

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

April 26-28, 2022

AGENDA

98th

Meeting of the

OCEAN STUDIES BOARD

The National Academies of Sciences, Engineering and Medicine

Keck Center, Room 201, 500 5th St. NW, Washington DC

Remote connection information available on request (Elizabeth Costa, ecosta@nas.edu)

Meeting Highlights:

- International activities updates
- New reports from OSB
- Roger Revelle Commemorative Lecture –

Bio-inspired Ocean Exploration

John O. Dabiri, CalTech

Tuesday, April 26 2022

OPEN SESSION

9:45 am **Welcome**

10:00 am **Update from SCOR** – *Patricia Miloslavich, SCOR executive director*

10:30 am **Ocean Decade updates** – *co-chairs of the SOST Ocean Decade IWG: Adam Bloomquist (State Department), Laura Lorenzoni (NASA), and Liz Tirpak (NOAA)*

11:00 am **Update on NOPP** – *Reggie Beach, ONR; Frank Cantelas, NOAA (invited)*

11:30 am **Break**

3:30 pm **Strategizing on development of new OSB activities**

- **Trend monitoring, horizon scanning, and strategic foresight processes** – *Evan Michaelson, Sloan Foundation;*
 - **Blue Economy guidance at the GEF** – *Blake Ratner, Science and Technical Advisory Panel of the Global Environment Facility*
 - **Strategic planning at the National Ocean Service**– *Paul Scholz, Deputy Assistant Administrator*
 - **Horizon Scanning for DELS** – *Elizabeth Eide, DELS Executive Director*
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- 5:00 pm **Review of current OSB activities – OSB staff**
5:30 pm **Adjourn**

Wednesday, April 27, 2022

OPEN SESSION

- 1:30 pm **Update on COL – Alan Leonardi, President, Consortium for Ocean Leadership (COL)**
- 2:00 pm **Ocean Plastic**
Report Briefing on Reckoning with Global Ocean Plastic Waste – Margaret Spring, chair, (Monterey Bay Aquarium), Jenna Jambeck (University of Georgia), Kara Lavender-Law (Sea Education Association)
Interagency Marine Debris Coordinating Committee
- 3:00 pm **Break**
- 3:30 pm **Ocean-Based Carbon Dioxide Removal and Sequestration**
Report Briefing on A Research Strategy for Ocean-Based Carbon Dioxide Removal and Sequestration
Scott Doney, Committee Chair (University of Virginia)
Aspen Institute Report on Guidance for Ocean-Based Carbon Dioxide Removal Projects
Mark Spalding (The Ocean Foundation) and Mike Conathan (Aspen Institute)
- 4:30 pm **New NASEM study: Foundational Research Gaps and Future Directions for Digital Twins – Michelle Schwalbe, Director, Board on Mathematical Sciences and Analytics**
- 5:00 pm **Adjourn**

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Thursday, April 28, 2022

10:00 am Welcome

10:15 am Updates from the Agencies

NSF – Terry Quinn

ONR – Tom Drake

NASA – Jack Kaye, Laura Lorenzoni, Nadya Vinogradova

USGS – Hilary Stockdon, John Haines

BOEM – Bill Brown

11:30 am New OSB Reports:

***Attributes of a First-in-Class Environmental Program: A Letter Report
Prepared for the Bureau of Ocean Energy Management – Craig Johnson,
Committee Chair (Systematic Ecology, Bethesda, MD)***

***Wind Turbine Generator Impacts to Marine Vessel Radar – Bill Melvin,
Committee Chair (Georgia Institute of Technology/Georgia Tech Research
Institute)***

12:15 pm Working Lunch

Fisheries Subcommittee

1:30 pm Introduction Tom Miller and Jim Sanchrício, co-chairs

**2:00 pm Decision Making under Deep Uncertainty Lisa Wainger, University of
Maryland and Doug Lipton, NOAA Fisheries**

3:00 pm Break

3:30 pm Discussion

5:00 pm Adjourn For Revelle Lecture

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Keck 100

5:30 pm Roger Revelle Commemorative Lecture Viewing Party (in-person or virtual)

The lecture will be broadcast on the [National Academies event webpage](#) and available on the [Earth and Life Studies Youtube channel](#), with a recording available after the presentation. For updates and reminders, you may [register for the lecture through Eventbrite](#). Please [email Elizabeth Costa](#) at ecosta@nas.edu if you would like to join us for the viewing party in Keck 100.

Bio-inspired Ocean Exploration

John O. Dabiri, Caltech

