



governmentattic.org

"Rummaging in the government's attic"

Description of document:	National Oceanic and Atmospheric Administration (NOAA) Science Council Meeting Minutes and Meeting Agendas, January-April 2022
Requested date:	30-March-2022
Release date:	20-April-2022
Posted date:	09-January-2023
Source of document:	Freedom of Information Request National Oceanic and Atmospheric Administration Public Reference Facility (SOU1000) 1315 East-West Highway (SSMC3) Room 9719 Silver Spring, Maryland 20910 FOIAonline

The governmentattic.org web site ("the site") is a First Amendment free speech web site and is noncommercial and free to the public. The site and materials made available on the site, such as this file, are for reference only. The governmentattic.org web site and its principals have made every effort to make this information as complete and as accurate as possible, however, there may be mistakes and omissions, both typographical and in content. The governmentattic.org web site and its principals shall have neither liability nor responsibility to any person or entity with respect to any loss or damage caused, or alleged to have been caused, directly or indirectly, by the information provided on the governmentattic.org web site or in this file. The public records published on the site were obtained from government agencies using proper legal channels. Each document is identified as to the source. Any concerns about the contents of the site should be directed to the agency originating the document in question. GovernmentAttic.org is not responsible for the contents of documents published on the website.



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
OCEANIC AND ATMOSPHERIC RESEARCH
Silver Spring, MD 20910

April 26, 2022

Re: FOIA Request DOC-NOAA-2022-001130

This letter is in response to your Freedom of Information Act (FOIA) request DOC-NOAA-2022-001130 dated 03/30/2022, in which you requested:

“A copy of the agenda and meeting minutes from the three most recent meetings of the NOAA Science Council.”

We have located six documents responsive to your request. You are granted full access to those records, and a copy is enclosed. Your request is now complete.

You have the right to file an administrative appeal if you are not satisfied with our response to your FOIA request. You may appeal by mail or electronically.

If you would like to submit an appeal by mail, please send it to the following address:

Assistant General Counsel for Litigation, Employment, and Oversight
U.S. Department of Commerce
Office of General Counsel
Room 5875
14th and Constitution Avenue, N.W.
Washington, DC 20230

If you submit an appeal by mail, you must include the words “Freedom of Information Act Appeal” on both the envelope and the appeal letter.

If you would like to submit an appeal electronically, you may either send an e-mail to FOIAAppeals@doc.gov or use FOIAonline, our request tracking database, at <https://www.foiaonline.gov/>. If you submit an appeal by e-mail, you must include the words “Freedom of Information Act Appeal” in the subject line and text of your e-mail.



To be complete, a FOIA appeal must include

- a copy of the original request;
- our response to your request; and
- a statement explaining why the withheld records should be made available, and why the denial of the records was in error.

FOIA appeals must be received within 90 calendar days of the date of this response letter. We receive correspondence only on business days, from 8:30 am to 5:00 p.m. Eastern Time. FOIA appeals received after normal business hours will be deemed received on the next business day. If the 90th calendar day for submitting an appeal falls on a Saturday, Sunday, or legal public holiday, then an appeal received by 5:00 p.m. Eastern Time on the next business day will be deemed timely.

FOIA grants requesters the right to challenge an agency's final action in federal court. Before doing so, an adjudication of an administrative appeal is ordinarily required.

The Office of Government Information Services (OGIS), an office within the National Archives and Records Administration, offers free mediation services to FOIA requesters. OGIS may be contacted in the following ways:

Office of Government Information Services
National Archives and Records Administration
Room 2510
8601 Adelphi Road
College Park, MD 20740-6001
Email: ogis@nara.gov
Phone: 301-837-1996
Fax: 301-837-0348
Toll-free: 1-877-684-6448

If you have questions regarding this correspondence, please contact Sabrina Tucker at Sabrina.tucker@noaa.gov or at (301) 734-1191. Alternatively, you may contact the NOAA FOIA Public Liaison, Tony LaVoi, at (843) 740-1274. When contacting us, please refer to your FOIA request tracking number DOC-NOAA-2022-001130.

Sincerely,

TUCKER.SABRIN
A.M.136589717
0

Digitally signed by
TUCKER.SABRIN.A.M.136589
7170
Date: 2022.04.26 15:54:34
-04'00'

Sabrina Tucker
FOIA Liaison, Oceanic Atmospheric Research





**National Oceanic and
Atmospheric Administration**
Science Council

NOAA SCIENCE COUNCIL MEETING

January 11, 2022

10:30 AM to 12:30 PM EST

Google Meet

MEETING MINUTES

ATTENDEES

<i>Executive</i> Craig McLean, Chair Cisco Werner, Vice Chair Isha Renta, Exec Sec Ishrat Jabin, Exec Sec <i>Principal</i> Mitch Goldberg, NESDIS Gary Matlock, OAR David Detlor, NMFS alternate Margo Schulze-Haugen, NOS alternate Jamese Sims, NWS alternate Randall TeBeest, OMAO <i>Advisory</i> Deirdre Clarkin, NOAA Libraries Advisory Committee Cynthia Decker, Scientific Integrity Committee and NOAA Science Advisory Board Shannon Louie, Cooperative Research Committee Jamese Sims, S&T Synergy Committee Natasha White, Office of Education Monica Grasso, Social Science Committee Kelly Wright, Technology Partnerships Office	<i>Other Attendees</i> Shannon Louie, OAR Jessica Cross, OAR Dwight Gledhill, OAR Nicole Kurkowski, NWS Beth Norton, SO Brooke McHansen, NESDIS Christian Meinig, OAR Eric Bayler, NESDIS Fiona Horsfall, OAR Francis Choi, OAR Gina Digiantonio, OAR James Herzog, OAR Jennifer Fagan-Fry, OAR Katelyn Robinson, OAR Kathryn Carria, NOS Laura Newcomb, OAR Melissa Yencho, NMFS Neil Christerson, OAR Roxie Allison-Holman, USEC Sandra Byers, OAR
--	--

APPROVAL OF MINUTES AND REVIEW OF ACTION ITEMS

Notify Exec Sec at oar.rc.execsec@noaa.gov within two weeks of the following meeting if any changes to the minutes are needed. Minutes from the December 14th NOAA Science Council meeting were approved. The Exec Sec reviewed all current action items (TAB 3).

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

Prospectus for Cooperative Institutes in the 21st Century – Gary Matlock, OAR

Congress provided language in the Senate Report 116-127 accompanying the Consolidated Appropriations Act, 2020, which directs NOAA to fully implement the CI21 recommendations to the extent to which the agency has not already done so. The “CI21” is a summary report, fully titled as the “Prospectus for Cooperative Institutes in the 21st Century”, that provides findings and recommendations intended to elevate the capacity and capability of the Cooperative Institutes (CIs) and strengthen NOAA’s research enterprise. Gary Matlock and Shannon Louie presented the CI21 implementation update.

Discussion

Gary Matlock begins the discussion highlighting the value of CI’s and what they bring to NOAA. Though there are many opportunities, there are also many challenges. NOAA needs to be cooperating with them. The different rules for federal and non-federal employees can generate animosity. Non-federals cannot sign purchase agreements, which can generate a feeling of exclusion. Part of NOAA’s job is to engage with the CI’s, train them, and help to create an understanding of why there are certain rules. Cooperative agreements are NOAA agreements. Craig McLean, Chair, raises a suggestion to do a review or compliance check up on how compliant NOAA is with CI21. Program tech managers should be SES certified due to the financial requirements. Gary states that there is a mechanism for these kinds of procedures: Management Control Reviews (MCRs). It may help to answer how well the management of CIs are going. Some of what is being done in CI21 are requirements and others are just recommendations. Shannon Louie offers that a similar approach is being done with AMS Social Science, where they are attempting to measure progress with the outcomes of the CIs.

Action: The Chair will engage further with the CI program office.

Carbon Dioxide Removal (CDR) Research Strategy – Jessica Cross, PMEL

Jessica Cross, lead of the Carbon Dioxide Removal (CDR) Task Force, presented a briefing on their CDR research strategy and the urgency to which NOAA must act upon efforts in CDR Research. Jessica noted that if NOAA is not involved, efforts to track the global carbon budget can fall apart. This can potentially devalue current NOAA missions, derail future science efforts, and destabilize offset markets. The draft research strategy explains NOAA’s federal motivation for CDR research, a review of CDR techniques and science, a synopsis of NOAA’s key assets for CDR research, and the vision of CDR research at NOAA. The CDR Task Force has requested the Science Council to use their network to facilitate inter-agency connections and to help raise early seed funding.

Discussion

The discussion begins with a focus on the request for seed funding. Margo Schulze-Haugen asks if there are connections to other funding sources. Jessica Cross responds that originally the Bill Back Better was still on the table, and was thought to be a better home than the IJA Spend Plan. The economic argument is really important when looking at the carbon market. The longer NOAA waits, the more challenging it will be to determine if the market is doing its job. Colm Sweeney suggests taking this opportunity to build off of the FY22 budget in regards to infrastructure. NOAA needs to build the infrastructure for the global observing system for tracking the carbon system. Jessica Cross emphasizes that carbon management can become as big as the oil and gas industry. DOE has rebranded their

Office of Fossil Energy to Office of Fossil Energy and Carbon Management. If NOAA waits till FY24 to do this, then it may be too late. Cisco echoes Craig's recommendation to take this briefing to the Climate Council for consideration.

Action: Science Council will review the draft CDR Strategy and provide a POC for inter-agency coordination.

LOTMC Update on Transitions Reports – Nicole Kurkowski, LOTMC exec sec

The Science Council tasked the Line Office Transition Managers Committee (LOTMC) with providing a summary of existing transition plans and their required cleanups based on feedback from Dr. Richard Spinrad. Nicole Kurkowski provided a timeline on their approach and determined that by January 2022, the LOTMs will complete the RDEC's FY21 Actuals Data Call and conduct a second query of the NRDD for quality control. In March of 2022, the results will be presented to the Science Council.

Discussion

Nicole Kurkowski offers to answer any questions regarding this action/update. Mitch Goldberg asks if the motivation for the transition plan is that the end user is within another agency. Nicole states that they are looking at all transition plans whether they transition internally or externally. Mitch Goldberg also notes that there are efforts underway, within NESDIS, to move things into the NRDD. Margo vocalizes that NOS has more project plans than transition plans. They are working with transition managers to collect this information and coordinate as appropriate. However, they must be cognizant of the fact that the level of detail will vary by project and what's on everyone's plate. Craig states that if someone wants the funding, this is what they have to do for it and get into the habit of taking accountability. Mitch adds that they are making sure their project plans have the attributes of the NRDD, including making sure their milestones are mapped to readiness levels. He also expresses that if a receiving organization cannot fund then it becomes challenging. The NRDD database should be able to identify if there are issues in transitioning. Fiona Horsfall, of ORTA, is offering training and support with templates for transition plans. She responds that transition plans don't necessarily have to have a commitment for funding. They are living documents that emerge through the funnel. It is used to get early acknowledgement that a project has value to someone. Mitch then proposes that an attribute to the NRDD can be added to receive acknowledgement that funding was committed.

Action: Nicole Kurkowski will provide a summary of the LOTMC discussion on stalled transitions.

Stalled Transitions Strategy - Craig McLean, Chair

During the November Science Council meeting, the LOTMC gave a briefing to the Science Council on their FY21 Q3 R&D transition updates. The LOTMC identified 12 projects that have been stalled from transitioning. This led to a conversation spurring the question of what procedural actions Line Offices can take to be more attentive to stalled transitions. The discussion for this item was to delve deeper into these strategies and how they may overcome some of the challenges.

Discussion

Please see the discussion above, on LOTMC Update on Transitions Reports. The two discussions were merged.

ANNOUNCEMENTS

- The next NOAA Science Council meeting is on February 8th at 10:30am - 12:30pm ET via Google Meet.

ACTION ITEMS

Action Number	Title	Assigned To	Due Date
20211109 - 1a	NOAA Science Council co-sponsor a seminar with the Office of Education	NSC & OEd	March 2022
20211109 - 1b	Craig McLean, Steve Smith, and Mitch Goldberg have agreed to write a one-pager thought piece on hiring early career scientists.	Craig McLean, Steve Smith, and Mitch Goldberg	February 2022
20211109 - 2	OAR and OMAO develop a draft UxS transition plan to push the issue of stalled transitions forward	OMAO & OAR	February 2022
20210921 - 01	Summary of Existing Transition Reports	LOTMC	March 2022



**National Oceanic and
Atmospheric Administration**
Science Council

NOAA SCIENCE COUNCIL MEETING

February 08, 2022

10:30 AM to 12:30 PM EST

Google Meet

MEETING MINUTES

ATTENDEES

<i>Executive</i> Craig McLean, Chair Cisco Werner, Vice Chair Isha Renta, Exec Sec Ishrat Jabin, Exec Sec <i>Principal</i> Mitch Goldberg, NESDIS Gary Matlock, OAR Evan Howell, NMFS Steve Thur, NOS Stephen Smith, NWS Randall TeBeest, OMAO <i>Advisory</i> Deirdre Clarkin, NOAA Libraries Advisory Committee Cynthia Decker, Scientific Integrity Committee and NOAA Science Advisory Board Shannon Louie, Cooperative Research Committee Jamese Sims, S&T Synergy Committee Natasha White, Office of Education Monica Grasso, Social Science Committee Kelly Wright, Technology Partnerships Office Hendrik Tolman, Council of NOAA Fellows	<i>Other Attendees</i> Rob Redmon, NESDIS Alicia Cheripka, OAR Allison Bosworth, NMFS Brian Gross, NWS Courtney Draggan, NWS Christopher Lauer, SO Dorothy Koch, OAR Edward Gorecki, NMFS Eric Kihn, NESDIS Jason Link, NMFS Leah Dubots, OAR Brooke McHansen, NESDIS Eric Bayler, NESDIS Frank Indiviglio, SO Gina Digiantonio, OAR Jennifer Fagan-Fry, OAR Jennifer Mahoney, OAR Jennifer Vogt, Katelyn Robinson, OAR Sandra Byers, OAR Sarah Davis, OAR
--	---

APPROVAL OF MINUTES AND REVIEW OF ACTION ITEMS

Notify Exec Sec at oar.rc.execsec@noaa.gov within two weeks of the following meeting if any changes to the minutes are needed. Minutes from the January 11th NOAA Science Council meeting were approved. The Exec Sec reviewed all current action items (TAB 3).

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

NOAA Center for AI (NCAI) Proposed FY22+ Activities – Rob Redmon, NCAI Lead

Rob Redmon, NCAI Lead, presented a briefing that outlined the National AI Initiative and some proposed activities for FY22+. Some of the proposed activities are to coordinate AI Research and Development and to accelerate AI research into NOAA operations. From their previous AI Data Call, they have found 14 projects that are synergistic across the Line Offices and missions. To meet the needs of the AI S&T strategy, they need a direct strategic plan as well as long term resources to achieve the fundamental AI strategy outcomes.

Discussion

NOS requests to drop component 3c of NCAI's request: the weather and climate timescales. There were some questions as to what type of funding NCAI is requesting: Are they asking for 2 million in cash, is it a proposal, or is it generic support for staff time allocation? NCAI responds that they are requesting a few hundred thousand from each LO for administration/workshops/NCAI footprint and the rest is to go to the projects that are most likely to transition to a higher RL level. They would also like to get inventive about how to fund. The Chair offers to bring AI into the annual budgeting component, such as how they allocated funding to High Performance Computing (HPC). James Sims states that NCAI is currently run by lantern positions and more funding is needed to do the work. It was recommended that for the request for FY24 PCS - SRGM recommends a treatment and initiative for budgeting across all S&T. They will need to work with the Lines to determine where they can leverage investments in AI applications. One option was also to look at spend plans and supplementals.

Ecosystem Working Group NAMES Website Support – Craig McLean, Chair

The Ecosystem Indicator Working Group (EIWG), a standing working group of NOAA's Science Council, has designed, operates and maintains the National Marine Ecosystem Status website (NAMES, <https://ecowatch.noaa.gov/>). The National Marine Ecosystem Status web portal is a single-entry point to access ecosystem indicators and information. Long-term maintenance of the NAMES website requires a modest investment of resources (approximately \$150K in ORF funds) to procure contract services for back-end maintenance, EIWG operations, and NAMES content updates. This support was handled on an ad hoc basis until FY22, when the NOAA Chief Scientist asked for a rotating support from each of the Line Offices.

Discussion

The principal members focused the discussion on which LO would be responsible for hosting and maintaining the website and where the funding would come from. The physical location of the website is established but who will be responsible for updating the website, who are the POCs, and who will keep it operational? A diverse group of people contributed to the website and no single LO is responsible for it. The Chair suggested that an operational plan be developed, with a list of personnel that would be needed. This task was assigned to Evan Howell, NMFS representative, to lead the effort with a team. NMFS is ready to support where needed, but it should be noted that this is a NOAA product and would need all LO office support. NOS makes a note that if this many tax dollars are being invested in the product, then it needs to be ensured that that product is being used to its potential.

Delinquent Marine Scientific Research Reports – Alicia Cheripka, OAR IA

NOAA scientists currently owe 351 preliminary and final reports as well as data sets from agency research cruises, dating back to 2010. The overdue reports and data sets from NOAA account for approximately 60% of the total outstanding reports and data that U.S. scientists owe other coastal states. A breakdown of the missing reports by line office is attached. Some countries have threatened to withhold Marine Scientific Research (MSR) clearances to the U.S. because of the number of delinquent reports and data sets, which has the potential to greatly hinder the science mission abroad.

Discussion

Alicia Cheripka explained the purpose and overview of the MSR report compliance. There have been talks to revisit the coordination system and reform it. The lack of coordination means that it is more difficult to track where things are sitting and which reports have not been turned in. There is also a gap in knowledge and education on these procedures. There will be an email template sent to each LO to send to their scientists so that the MSR reports can be sent out. A preliminary list of such delinquent reports will be sent to the LOs. Gary Matlock, of OAR, suggested that a proposal be sent to the RDEC to use the NRDD to track and collect these reports. The RDEC will receive a similar briefing by the IA, when it is time.

Data Acquisition Plan (NG-DAP) public "Listening Sessions" – Cisco Werner, Vice Chair

Cisco Werner, Vice Chair, presented a series of public listening sessions from the NG-DAP on fisheries, addressing climate change, the type of data that is out there and what can be done with it. The information will lead to a series of workshops. The Vice Chair suggested that this series be shared and attended by the Science Council.

UMC to NMB Transition - Cisco Werner, Vice Chair and Craig McLean, Chair

On September 21, 2021, the NOAA Science Council recommended that the Unified Modeling Committee (UMC) and NOAA Modeling Board (NMB) develop a “transition plan” for the Unified Modeling Committee to become a function of the NOAA Modeling Board, identifying potential gaps left within the NOAA Science Council following the UMC’s departure.

Discussion

The Chair began the discussion with a series of questions: Is there any component that the Science Council should be sustaining in the synergy across lines? What do we need to do to retain a Science Council discussion of modeling? Do we, as a body, need to retain cross LO engagement of science and modeling? What is the fate of the Weather, Water, Climate Board (WWCB)? The Vice Chair responded that he can see there being a home for modeling challenges and developments that are not constrained by earth system science. The science of modeling is unconstrained by outcome. Which then leads to what is the role of the Science Council: academia and research. The WWCB is more mission oriented and therefore it is important to have a conversation about the two bodies and whether they can co-exist. Eric Bayler raised the concern on how the Science Council has or has not used the UMC. If there is a different vision, that needs to be stated. What they’re hearing is not what

they wrote down. Eric Bayler suggested that it remains as a single entity, as opposed to two, because the NMB is not strictly confined to operations. Jameese Sims suggested that the UMC is a member of the synergy committee and an NMB member can replace the UMC member to reinstate the relationship between the Science Council. Mitch Goldberg states that the Science Councils' role is to provide oversight of NOAA activities. It doesn't matter where the activities are taking place. It would be healthy for the Science Council to review the activities of different boards and councils when it's relevant to research and science as a form of checks and balances. A majority of the LO principals agreed that the conversation needs to be continued. A majority of the LO's (NWS, OAR, NESDIS, NOS) also expressed support for moving the UMC to the NMB but additional clarity would be needed. The Chair concluded the conversation and expressed that the two entities continue to do the work that they are doing in the near term (0-3 months) and in the midterm to continue the conversation with the WWCB on moving the UMC to the NMB. The NOAA Science Council will wait on the WWCB before making any further decisions.

ANNOUNCEMENTS

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

ACTION ITEMS

Action Number	Title	Assigned To	Due Date
20211109 - 1a	NOAA Science Council co-sponsor a seminar with the Office of Education	NSC & OEd	March 2022
20211109 - 1b	Craig McLean, Steve Smith, and Mitch Goldberg have agreed to write a one-pager thought piece on hiring early career scientists.	Craig McLean, Steve Smith, and Mitch Goldberg	February 2022
20211109 - 2	OAR and OMAO develop a draft UxS transition plan to push the issue of stalled transitions forward	OMAO & OAR	February 2022
20210921 - 01	Summary of Existing Transition Reports	LOTMC	March 2022



**National Oceanic and
Atmospheric Administration**
Science Council

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 Jameese 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
--	---

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.

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

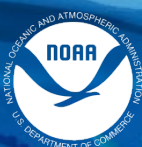
wit. Craig provided thanks to the Science Council Exec Sec for their assistance running the SC meetings, the members for bringing their best thoughts and concerns, and to Dr. Spinrad for his leadership

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



NOAA SCIENCE COUNCIL

NOAA Science Council Meeting Agenda
January 11th, 2022
10:30 am to 12:30 pm ET
Google Meet

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 and Tab 2.1]

Action Items [Tab 3]

2. BRIEFINGS (1:05 PM – 2:50 PM)

- **Prospectus for Cooperative Institutes in the 21st Century** – Gary Matlock and Shannon Louie
10:35 AM – 11:05 PM (30 min)
Informational [Tab 4]
- **Carbon Dioxide Removal (CDR) Research Strategy** – Jessica Cross and Dwight Gledhill
11:05 AM – 11:35 AM (30 min)
Directional [Tab 5]
- **LOTMC Update on Transitions Reports** – LOTMC Exec Sec
11:35 AM – 11:40 AM (5 min)
Informational [Tab 6]
- **Stalled Transitions Strategy** – Craig McLean, Chair
11:40 AM – 12:25 PM (45 min)
Discussion [Tab 7]

SUMMARY AND ACTION ITEM REVIEW (12:25 PM – 12:30 PM)

- **Announcements** – Executive Secretariat

ADJOURN

SCHEDULED BRIEFINGS	Title	Presenter	Sponsor	Category
February	NOAA IR Annual Briefing	Jennifer Fagan-Fry	Chair	Informational
February	NCAI Briefing	James Sims	Chair	Informational
February	LOTMC Transitions Reports	Stephan Smith	Chair	Directional

February	Ecosystem Working Group	Jason Link	Chair	Discussion
March	Unified Modeling Committee Transition to the NOAA Modeling Board	UMC	Chair	Discussion



NOAA SCIENCE COUNCIL

NOAA Science Council Meeting Agenda
February 8th, 2022
10:30 am to 12:30 pm ET
Google Meet

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)

- **NOAA Center for Artificial Intelligence** – *James Sims and Rob Redmon, NCAI*
10:35 AM – 11:05 PM (30 min)
Informational [\[Tab 4\]](#)
- **Ecosystem Working Group NAMES Website Support** – *Craig McLean, Chair*
11:05 AM – 11:25 AM (20 min)
Directional [\[Tab 5\]](#)
- **Delinquent Marine Scientific Research Reports** – *Alicia Cheripka, OAR IA & Craig McLean, Chair*
11:25 AM – 11:40 AM (15 min)
Discussion [\[Tab 6\]](#)
- **Data Acquisition Plan (NG-DAP) public "Listening Sessions"** – *Cisco Werner, Vice-Chair*
11:40 AM – 11:45 AM (5 min)
Informational
- **UMC to NMB Transition** – *Cisco Werner, Vice Chair & Craig McLean, Chair*
11:45 AM – 12:25 PM (45 min)
Discussion [\[Tab 7\]](#)

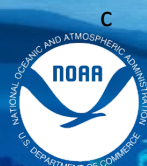
SUMMARY AND ACTION ITEM REVIEW (12:25 PM – 12:30 PM)

- **Announcements** – *Executive Secretariat*

ADJOURN

SCHEDULED BRIEFINGS	Title	Presenter	Sponsor	Category
March	NOAA IR Annual Briefing	Jennifer Fagan-Fry	Chair	Informational

March	LOTMC Transitions Reports	Stephan Smith	Chair	Directional
--------------	---------------------------	---------------	-------	-------------



NOAA SCIENCE COUNCIL

NOAA Science Council Meeting Agenda
March 15th, 2022
10:30 am to 12:30 pm ET
Google Meet

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

SCHEDULED BRIEFINGS	Title	Presenter	Sponsor	Category



**National Oceanic and
Atmospheric Administration**
Science Council

NOAA SCIENCE COUNCIL MEETING

April 12, 2022

10:30 AM to 12:30 PM EST

Google Meet

MEETING MINUTES

ATTENDEES

<i>Executive</i> Cisco Werner, Chair Isha Renta, Exec Sec Anita Harrington, Exec Sec <i>Principal</i> Mitch Goldberg, NESDIS Gary Matlock, OAR Evan Howell, NMFS Randall TeBeest, OMAO Steve Thur, NOS Steve Smith, 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 Hendrik Tolman, Council of NOAA Fellows Frank Indiviglio, Chief Information Officer Natasha White, Office of Education Liaison	<i>Other Attendees</i> Fiona Horsfall, OAR Melissa Yencho, NMFS Joseph Fillingham, OAR Julie Price, NESDIS Eric Bayler, NESDIS Jennifer Fagan-Fry, OAR Terrence Lynch, OAR Victoria Moreno, OAR Ishrat Jabin, OAR Beth Norton, OFA Brooke McHansen, NESDIS Pam Heinselman, OAR Wayne Mackenzie, OAR Annette Hollingshead, OAR Genevieve Lind, OAR Nicole Kurkowski, NWS Bob Kuligowski, NESDIS Francis Choi, OAR James Jenkins, OAR Jeffrey Weirich, NWS Mackenzie Solomon, HDQ Mamoudou Ba, NWS Margo Schulze-Haugen, NOS
--	---

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 March 15th NOAA Science Council meeting were **approved**. The Exec Sec reviewed all current action items.

CHAIR ANNOUNCEMENTS:

- None

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

GeoCollaborate – Dave Jones and Ellen Prager, Storm Center

Fiona Horstall opens the meeting with an introduction to SBIR. Dave Jones from Storm Center introduces Ellen Prager. The presentation focuses on getting access to data and delivering it into a decision making environment. How can federal agencies access and share data? The GeoCollaborate site locates data and is shared across all users, unifies the disparate locations to a common place, provides a one to one synchronous environment, and identifies trusted data sources for analysts and users.

Examples for NOAA using GeoCollaborate:

- Working with AOML/HRD using it on the P3 and G-IV, and to use ocean obs, identify dropsondes with ocean observing platforms
- With GOMO - ocean observing task team - keep track for ocean assets on advisories for tropical storms, and getting the data to NWP
- National Water Center uses GeoCollaborate to communicate with state officials
- NOAA JPSS - early adopter for fire and flood, Trop Storm, river & ice, used with partners

Discussion

NMFS suggests that the GeoCollab team talk with Toni Lavoie and Joe Pica from NCEI and the team informs them that they have provided the presentation to Toni and the NOSC, will check with NCEI. NESDIS has been supporting this and suggests that each LO look for the shortfalls and see how geocollaborate would improve that interaction working with other federal agencies. GeoCollab team says we have learned a lot. Simply making data available is not sufficient, but when you explain to them what the data means, it opens a world of possibilities for them. GeoCollab has already spoken with Dr. Spinrad and are investigating IDIQ possibilities. OMAO asks, what are your thoughts on the types of data available at any time... what about other platforms like NOAA vessels? Think of Geocollab as an access server - sends the commands to all followers where is the data. The data is accessed from any follower from any source. For example, Vessel tracking - Geocollab could add that, there may be a fee, but it can be available. Datasets are not downloaded or saved. If the ship is providing data and as long as it is in the right format, GeoCollaborate can use it.

Review of NAO Scientific Integrity– Cynthia Decker, Science Advisory Board

Cynthia presents the slides which cover the updated NAO which has not been revised in 9 years. There is a new Presidential memo on SI so this is very timely.

Discussion

The Chair asked the Council to please make the time to review this. Council member questions what the word 'dissent' means in this case? Pre-print matters? Cynthia explains dissent has not come as a question, but she is happy to do the research on the processes from other agencies.

ACTION: NSC to review the NAO by April 26th

LOTMC Quarterly Transition Update for FY21Q4 and FY22Q1– Nicole Kurkowski, LOTMC exec sec

Briefing on the Q4-FY21 and Q1-FY22 Transitions

Discussion:

The Chair asks, are you seeing a steady state in the transitions? OAR responds that the trend is upward but not a steep slope. OAR would argue that the number of projects that are getting transitions is underestimated as they are not all in NRDD. NWS points out that the Council has spoken about this before, NWS is at 100% kudos to Nicole for making that possible. The Chair points out that numbers for NMFS may be underestimating. NMFS agrees that may be possible - it may be that they need to learn how to leverage NRDD better. NESDIS agrees,

they may need to socialize NRDD better. NWS says the RLTF is making a lot of effort on this information and how to do knowledge transfer.

LOTMC - Transition Plan Cleanup - Update – Nicole Kurkowski, LOTMC exec sec

The Science Council tasked the LOTMC with providing a summary of current existing transition plans and identifying what needs to be updated, as well as clean up stray plans, based on feedback from Dr. Spinrad. They found out of **183 transition plans**

- **146** were fully signed
- **25** plans were not transition plans
- **11** plans were missing signatures
- **1** was associated with a broken NRDD link.
- The LOTMC recommends providing Dr. Spinrad with an **updated “notebook” of transition plans** along with the **updated summary of transition plans spreadsheet**, and the **summary of clean-up activities**.

Discussion

The Chair asks what timeline do you recommend to respond to Spinrad? LOTMC exec sec responds with ASAP. OAR says it is pleasing to see the engagement on this topic and we have a great story to tell. OAR has two suggestions to further the notion: 1. Quarterly report - add how many projects have transition plans? If not, should we not consider them? It would be powerful to add what difference it makes to model improvement to increase efficiency? Would generating a new model improve the hurricane prediction? Improve sustainability of turtles? Useful to know the R&D transition is helping the future. Why is the transition being done and what difference is it making? OAR would like to identify ORTA on the work they are doing about implementing these tools to make it easier and understandable.

ACTION: NSC and LOTMC respond to Dr. Spinrad with updated transition plans and activities through a memo.

NOAA NSF Summit - Cisco Werner

The Chair provided an update on the NOAA-NSF Summit. Originally, it was planned for early Summer but the decision was made to push it until September to allow for more time to plan and prepare. Additional topics may be added.

ANNOUNCEMENTS

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

ACTION ITEMS

Science Council: This spreadsheet lists all current open action items currently assigned to the Council. Additional information for each entry can be found in the original email assigning this task. If you have any questions, please email oar.rc.execsec@noaa.gov.

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	Approved by the Chair and posted to Science Council Website
20200211 - 7	Update to SoS fact sheet on stock assessment	NSC	End of 2020	Sent through CCU for approval
20210713 - 01	New State of the Science fact sheet on methane for climate change	OAR	End of 2021	Review concluded April 8th
	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 April
20211109 - 01a	Hiring Managers Seminar	NSC & OEd	March 2022	NOAA Science Council co-sponsor a seminar with the Office of Education. The first seminar was successful. Planning for the next seminar has begun.
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