

JOIDES Resolution Facility Board Meeting

8-9 May 2019

Denver, Colorado

Consensus Statements

Consensus 1: The JRFB is encouraged by the record number of proposals submitted to SEP on 1 April 2019 for future IODP scientific drilling. The Board sincerely appreciates the interest and collaborative efforts of the global community in raising the momentum for continued scientific drilling, and thanks the Science Support Office (SSO) for their handling of the submissions and also, in advance, members of the Science Evaluation Panel (SEP) who will evaluate the submissions over the coming months. The JRFB emphasizes the need for sustained proposal pressure in the coming years, which will provide momentum for the implementation of a new program beyond the end of the International Ocean Discovery Program.

Consensus 2: The JRFB commends the Science Support Office for its recently implemented improvements in the Site Survey Data Base, as well as in the handling of proposals and accompanying information. These upgrades have significantly improved the ease and efficiency of working with these materials for proposal proponents, proposal reviewers, EPSP, and SEP.

Consensus 3: It is the intent of the JRFB at future meetings to consider expeditions for scheduling to the end of FY 2024, subject to the availability of the *JOIDES Resolution* (JR). This is in response to the continued proposal pressure and the recent 5-year renewal (2019-2024) of the JR facility award by the National Science Board.

Consensus 4: The JRFB encourages the IODP science community to continue to generate proposal pressure along the anticipated long-term ship track for FY22—FY24. Submission of new proposals and continued development of existing proposals for drilling projects in the Indo-Pacific are particularly encouraged.

Consensus 5: The JRFB has agreed to schedule proposal 910 Continental Margin Methane Cycling for October-November, 2021. The board anticipates that many expedition options for following the ship-track in the Atlantic and Mediterranean will be available for scheduling at the 2020 JRFB meeting.

Consensus 6: The JRFB supports the efforts of the JRSO in planning for a replacement non-riser drilling vessel for the *JOIDES Resolution* in the next era of scientific ocean drilling beyond 2023. The age of the JR and increasing costs of maintenance in terms of money and schedule make finding a replacement a critical near-term need for the continued success of scientific ocean drilling into the future.

Consensus 7: The JRFB is excited about the positive momentum the international Earth Science community has developed in identifying new science frontiers and platform needs for the next scientific ocean drilling program. The national/regional workshops that have been held - J-DESC (Japan), PROCEED (ECORD), Ocean Planet (ANZIC), and NEXT (USA) - have been extremely well attended with a lot of enthusiasm for developing the plan for the next era of scientific ocean drilling. We also look forward to the results from the IODP-China workshop (August 2019). The strong participation and leadership engagement by early-career scientists is a strong testament to the attraction scientific ocean drilling provides to the next generation of Earth scientists. The JRFB applauds the strong desire expressed by the workshop attendees and the IODP Forum for using a multi-platform model in writing the next science plan.

Consensus 8: The JRFB recognizes and applauds the exceptional support provided by the JRFB managing the *JOIDES Resolution*, including responsiveness to extraordinary circumstances allowing the program to continue with little interruption.

Consensus 9: The timeline for completing the new scientific ocean drilling science plan, as presented by IODP Forum Chair Dick Kroon, is ambitious. However, the JRFB strongly supports this timeline because it is necessary for advancing plans for securing a new US riserless drilling platform and for international partner renewal processes. We also greatly appreciate the open nature of the proposed process and urge that the writing team be inclusive of those responsible for coordinating the regional/national workshops, subject expertise, diversity, and early career scientists.

Consensus 10: The JRFB applauds and supports the IODP Forum Chair's plans to strengthen synergies between IODP and the International Continental scientific Drilling Program (ICDP). It is essential such synergies continue to be developed and strengthened if amphibious expeditions are to be highlighted in the new science plan.

Consensus 11: The JRFB is encouraged by the report from the Future of Marine Seismics Workshop and looks forward to the NSF response to this report in maintaining the site survey capability for US scientists. This capability is vital for submitting competitive and implementable drilling proposals.

Consensus 12: The JRFB supports the attendance of SEP member(s) for Amphibious Drilling Proposals at the ICDP SAG meetings, and that the SAG representatives be invited to the relevant SEP meetings.

Consensus 13: As noted by the 2018 JRFB Consensus 9, the JRFB in exceptional circumstances on a case-by-case basis will consider to keep unimplemented sites on the board for potential completion at a later date. As such, the JRFB has decided to keep Expedition 379 Sites ASSE-01C, 02C, 03B, and 11A at the board.

Consensus 14: The Science Support Office Annual Program Plan FY'20 is recommended for approval.

Consensus 15: Liping Zhou is sincerely thanked for his service and dedication to serving on the JOIDES Resolution Facility Board. It has been a pleasure to work with him over his term and we wish him well in his forthcoming endeavours, and hope we will see him serving again on future IODP panels.

Consensus 16: Wolfgang Bach has been a dedicated advocate of scientific ocean drilling for many years. The JRFB has greatly benefitted from his experience over the term he has served. We sincerely thank him for his service to this facility board and to scientific ocean drilling and wish him well in his life after JRFB.

Action Items:

Action 1: Before the next JRFB meeting, NSF will provide a summation of the MoU negotiations and budget forecast for future United States participation in scientific ocean drilling.

Action 2: The JRSO is to provide an information document on the general capabilities of the potential new non-riser platform, including the efficiencies such a new vessel will have over the JR, with a percentage estimate of the higher cost to all partners.

Action 3: The JRFB will revise the JR track map and the call for proposals advertisement. This will be completed before the call for proposals is due to be published to advertise the 1 October 2019 submission deadline.

Action 4: The SSO is asked to investigate and summarize the reason(s) why 1 April 2019 saw a record number of proposals submitted. This could be done by asking the lead proponents of the recently submitted proposals why they were submitted in April. The results will help the JRFB and other FBs focus on what is working to generate proposal pressure, which is critical for the renewal of scientific drilling in the respective member countries. The SSO findings should be submitted to the JRFB via email as soon as they are available.

Action 5: The JRFB Chair will work with the SEP Co-chairs to come up with an efficient format for presentation of proposals that are forwarded to the JRFB for scheduling consideration.

Action 6: The JRSO will forward the final FY'20 Annual Program Plan to the JRFB for electronic approval in plenty of time to meet the 1 August 2019 deadline for the plan to be submitted to NSF.

Action 7: The revised policies and guidelines will be approved by electronic vote after further edits. These include the Confidentiality Policy, the Sample and Data Obligations Policy, the JRFB Advisory Panels Terms of Reference, and the Guidelines for the EPSP Safety Review Report and Presentation and Expedition Safety Package.

Action 8: The USSSP will initiate an advertisement for replacement of the outgoing JRFB members.

Action 9: For the Sample and Data Obligations policy. The JRFB Chair will work to define when the changes will take effect, including the impact on shore-based sampling parties.