



National Oceanic and Atmospheric Administration

Science Council

NOAA SCIENCE COUNCIL MEETING

August 13th, 2024

10:30-11:30 AM ET

Google Meet

MEETING MINUTES

ATTENDEES

Executive

Sarah Kapnick, Chair
Miranda Bitting, Exec Sec
Emily Nocito, Exec Sec

Principal

John Cortinas, OAR
Monica Youngman, NWS
Margo Schulze-Haugan, NOS (Alt)
Randall TeBeest, OMAO
Clay Porch, NMFS
Douglas Howard, NESDIS

Advisory

Hendrick Tolman, Council of NOAA Fellows Rep
Tony LaVoi, Chief Data Officer
Laura Newcomb, RDEC Chair
Cynthia Decker, Scientific Integrity Officer
Casey Stewart, SAB Executive Director
Jeremy Weirich, NOPP-C Chair
Monica Grasso, Social Sciences Committee Chair
Natasha White, Office of Education Liaison

Other Attendees

Roxie Allison-Holman, OGC
Abigail Arnold, OAR
Tamara Battle, OAR
Eric Bayler, NESDIS
Chelsea Berg, OAR
Amy Biggs, OAR
Maximillian Brown, NOS
Jennifer Fagan-Fry, OAR
Fiona Horsfall, OAR
Michael Kruk, OAR
Michael Liddel, NMFS
Victoria Luu, OAR
Terence Lynch, OAR
Jennifer Mahoney, OAR
Victoria Moreno, OAR
Jessica Morgan, NESDIS
Hanna Odahara, OAR
Andrew Peck, OAR
Ingrid Ramos-Guasp, NESDIS
Katelyn Robinson, OAR
Kenneth Vierra, OAR
Melissa Yencho, NMFS

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.

CHAIR ANNOUNCEMENTS:

- With the help of some of our principal members, we have identified SMEs to update 7 of our State of the Science fact sheets. Instructions were sent to the SMEs last week, so the updating process has begun.
- Please note that we will be recording the PARR NAO briefing today for those who are not able to attend. We will need everyone's cameras off during the recording so we don't capture any PII. We are only able to record if everyone in the meeting consents, so please speak up now if you object to the recording.

MINUTES

- The July 16th meeting minutes were approved.

ACTION ITEM REVIEW

- The Exec Sec reviewed current action items.

BRIEFINGS: Briefing materials are available in the 2024 Science Council Meetings folder on Google Drive.

- **PARR NAO:** Jenn Fagan-Fry and Michael Liddel

10:35 AM – 11:15 AM (40 min) [\[04\]](#) [\[05\]](#)

Decisional

- The Public Access to Research Results (PARR) WG will present a briefing on the draft PARR NAO. It will be sent out to the council for an initial and then a showstopper review.

Note: This briefing was recorded and all present provided full consent for recording with no objections.

Michael Liddel, with support from Jenn Fagan-Fry presented on the OSTP Public Access Memo (here in 22PAM). 22PAM focuses on ensuring free immediate and equitable access to federal funded research; it must be approved by Dec 2024, with implementation going out into FY29. They have been focusing on making an NAO to clarify how it relates to other aspects such as software NAOs. Under 22PAM there is no longer an embargo on publications; they will be freely available in NOAA Institutional Repository (IR). Additionally, there is no embargo on data in publications; rather, must be accessible at time of publication including data not associated with publication. Licensing info needs to be clearly explained in the publication. Key highlights of the NAO is that it establishes a NOAA Data Repository (NDR) and NOAA Data Catalog (NDC) as public access point for NOAA data and metadata, respectively. IR will be a public access point for publications and reports as usual. Michael noted this is a policy phase; implementation will be FY26-29 and that the NAO will apply to all NOAA Fundamental Research Communications (FRC) i.e. articles, tech memos, series reports, stock assessments, etc. He then clarified that confidentiality rules still apply (e.e., in MSA) and still exist while all other data must be available within two years of data publication. Submissions to IR should be the post-refereed, pre-publication manuscript per copyright laws unless the publication is open access. Data managing sharing program (DMSP) in NOAA projects or programs will be approved by chief data officers; if publication has data associated the data will go to the NDR and the metadata will go to the NDC. Unassociated data set (aka long term tracking data) has two years to go into NDR and then into the NDC. There may be approved alternate data repositories (e.g., DRIAD for genomics data) which are acceptable. Persistent Identifiers (PIDs) (e.g., DOIs, ORCID, ROR) will be required of all authors, NOAA authors, grantees, etc. Requiring PIDs allow connections between SMEs, data, projects, and programs. Michael then spoke on the timeline: Currently they are working towards an OSTP deliverable by Dec 2024. OSTP reporting starts in Dec 2026 and compliance report due in Dec 2028. Michael then noted that 22PAM is an unfunded mandate from OSTP and therefore there are no additional funds from OSTP to achieve

this. Even so, it will cost money to build NDR and NDC and staff it but NOAA has done it before for the IR. This can be included in the publication costs in budget planning as it is required for grantees. It will also be written into performance plans. As the Science Council has learned from the PARR briefing, compliance is mid at best and therefore needs to improve. The purpose behind all this is the goal of open science; free immediate and equitable public access without any embargo or delay as NOAA is funded by the public and therefore a need for transparent science is key. Michael presented a proposed schedule, including previously held briefings in most LOs and other committees and councils. This timeline gives people an opportunity to review and comment on NAO 205-18

Note: Recording stopped ahead of Q&A.

NWS inquired about how data is defined for this NAO as they vary across bodies. Michael responded that they are using the definition in the NOAA data management NAO and therefore is quite broad but noted that there will be exceptions likely in data management plans. Morgan noted that the team wanted to make distinction with data associated with publications and data that are new and unique; as it is the new data that is what OSTP is after. If the publication is using existing data, then they just need to cite that data. NWS further asked if the differences in data are described. Morgan said that the expectation is that that will be figured out in the implementation phase and update respectively. NMFS mentioned that consistent metadata for this purpose also has different definitions, and asked if the expectation that there will be extensive documentation on how or who data collected. Morgan responded that the goal is rich metadata for everything but that it may not be possible so the metadata community is thinking about how to discover, understand, and use to guide the metadata via a working group on metadata. She further noted that there may be differences in communities for their target users and what they need to know so there should be minimums, at least.

NWS asked who determines appropriate alternative data repositories? Michael Liddel responded that the NDR would determine what is and isn't acceptable. NWS further noted that NCEI had not been mentioned or listed and inquired what role they play. Michael responded that he thought NCEI is most likely to host the NDR but the process does not specify anything about NCEI, just says we are going to do, and that if NOAA wants to spend extra money on a new repository it's most likely to go to NCEI. Morgan further added that NAOs don't specify organizations to outlive changes in structure. Tolman asked if there would be overlap with NRDD, and Michael responded that while there might be some overlap, NRDD doesn't store metadata. Tolman - noting that he was speaking on behalf of the council of fellows - that maybe merging NRDD and the new product that would come out of this would be a good idea as the NRDD is funded at this moment. Jennifer Fagan-Fry further added that NRDD captures intramural research and that there is the potential for NRDD to additionally capture PID and metadata information. Lynch interjected and noted that the NRDD does not necessarily have the funds for this.

NOS asked for clarification on catalog vs repository in the NAO text; Michael responded that it might be a drafting error and asked that they flag that in the document.

Morgan noted that all federal agencies and every grantee receiving any agency funding will need to do this; that this is changing the business of science and therefore is going to be a cultural shift. Tolman asked if this will get a labor review and Michael responded in the affirmative. NMFS asked how do we ensure NOAA maintains personnel and resources needed noting that in their LO, they have had challenges getting data uploaded and accessible. LaVoi noted that historically LOs developed solutions that met their own requirements and needs which led to a disjointed suite of services within the data sphere and that one of the big things 22PAM is trying to accomplish is creating governance structure noting that some should be handled at enterprise level. Jennifer added the library perspective, noting that all IR funding is pulled from the library budget and that, much like NCEI, they take on the burden of IR which strains resources. Therefore it is important to think about the publishing infrastructure and the data infrastructure, and that the aim should be standardizing across LOs.

Michael thanked everyone for their comments, and noted that the NOAA PARR WG, according to their TOR, will dissolve at the end of the NAO process. He recommended that the next step might be to dissolve this WG and then a new WG is formed to focus on implementation.

ANNOUNCEMENTS

- Next meeting: September 10th at 10:30 am ET

ACTION ITEMS

- Exec Sec will send out a tasker to review the draft Open Science NAO.