



Ocean Observatories Initiative Facilities Board

“The Ocean Observatories Initiative Facility Board (OOIFB) provides independent input and guidance regarding the management and operation of the Ocean Observatories Initiative (OOI).”

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Welcome

- Larry Atkinson, OOIFB Chair
- Annette DeSilva, UNOLS support office
- Self Introductions
- Agenda

Goal of Day 1

- Understand our Terms of Reference from NSF
- Develop common understanding of the OOI, its observing systems and the user interface to data and information.
- Review OOI science documents and determine path forward for updating them or creating new ones.
- Learn about past interaction with user community and determine future activities.
- Become aware of major issues such as how to keep OOI on cutting edge yet meet the long-term science requirements; the impact of new technology; and determine OOIFB role.

Agenda

- 0815 Introductions
 - Welcome from OOIFB Chair – Larry Atkinson
 - OOIFB logistics - Annette DeSilva
 - Around the room introductions - short background from OOIFB members
 - Agenda - Atkinson
 - OOIFB Terms of Reference Overview, Transition, and other topics- Rick Murray
 - Trends and Awards (including LTER) - Lisa Clough
 - Brief history of OOI focusing on initial vision, construction, O&M phase and now the transition – Atkinson
 - Deadlines/Critical Points in coming 2 years – Atkinson
- 1000 Break

- 1015 Rationale, Status and Modifications of OOI Assets
 - 1015 Introduction by Greg Ulses (COL)
 - SOC description and future activities
 - 1020 Coastal Arrays
 - Endurance - Jack Barth (OSU)
 - Pioneer - Al Plueddemann (WHOI)
 - 1050 Global Arrays - Sheri White (WHOI)
 - Irminger Sea
 - Station Papa
 - Southern Chile
 - Argentine Basin
 - 1120 Cabled Array - Deb Kelley (UW)
 - 1150 Questions and Comments

- 1200 Lunch - Comments from each OOIFB member during lunch - immediate impressions - etc. Adjust agenda if necessary
- 1245 OOI Assets Continued
 - 1245 Cyberinfrastructure - Mike Vardaro (RU) and Manish Parashar (RU)
 - 1330 Education – Mike Crowley and Sage Lichtenwalner (RU)
- 1345 Discussion - Questions, discussion, consensus statements, action items
- 1400 OOI science documents – past and future [this topic may be shortened to accommodate other discussions]

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- 1430 Break
- 1445 - OOIFB role in user engagement
 - Introduction – NSF
 - Examples of User Engagement - Deb Kelley, Sheri White, Leslie Smith, and others
 - 1545 - Discussion of OOIFB Role, consensus statements, action items – Atkinson
- 1600 Review of progress, action items list, agenda changes, overnight assignments - Atkinson
- 1700 End of First Day
- 1830 Holiday Inn - Silver Leaf Restaurant (Upper Deck). We will order off the menu and separate checks are offered.



Rick Murray,
NSF

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OOIFB Terms of Reference General Purpose

The Ocean Observatories Initiative Facility Board (OOIFB) provides independent input and guidance regarding the management and operation of the Ocean Observatories Initiative (OOI). All such input and guidance will be communicated to the OOI Operator.

1. Have the leadership role in community oversight of the OOI Science Plan.

Annually examine accomplishments of the OOI Operator, in order to provide guidance as to the contributions of the Annual Work Plans (AWPs) to the progress of the OOI Science Plan.

Via workshops, community meetings, and/or other mechanisms, stimulate and engage the user community in keeping the accomplishments of the OOI at the cutting edge of scientific inquiry and technological innovation.

The logo for the Ocean Observatories Initiative Facilities Board (OOIFB) features the acronym "OOIFB" in a large, bold, white sans-serif font. A thin white horizontal line is positioned directly beneath the text.

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2. Serve as the prime scientific and technical conduit between the oceanographic community, NSF, and the OOI Operator.

Develop and implement strategies to expand scientific and public awareness of the unique scientific and technological opportunities of the OOI, and ensure that the oceanographic community is kept informed of developments in the OOI.

Identify existing and potential end-user communities, their needs for data and meta-data information from the OOI, and provide guidance on the OOI's effectiveness in disseminating this information to end-user communities and the general public.

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3. Help identify collaborative relationships with potential governmental, industrial, educational, and international partners in the OOI, where appropriate.
4. Ensure fair and consistent access to the OOI by all sectors of the user community.
5. Monitor community adherence to applicable NSF policies for data collection, sample archiving, etc. as pertains to OOI activities.

6. Monitor the appropriateness of existing, and/or facilitate the evolution of, performance standards for hardware and cyberinfrastructure, and in doing so address issues such as short- and long term instrument calibration, incorporation of novel technologies, sampling, expansion of technological upgrades, etc.

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OOIFB Structure

The OOIFB will be responsible for establishing and/or continuing committees (either standing or ad hoc), and determining their mandates (technical, regional, etc.), representation, schedules, etc. Such committees will report directly to the OOIFB, which will monitor their functionality and composition with regard to expertise, training, demographics, and other parameters.

Membership in OOIFB

- Seven non-conflicted scientists, one of whom will be Chair, from the oceanographic community. An institution may have only one Member on the OOIFB at any given time. Conflicts will be identified according to standard NSF policies. These persons will represent all career stages, include member(s) from industry and education fields where appropriate, and reflect the breadth of scientific inquiry and technological capability of the OOI.
- Two members from the OOI Operator.
- Committee chairs will be considered as “non-voting” Members.
- Non-Member liaisons to the OOIFB, as approved by the OOIFB, could include the Chair(s) of any bodies providing internal advice to the OOI Operator (if not included in the formal representation described above), and appropriate UNOLS representative(s).
- Non-Member observers to the OOIFB will include representatives from NSF, and may include representatives from other institutions not covered above, such as other federal funding agencies or international entities with significant investments in ocean observing.

Chair

The Chair of the OOIFB will be a leading scientist selected for his/her scientific and managerial leadership. The Chair will serve for two years in this role, and the OOIFB will either appoint his/her successor from one of the non-conflicted scientific Members on the OOIFB, or may choose to seek nominations (including self-nominations) from the U.S. scientific community. The Chair-elect will serve for one year to overlap with the outgoing Chair's second (final) year. The Chair may attend meetings of the OOIFB committees (if any), and select national and international scientific conferences.

Scientific Representation and Appointments

The seven non-conflicted scientists will be selected to serve on the OOIFB for 3-year staggered rotations. A person may serve two consecutive 3-year terms. A vacancy appointment shall be for the remainder of the unexpired term of the vacancy, and an individual so appointed may subsequently be appointed for two full 3-year terms if the remainder of the unexpired term is less than 1.5 years. After rotating off the OOIFB or a committee, a person will not be eligible for membership for a period of three years (one term).

(continued)

The initial appointments will be made by NSF, with subsequent appointments handled by the OOIFB and approved by NSF. In both cases, an open nomination process (including self-nominations) with outreach in the public domain will be employed.

Committee members will be appointed by the OOIFB. An institution may have only one Member on a given committee at any given time. Perceived conflicts for sub-committee members may be considered subordinate to specifically valued technical and scientific expertise in the sub-committee appointment process.

Meetings, Decisions, and Reporting

The OOIFB will convene at least once annually to execute its mandate. NSF anticipates that in the early phases of the OOIFB meetings would occur twice per year. The OOIFB may convene a virtual meeting as appropriate, if approved by NSF.

The OOIFB will operate via consensus of the Members present. Such consensus need not be unanimous, as defined. When consensus cannot be reached in a timely manner the Chair may call for a vote. When dissenting opinions are expressed, they must be clearly indicated in the appropriate record of the discussion.

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Meetings, Decisions, and Reporting (continued)

- Minutes of each meeting of the OOIFB and any (sub) committees of the external OOI Advisory Structure will be taken by the OOIFB Administrative Support Office and the draft (provisional) minutes will be made publicly available within one month of a meeting's occurrence.
- At the end of each calendar year, the OOIFB will provide a public summary of that year's external OOI Advisory Structure activities to be distributed widely in the public domain.

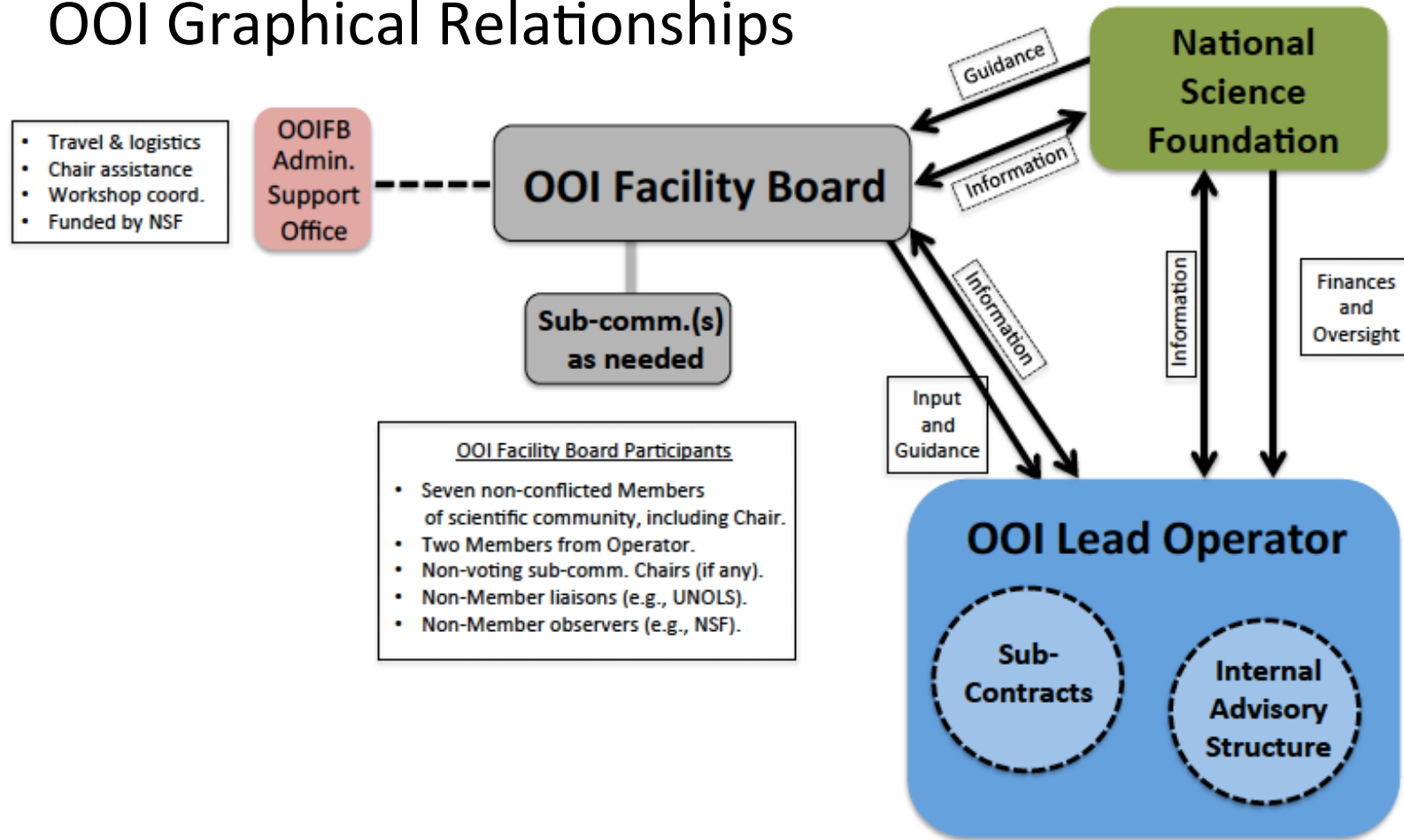
Modification and Discontinuation

NSF may redefine the Terms of Reference, and/or adjust or discontinue the OOIFB as needed, to address changes in OOI operations, partnerships, or scientific and technical representation.

OOIFB Administrative Support Office

The OOIFB Administrative Support Office will provide travel and logistical support to the external OOIFB and any associated committees, assist the Chair of the OOIFB, and coordinate workshops and other community engagement as requested by the OOIFB. The OOIFB Administrative Support Office will be located at an institution that is non-conflicted with the rest of the OOI.

OOI Graphical Relationships



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OOIFB Meeting May 2017



Lisa Clough
NSF

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Some History

- 2009 NSF Funds COL to ‘construct’ OOI with climate science emphasis
- Until last year OOI was in the ‘Construction Phase’
 - Little opportunity to effect change
 - Over \$400M spent with many legal constraints on outside input
 - Funds were not part of Ocean Section funding (didn’t hurt core funding)
 - Major issues with user access to data and control of system (cyberinfrastructure)
- Now we are in Operation and Maintenance Phase (O&M)
 - Funding is shifting to Ocean Section budget – and that is the issue – too much funding for ocean infrastructure relative to research
 - Cyberinfrastructure back on track
 - Now the community can have input
 - There will be reductions in the O&M budget in the coming year(s).
 - There is no ‘set aside’ funding for research using OOI

Known upcoming meetings and deadlines

2017

- Review Annual Work Plans
- October 2017 OOIFB meeting (before National Science Board meeting)
- December 2017 Annual OOIFB report to NSF

2018

- March OOIFB Meeting (Prior to OOI award)



Break, then on to OOI Status

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Extra

Early OOI Documents

- 2005 ORION Executive Steering Committee “[Ocean Observatories Initiative Science Plan](#)”
- 2005 Ocean Research Interactive Observatory Network: A workshop report.
- 2006 Report of the Design and Implementation Workshop.
- 2007 [OOI Science Users Requirements](#)
- 2007 [OOI Preliminary Design Review](#) – National Science Foundation
- 2009 NSF Funds COL to build OOI
- 2010 Final Network Design – Consortium for Ocean Leadership
- OOI Website with documents [LINK](#)