



JOIDES Resolution Facility Board Meeting June 23-25, 2021 – San Diego and Zoom

Consensus Statements

Consensus 1: Next JRFB Chair. The *JOIDES Resolution* Facility Board has selected Larry Kressek as the next JRFB Chair to begin October 1, 2021, in compliance with the JRFB Terms of Reference.

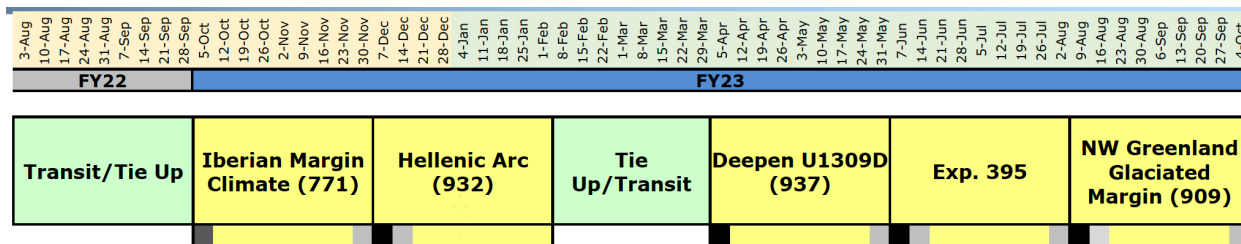
Consensus 2: JRFB Working Group on Science Framework Proposals (JRFB WG-SFP) report. The JRFB receives and accepts the JRFB WG-SFP report presented by Ken Miller, the WG-SFP Chair. The JRFB extends a huge thank you to Ken, Charna Meth from the Science Support Office, and all the WG-SFP members for their hard work and diligence in formulating this initial step in developing guidelines for proposal submissions that address the 2050 Science Framework.

Consensus 2a: Proposal Plain Language Summary. As part of the recommendations in the JRFB WG-SFP was the addition of a Science Communications Plain Language Summary to all proposals to improve science communication. The JRFB recommends the addition of a Science Communications Plain Language Summary to the current proposal requirements for new and revised submissions.

Consensus 3: Approval of SSO FY22-23 Program Plan. The JRFB recommends approval of the FY22-23 Program Plan as presented by the Science Support Office at the June 2021 JRFB meeting.

Consensus 4: Approval of JRSO FY22 Program Plan. The JRFB recommends approval of the FY22 Program Plan as presented by the *JOIDES Resolution* Science Operator at the June 2021 JRFB meeting.

Consensus 5: JOIDES Resolution FY23 Schedule. The JRFB recommends approval of the FY23 schedule for the *JOIDES Resolution*, which will drill Proposals 771, 932, 937, 892 (postponed Expedition 395), and 909.



Consensus 6: Future Calls for Drilling Proposals. As stated in JRFB Consensus Statement 3 from the November 2020 virtual meeting, the number of proposals with the JRFB and at the SEP that would use the *JOIDES Resolution* is more than sufficient to schedule through the end of FY 2024 and the end of the International Ocean Discovery Program. The JRFB will no longer accept any new proposals that address the current Science Plan and want to use the *JOIDES Resolution*. Revisions to proposals already in the system to use the *JOIDES Resolution* and requested by the SEP can be submitted.

Consensus 7: IODP Publications. The JRFB applauds the continued efforts of Lorri Peters and her IODP Publications Services team in promoting and making readily accessible the science results from scientific ocean drilling. We also thank everyone involved for their continued professionalism, innovation, and dedication to publishing IODP science.

Consensus 8: JOIDES Resolution Ship Track. Given that no expeditions have been implemented by the *JOIDES Resolution* for over a year because of the COVID-19 pandemic, the proposal pressure remains in the Atlantic Ocean. Therefore, the JRFB recommends the *JOIDES Resolution* stays in the Atlantic Ocean with the possibility of eastern Pacific Ocean drilling through the end of the International Ocean Discovery Program.

Consensus 9: Fate of Unimplemented IODP Drilling Proposals. It is evident that many proposals currently residing at the JRFB will not be drilled in the International Ocean Discovery Program. The JRFB has concluded that proponents of proposals outside the Atlantic Ocean (including the Mediterranean Sea) and eastern Pacific Ocean (see [Consensus 8](#)) will be asked if they want these to be considered for implementation in any subsequent scientific ocean drilling program, realizing that the details of such a program remain to be formulated. Once scheduling options are exhausted within the current program, proponents of proposals at the JRFB in the Atlantic/Mediterranean and eastern Pacific will also be asked if they want these to be considered for implementation in any subsequent scientific ocean drilling program. Proponents wishing to have proposals considered for future implementation will need to submit revisions that follow the guidelines for proposals addressing the 2050 Science Framework, once they are available (see [Consensus 13](#)). These revised proposals will be subject to review.

Consensus 10: Orphan Sites. It is evident that the orphan sites that remain at the JRFB will not be drilled in the International Ocean Discovery Program. The JRFB has concluded that the proponents of these proposals should be informed of this situation with options to propose drilling these sites in any future program, once the details of a future program are available. For example, APL-like proposals could be submitted or these sites could be included in a new proposal to a future program.

Consensus 11: Undrillable Proposals. Four proposals at the JRFB have been deemed “undrillable” due to political instability and safety issues. These proposals are

549, 595, 724, and 778. The proponents will be informed that these proposals will not be drilled during the International Ocean Discovery Program.

Consensus 12: Data Repository. The IODP currently maintains critical legacy databases of seismic reflection and refraction data, bathymetry, other geophysical datasets, downhole borehole data, and core data that must be maintained and made available to the scientific community beyond the current IODP. The Science Support Office (SSO) maintains the IODP website, proposal submissions, and proposal review history, as well as site characterization data including all sites that have been approved by EPSP. The JRFB considers the preservation of these data to be of paramount importance for transitioning into any future new phase of scientific ocean drilling. The JRFB considers it critical that firm plans for the maintenance of these data and further provision of access (including site characterization data currently on “Hold”) to these data be developed.

Consensus 13: 2050 Science Framework Proposal Guidelines. The JRFB supports the formulation of a working group to develop draft guidelines for proposals that will address the 2050 Science Framework, building on the JRFB WG-SFP report (see Consensus 2). The JRFB thanks Charna Meth, Lisa McNeill, and Ken Miller for agreeing to serve on this working group.

Consensus 14: Carbon Sequestration. The JRFB extends sincere thanks to David Goldberg for his presentation on carbon sequestration opportunities for scientific ocean drilling. The JRFB recognizes that these opportunities could facilitate new partnerships and have implications for engineering requirements for any new U.S. non-riser scientific ocean drilling vessel.

Consensus 15: Community Input. The JRFB is very grateful to the international scientific ocean drilling community for the large number of responses to the Request for Information that was sent out after the November 2020 JRFB meeting. The information has already been used to inform the JRFB WG-SFP report (see Consensus 2) and is being used to inform engineering requirements for any new U.S. drilling vessel. It is anticipated that future community input will be needed as the details of transitioning from the International Ocean Discovery Program to a next phase of scientific ocean drilling become clearer.

Consensus 16: JOIDES Resolution Operations beyond 2024. The JRFB encourages NSF and the JRFB to explore possibilities for extending the *JOIDES Resolution* beyond 2024 so as to minimize any gap in operations as a new U.S. drill ship is developed. This is important to keep scientific ocean drilling community interest high and in developing new approaches to and partnerships in addressing our science.

Consensus 17: JRFB Meeting Organization. The JRFB congratulates and thanks the Science Support Office at Scripps for organizing the hybrid June 2021 JRFB meeting. The meeting was run incredibly well and allowed for very good discussion of the issues

that had to be resolved. The JRFB could not have discharged its duties without such an efficient and well-run meeting.

Consensus 18: Leanne Armand. The JRFB has missed ANZIC Program Scientist Leanne Armand at this meeting and looks forward to her resuming her participation. We send our very best wishes to her for an expedient return to full health.

Consensus 19: Steve Bohaty. The JRFB is extremely grateful to Steve Bohaty for his excellent service to the *JOIDES Resolution* Facility Board and the International Ocean Discovery Program over the last three years. Steve's experience with ocean drilling and his attention to the details of operational, scientific, and administrative issues addressed by the JRFB have had a strong positive impact on the program. On behalf of an appreciative international scientific ocean drilling community, we acknowledge the contributions you have made and thank you for your service.

Consensus 20: Dirk Kroon. The JRFB extends heart-felt thanks to Dirk (Dick) Kroon for his vision and leadership as IODP Forum Chair as his term ends on 30 September 2021. His dedication to and passion for scientific ocean drilling has been evident through his invaluable contributions to planning a post-IODP future of our science. His ability to ask the difficult questions and reach consensus involving many different stakeholders has been inspiring and his contributions will be felt for many years to come. Thank you, Dick!

Consensus 21: Bradford Clement. Brad Clement has been Director of Science Services at the JRSO for 12 years and has successfully navigated some turbulent waters during that time. He has done this with indisputable integrity and the international scientific ocean drilling community has been incredibly fortunate to have him at the helm! As he steps down as director in August 2021, the JRFB applauds and thanks him for his service to our science and our community. We wish him all the very best for the next chapter of his life. Congratulations and thank you, Brad!

Consensus 22: Mitch Malone. The JRFB is delighted that Mitch Malone will become the new Director of Science Services at the JRSO in August 2021. We are lucky to have such a gifted individual to fill some big shoes at the JRSO. The JRFB congratulates Mitch on his new position and looks forward to a continuing productive working relationship with the JRSO. Congratulations, Mitch!

Consensus 23: Clive Neal. The JRFB and the entire scientific ocean drilling community are extremely grateful to Clive Neal for his stellar service to the *JOIDES Resolution* Facility Board and the International Ocean Discovery Program, both as a JRFB member and, more recently, as JRFB Chair. Clive's enthusiasm for, and insights into, supporting scientific ocean drilling have contributed significantly both to the recent successes of the present program and to building the strong foundation that has been laid for scientific ocean drilling's future. Clive's ability to lead the JRFB through rapidly changing conditions while remaining positive and focused on long-term goals has been essential to maintaining progress during the challenges of the COVID-19 pandemic. On

behalf of an international scientific ocean drilling community that has benefited tremendously from your service, we thank you for your efforts and wish you all success in your future innovative endeavors.

Action Items

Action Item 1: JRFB Working Group on Science Framework Proposal (JRFB WG-SFP) Report. This report should be placed on the IODP website and sent to the EFB, CIB, and all PMOs.

Action by: SSO

Action Item 2: JOIDES Resolution Second Post-Expedition Meeting Proposals.

The JRFB Chair will formulate a working group to review second post-expedition meeting proposals that will be forwarded by the JRFB.

Action by: Incoming JRFB Chair

Action Item 3: Fate of Unimplemented IODP Drilling Proposals. The JRFB Chair will write to the proponents of proposals at the JRFB of the mechanism for transitioning unimplemented science to any future program.

Action by: Incumbent JRFB Chair

Action Item 4: Orphan Sites. The JRFB Chair will write to the proponents of expeditions with orphan sites at the JRFB to inform them that these sites will not be drilled in the International Ocean Discovery Program.

Action by: Incumbent JRFB Chair

Action Item 5: Undrillable Proposals. The JRFB Chair will write to the proponents of Proposals 549, 595, 724, and 778 to inform them that these sites will not be drilled in the International Ocean Discovery Program.

Action by: Incumbent JRFB Chair

Action Item 6: Virtual Expedition Working Group. The JRFB Chair will formulate a working group to explore the scope and requirements for developing Virtual Expeditions that could occur in any new phase of scientific ocean drilling. This working group will coordinate with the USAC Legacy Data Working Group and J-DESC.

Action by: Incoming JRFB Chair

Action Item 7: Proposals at JRFB. The JRFB Chair will write to proponents of proposals outside the Atlantic/Mediterranean and eastern Pacific at the JRFB informing them that these proposals will not be drilled during IODP and informing them of the process for transitioning their proposals to a new phase of scientific ocean drilling.

Action by: Incumbent JRFB Chair

Action Item 8: Proposals at SEP. The JRFB Chair will write to the proponents of proposals currently at SEP to inform them of the process of transitioning to the next phase of scientific ocean drilling (see Consensus 8).

Action by: Incumbent JRFB Chair

Action Item 9: Community RFI Initiative. After the success of the Request for Information release after the November 2020 meeting, the JRFB will encourage continued submissions of RFI responses, including encouraging RFI responses for proposals in the current IODP system, requesting PMOs to encourage additional submissions, encouraging RFI responses that focus on long-range vision, and additional ideas related to the new aspects of the 2050 Science Framework (e.g., Diagnosing Ocean Health, Big Data Analytics, multi-expedition projects). It will be important to state that these RFI responses do not have a SEP review and are not required to submit a proposal to any new program.

Action by: Incumbent JRFB Chair and the JRFB

Action Item 10: 2050 Science Framework Proposal Guidelines. The JRFB will create a working group to develop draft 2050 Science Framework Proposal guidelines. Ken Miller, Charna Meth, and Lisa McNeill will form the core of this working group.

Action by: Incoming JRFB Chair

Action Item 11: Science Communication Plain Language Summary. Proposals submitted or resubmitted to SEP should have a Science Communications Plain Language Summary added to them to improve science communication.

Action by: SSO and SEP Co-chairs