



National Oceanic and Atmospheric Administration

Science Council

CALL-IN INFORMATION

This meeting will be held remotely. Please view your calendar entry to join this meeting via Google Hangouts and/or to join by phone.

1. BUSINESS (10:30 AM – 10:35 AM)

Minutes [Tab 2]

Action Items [Tab 3] & **Chair Announcements**

2. BRIEFINGS (10:35 AM – 12:25 PM)

- **The National Academies of Science - OSB** – *Susan Roberts, NAS*
10:35 AM – 11:05 PM (30 min)
Informational [Tab 4]
- **NOAA Institutional Repository Annual Briefing** – *Jennifer Fagan-Fry, NOAA Library*
11:05 AM – 11:35 AM (30 min)
Informational [Tab 5]
- **Presenter for LOTMC discussions was unavailable so the topics will be moved to the following months**
- **Review of Science Council's Achievements and Next Steps**– *Cisco Werner, Vice-Chair*
11:35 PM – 11:50 AM (15 min)
Discussion

SUMMARY AND ACTION ITEM REVIEW (11:50 AM – 11:55 AM)

- **Announcements** – *Executive Secretariat*

ADJOURN

NOAA SCIENCE COUNCIL MEETING

March 15, 2022

10:30 AM to 12:30 PM EST

Google Meet

MEETING MINUTES

ATTENDEES

| | |
|---|---|
| <i>Executive</i> Craig McLean, Chair Cisco Werner, Vice Chair Ishrat Jabin, Exec Sec Anita Harrington, Exec Sec <i>Principal</i> Mitch Goldberg, NESDIS Gary Matlock, OAR Evan Howell, NMFS Steve Thur, NOS James Sims, S&T Synergy Committee representing NWS <i>Advisory</i> Deirdre Clarkin, NOAA Libraries Advisory Committee Cynthia Decker, Scientific Integrity Committee and NOAA Science Advisory Board Shannon Louie, Cooperative Research Committee Kelly Wright, Technology Partnerships Office Hendrik Tolman, Council of NOAA Fellows | <i>Other Attendees</i> Eric Allen, NWS Fiona Horsfall, OAR Joan Segal, OAR Kelly Wright, OAR Melissa Yencho, NMFS Neil Christerson, OAR Joseph Fillingham, OAR Julie Price, NESDIS Eric Bayler, NESDIS Frank Indiviglio, SO Jennifer Fagan-Fry, OAR Susan Roberts, NAS Terrence Lynch, OAR Victoria Moreno, OAR Sarah Davis, OAR |
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APPROVAL OF MINUTES AND REVIEW OF ACTION ITEMS

Notify Exec Sec at science.council.execsec@noaa.gov within two weeks of the following meeting if any changes to the minutes are needed. Minutes from the February 8th NOAA Science Council meeting were approved. The Exec Sec reviewed all current action items (TAB 3).

CHAIR ANNOUNCEMENTS:

- The Science Report is very close to being released
- The Office of Human Capital is getting close to finalizing a science career track report - whoever is chairing the science council should take on that responsibility. This report will have a very positive impact on diversity and inclusion
- Cisco Werner has been asked to serve as the Acting OAR AA and the chair of the Science Council ('performing the duties' of the Chief Scientist, not acting)

BRIEFINGS: Briefing materials are available in the Science Council Meetings 2022 folder on Google Drive.

Presenter for LOTMC discussions was unavailable so the topics will be moved to the following months.

National Academy of Sciences - Ocean Studies Board - Susan Roberts, NAS

The OSB board meetings provide a forum to discuss ocean research, infrastructure, technology and policy. If there is anything that NOAA wants to discuss at OSB's next meeting please bring it to Susan's attention so she can bring it to the meeting. With OSB transitioning to virtual meetings, there was funding left over which allowed them to do more dissemination than in the past. OSB had a congressionally mandated study 'Global Ocean Plastic Waste', there were a lot of requests for briefings on this study and a lot of press interest. A full list of OSB Reports and Workshops was provided. Susan is happy to follow up with anyone on any of these studies. Susan went over OSB activities in progress and reviewed a list of topics the board would like to pursue, the highest being increasing diversity, equity, inclusivity, justice and belonging in the U.S. Ocean Studies Community. OSB is also interested in getting more involved in ocean deoxygenation, ocean acoustics; they want to educate and train acousticians. They have seen a huge amount of interest in ocean plastics and are considering how to move forward with that. The next edition of the OSB Biennial report will be coming out at the end of month. Plug for the Roger Revelle Commemorative Lecture. The lecture will be published in the next issue of oceanography. The 2022 Lecture on April 28th will be John Dabiri from CalTech and there will be a watch party in DC.

Discussion

The Vice Chair asked Susan if the board has an update on DEIJA and if there is some way NOAA can help. Is offshore wind being called for to establish a standing subcommittee? What is a digital twin? The OSB recognizes this is an issue and an effort for all of the community and have talked to NASA, NSF, BOEM, foundations; they are working on trying to put together a whole community effort. The standing committee just started talking to BOEM regarding offshore wind and fisheries. It is a tricky topic and BOEM is looking for help connecting with the fishing community. Regarding digital twins: it is a very dynamic modeling tool in which a physical system is fed comprehensive data so that it provides a virtual representation of the system. The Chair acknowledges that the EU is fond of promoting the digital twin of the ocean and strives to do this by 2024 but there are a lot of obstacles since there is a lack of data. NSC principal asks OSB to speak a bit more about the deoxygenation work and mentions that there is a congressional mandate on HAB and hypoxia but there is not much interest in this research besides in the Gulf. There is a lot of interest from OSB on the topics and how changes in circulation will impact oxygenation. The Vice Chair states that Bluefin tuna and tuna in general are finely tuned to oxygen levels so any changes will have a significant impact on these populations. The oxygen issue is a huge theme on the fisheries side. There is agreement that there is an opportunity to highlight hypoxia in the strategic plan. Over the last 6 months, an increasing amount of legislative activity is causing duplication of effort and there is a failing understanding of the existing responsibilities of agencies. OSB does outreach to congressional staff and there's a possibility to discuss these overlaps and inefficiencies - This topic will be discussed at the next OSB meeting. The Chair suggests having a liaison at the academy who can encourage agencies to expand studies beyond their self interest studies to get better use of a given product. The Chair invites any members of the NSC to join academies committees.

Library IR Annual Briefing - Jennifer Fagan-Fry, NOAA Library (FY21 Annual Operating Report)

Last year, the NSC tasked the library and RDEC to address and improve PARR compliance. A list of recommendations was transmitted to the NSC in June 2021 that included an increase in communication from leadership about PARR, including PARR requirements in performance plans, incorporating PARR in trainings, and establishing RPTS reminders to submit manuscripts. RDEC identified groups responsible for these recommendations. After a NOAA-wide email about PARR compliance, there was a sharp spike in submissions. The total number of submissions (any publication sent to IR through email, sub form, PTS, the fisheries tracking system, or through pub med central) was 7056 for 2021. In FY 21, there was a 40% increase in submissions. The compliance rate for 2021 was 34.7%. In 2021, the building metrics team worked on determining PARR compliance by line office. The library goals for 2022 include an integrated submission system to improve efficiency and reduce duplicates. The library is working on integrating the national Sea Grant library. The library joined the ORCID integration so there could be a digital persistent identifier for each individual researcher. **Recommendations library identified:** Implement all RDEC recommendations to improve compliance rate to 50% by end of FY2022. A standardization of the publishing process for NOAA is needed. This may look like an official style guide, a central procedure for publication, a NOAA- wide adoption of RPTS, or policy development for open access publishing

Discussion

NOAA as a whole is lacking commitment. RPTS is not yet used throughout the entire agency. Instead, 15 different systems are used and each does the same thing. There is concern among the Council that a 50% compliance rate target is not aggressive enough. Anything NOAA can do to ensure science is visible and accessible and well known should be the top priority. Is there a policy for publishing in predatory journals? The SAB policy prohibits NOAA scientists from publishing in predatory journals. This policy may need to be socialized better. Through the library, employees have access to a predatory list guide. The Chair suggests the Council of Fellows should make sure they are aware of these materials and asks Hendrick Tolman to take the lead to ensure they are educated on this. The Chair states they are aggressively seeking a full-time scientific integrity officer. The library is working to provide more specifics to the line offices detailing which publications are missing, however, that is very time consuming. The Library states that it would be most helpful to get employees to start using RPTS. The Library should work with the RDEC to assist in increasing PARR compliance. A few ideas were shared for how to do this including capturing quarterly statistics within RPTS or a quarterly report that shows publications that have not hit the IR.

ACTION: The Chair concludes that the RDEC and the Library can work together on this and recommends a response for the next NSC meeting.

Review of Science Council's Achievements and Next Steps - Cisco Werner, Vice Chair

The Science Council provided thanks to Craig for his leadership during his time as NSC chair. Members thanked Craig for putting NOAA on the map, keeping the conversations fresh and relevant, remaining inclusive and communicative, elevating the importance of Scientific integrity, and for his humor and wit. Craig provided thanks to the Science Council Exec Sec for their assistance running the SC meetings, the members for bringing their best thoughts and concerns, and to Dr. Spinrad for his leadership

ANNOUNCEMENTS

- The next NOAA Science Council meeting is on April 12th at 10:30am - 12:30pm ET via Google Meet.

ACTION ITEMS

| Date Assigned or Action Number | Subject Line | Assigned To | Due Date | Status |
|--------------------------------|--|-------------|---------------|--|
| 20181009 - 7 | State of the Science Fact Sheet - Oceanic Extreme Events: Marine Heatwaves | NMFS | 12/18/2018 | Approved by the Chair and posted to Science Council Website |
| | State of the Science Fact Sheet - Air Quality | OAR | Dec 23rd | Point paper and memo transmitted to CCU. |
| 20200211 - 7 | Update to SoS fact sheet on stock assessment | NSC | End of 2020 | Point paper and approval memo being developed. |
| 20210713 - 01 | New State of the Science fact sheet on methane for climate change | OAR | End of 2021 | In progress |
| | State of the Science Fact Sheet - SLR and Coastal Inundation | NOS | 03/09/2022 | Showstopper comments will be compiled and addressed. |
| 20210921 - 01 | Transition Reports | LOTMC | March 2022 | Science Council will receive updates in March |
| 20211109 - 01a | Hiring Managers Seminar | NSC & OEd | March 2022 | NOAA Science Council co-sponsor a seminar with the Office of Education |
| 20211109 - 02 | UxS Transition Plan on Stalled Transitions | OAR & OMAO | February 2022 | OAR and OMAO to develop a draft UxS transition plan to push the issue of stalled transitions forward |