creating Coastal Resilience</b> (Q&A to follow each 10 to 15-minute presentation) <ul style="list-style-type: none"> <li>• <b>Creating Coastal Resilience</b> Jenn Eckerle, California Ocean Protection Council</li> <li>• <b>Coastal Resilience in Southern California</b> Phyllis Grifman, University of Southern California Sea Grant Program</li> </ul>
4:15 PM	<b>Roundtable Discussion on the Effectiveness of NOAA Interactions with States and Tribes in Facilitating Use of Science</b> Panelists: <ul style="list-style-type: none"> <li>• Jenn Eckerle, California Ocean Protection Council</li> <li>• Andy Lanier, Oregon Coastal Management Program</li> <li>• Joe Schumacker, Quinault Tribe Department of Fisheries</li> <li>• Jenn Hennessey, Washington Department of Ecology (virtual)</li> </ul>
5:15 PM	<b>Public Comment</b>
5:30 PM	<b>Adjourn for the day</b>

<b>Thursday</b> <b>July 27</b> <i>All times in PDT</i>	<b>Day 2</b> Public Session
8:30 AM	<b>Welcome and Roll Call</b> John Kreider, Kreider Consulting LLC and Chair, NOAA SAB
8:35 AM	<b>Presentation on the 2025 and 2026 Strategic Research Guidance Memorandums (SRGM)</b> Sarah Kapnick, NOAA Chief Scientist <b>INFORMATIONAL</b>
9:20 AM	<b>SAB Special Session on SAB Input to the NOAA Budget</b>

	John Kreider, Kreider Consulting LLC and Chair, NOAA SAB
10:20 AM	<p><b>SAB Tsunami Science and Technology Advisory Panel (TSTAP) Statement on Improved Tsunami Characterization in FEMA’s National Risk Index</b></p> <p>Corina Allen, Co-Chair, TSTAP Rocky Lopes, Co-Chair, TSTAP</p> <p><b>DECISIONAL: SAB decides whether to approve the Report</b></p>
10:30 AM	<b>Discussion</b>
10:50 AM	<b>Break</b>
11:05 AM	<p><b>Sustaining Operational Capabilities to Meet NOAA’s Space Weather Mission</b></p> <p>Elsayed Talaat, Director, Office of Projects, Partnerships, and Analysis</p> <p><b>INFORMATIONAL</b></p>
11:15 AM	<b>Discussion</b>
11:35 AM	<p><b>Report on the Review of the Cooperative Institute for the North Atlantic Region (CINAR)</b></p> <p>Steve Weisberg, Southern California Coastal Water Research Project, SAB Member, and Chair of the Review Team</p> <p><b>DECISIONAL: SAB decides whether to approve the Report</b></p>
11:45 AM	<b>Discussion</b>
12:05 PM	<b>Executive Lunch</b>
1:20 PM	<p><b>SAB Special Session on Artificial Intelligence (AI): NOAA Center for AI Objectives and Current Activities</b></p> <p>Rob Redmon, NOAA Center for Artificial Intelligence (virtual)</p>
1:35 PM	<p><b>Panelist Introductions</b></p> <ul style="list-style-type: none"> <li>• Katherine Evans, Oak Ridge National Laboratory (virtual)</li> <li>• Kofi Nyarko, Center for Equitable Artificial Intelligence and ML Systems, Morgan State University (virtual)</li> <li>• John Williams, IBM (virtual)</li> <li>• Ashley Llorens, Microsoft Research Outreach (virtual)</li> </ul>
2:20 PM	<b>Panel Discussion on the Role of Artificial Intelligence in Advancing NOAA’s Mission</b>
3:20 PM	<b>Break</b>
3:35 PM	<p><b>SAB Climate Working Group (CWG) Review of the Climate Program Office Draft Strategic Plan 2023 – 2027</b></p> <p>Kirstin Dow, Co-Chair, CWG (virtual) Joellen Russell, Co-Chair, CWG (virtual)</p> <p><b>DECISIONAL: SAB decides whether to approve the Report</b></p>
3:45 PM	<b>Discussion</b>
4:05 PM	<p><b>Report on the Review of the Cooperative Institute for Research in the Atmosphere (CIRA)</b></p> <p>Betsy Weatherhead, University of Colorado, SAB Emeritus Member, and Chair of the Review Team (virtual)</p> <p><b>DECISIONAL: SAB decides whether to approve the Report</b></p>

4:15 PM	<b>Discussion</b>
4:35 PM	<b>Report on the Review of the Cooperative Institute for Ocean Exploration (OECI)</b> Ruth Perry, Shell Renewables and Energy Solutions, SAB Member, and Chair of the Review Team <b>DECISIONAL: SAB decides whether to approve the Report</b>
4:45 PM	<b>Discussion</b>
5:05 PM	<b>Plans for Next Meeting</b> John Kreider, Kreider Consulting LLC and Chair, NOAA SAB
5:15 PM	<b>Review of Actions</b>
5:20 PM	<b>Adjourn</b>

Public Access and Webinar Instructions:

Note: To attend the SAB meeting via webinar, please [register in advance](#). After registering for the webinar, you will receive a confirmation email containing information about joining the webinar.

Please note that all webinar attendees, with the exception of the SAB members and NOAA leadership, will be muted and only able to listen/view the meeting activities.

Remote access is available at:

[https://us02web.zoom.us/webinar/register/WN\\_4sFHDXjNTqO2kO6ojlXP9A#/registration](https://us02web.zoom.us/webinar/register/WN_4sFHDXjNTqO2kO6ojlXP9A#/registration)