

**JOIDES Resolution Facility Board (JRFB) Meeting:  
16-17 May 2017                      Arlington, VA USA**

**Summary of Consensus Statements and Action Items**

**Consensus Statements**

**Consensus 1**

The JRFB approves the Agenda for its 16-17 May 2017 meeting.

**Consensus 2**

The JRFB approves the May 2016 JRFB Meeting Minutes with no changes.

**Consensus 3**

The JRFB approves the following updated policies and guidelines:

- IODP Proposal Submission Guidelines (17 May 2017)
- IODP Guidelines for Site Characterization Data (17 May 2017)
- *JOIDES Resolution* Conflict of Interest Policy and Implementation Guidelines (17 May 2017)
- JRFB Terms of Reference (17 May 2017)
- *JOIDES Resolution* Standard Measurements (17 May 2017)
- *JOIDES Resolution* Staffing Procedures (17 May 2017)

**Consensus 4**

The JRFB provisionally approves the new **Standard IODP Confidentiality Policy** (17 May 2017), which supplants both the previous IODP Proposal Confidentiality Policy (February 2015) and the previous IODP Site Survey Data Confidentiality Policy (February 2015). The new policy will be considered for final approval (via email) at a later date, following the recommendations of an **Ad-hoc Workgroup**, who are charged to provide a definition for the “minimum data” requirement principle in the Standard IODP Confidentiality Policy. This working group consists of Anthony Koppers (JRFB Chair), Sean Gulick (SEP Co-chair for site characterization), Mitch Malone (JRFSO Representative), Barry Katz (EPSP Chair), Jamie Allan (NSF), Karen Stocks (SSO IT Specialist), and Holly Given (SSO Director).

**Consensus 5**

The JRFB approves the new **Use of Limited Non-Disclosure Agreements in IODP** (17 May 2017) policy, which governs the limited application of these agreements between data owners, the proponents, and the IODP Science Support Office and/or IODP Science Operator.

**Consensus 6**

The JRFB recommends Proposal 902 (Iceberg Alley Paleoceanography) including APL 846 (Falkland Water Depth Record) for scheduling in the second half of FY19, following Expedition 379 (Proposal 839: Amundsen Sea West Antarctic Ice Sheet History). This will be followed by Proposal 912 (Drake Passage Paleoceanography), and a transit from the Southern Ocean to the Gulf of California, during which engineering tests and APL

769 (Costa Rica Crustal Architecture) are carried out. Furthermore, the JRFB recommends the scheduling of Proposal 833 (Guaymas Basin Activity) in the beginning of FY20, followed by a transit to the Gulf of Mexico and a one-month tie-up period for *JOIDES Resolution* maintenance and repairs. Following a two-week preparation time window, the JRFB recommends the scheduling of Proposal 887 (Gulf of Mexico Methane Hydrate). Finally, the JRFB recommends the scheduling of at least one expedition in the western tropical Atlantic in FY20. The expectation of the JRFB is that there will be in total 10 months of operations in FY20.

### **Consensus 7**

The JRFB recommends the immediate formation of a “Deep Crustal Drilling Engineering” workgroup at the *JOIDES Resolution* Science Operator (JRSO) with representatives of the JRFB and JRSO, Siem Offshore drilling engineers, and the principal proponents, to review the results of Expedition 360 “SW Indian Ridge Lower Crust and Moho, Leg 1” and Expedition 355 “Superfast Spreading Rate Crust, Leg 4” and make recommendations on how to successfully achieve drilling, coring, and logging deeper than 1.5 km into ocean crust hard rock environments. Clive Neal (workgroup chair), Mike Coffin, and Wolfgang Bach will represent the JRFB. Mitch Malone and Jay Miller will represent the JRSO. Other interesting parties within IODP, such as engineers from JAMSTEC, will be invited.

### **Consensus 8**

The JRFB reaffirms that the *JOIDES Resolution* will fulfill at least a single global circumnavigation of the oceans by 2023.

### **Consensus 9**

The JRFB affirms that, based on current and anticipated proposal pressure, the *JOIDES Resolution* will follow a path from the Gulf of Mexico in FY20 to the South Atlantic for starting drilling in this region. The JRFB expects that the *JOIDES Resolution* will start to operate in the general area of the Equatorial and North Atlantic, Gulf of Mexico, Mediterranean, Caribbean and the Arctic in FY21 and through FY22. Furthermore, the JRFB expects that the *JOIDES Resolution* will complete its global circumnavigation in the Indo-Pacific region in FY23.

### **Consensus 10**

The JRFB is very pleased with the results and recommendations presented in the FY16 Co-chief Scientists Report and the FY16 JRSO NSF Site Review Report (February 2017). Both reports point out the outstanding operation, very capable management, and highly significant and operationally critical engineering improvements of the *JOIDES Resolution* facility by the JRSO. In addition, the JRFB fully supports the conclusions and recommendations by the NSF in their response to the FY16 reports, in particular to have the JRSO develop a long-term plan for the continued accommodation of cores in the Gulf Coast Repository.

### **Consensus 11**

The JRFB affirms its long-term goal to maintain the *JOIDES Resolution* facility and the Gulf Coast Repository as a state-of-the-art “floating Earth science laboratory” that is up-to-date with current analytical equipment, software, and databases, while adding new

standard shipboard and onshore analytical capabilities, if required by a demonstrable need of the larger IODP science community.

### **Consensus 12**

The JRFB finds that a closer coordination between expedition science objectives and both the education and outreach programs is warranted, including the participation of seagoing educators, videographers, and other education and/or outreach officers. The JRFB supports the plan to discuss the role of education officers and/or outreach officers during the 2017 FORUM and Program Member Office (PMO) meetings in Shanghai, China.

### **Consensus 13**

The JRFB supports the JRSO scheduling engineering testing during transits on an as-needed basis. Mechanisms for assessing the readiness of tools and other engineering innovations are required and, when proven ready, scheduling their testing at-sea with minimal impact on science is necessary. Such testing is needed to enhance the productivity of scientific ocean drilling and such engineering advances should be widely advertised to the community in order to inform future drilling proposals. Regular updates from the JRSO to the JRFB on engineering developments and testing are requested.

### **Consensus 14**

The JRFB is very pleased with the numerous achievements of the IODP Science Support Office (SSO), in particular the outstanding management of the proposal process, the state-of-the-art operation of the proposal and site characterization databases, the development of new software tools to help proponents and panel members to work more efficiently with proposals and the large number of related data files, and the smooth organization of the meetings of the JRFB and its Advisory Panels. The JRFB is looking forward to the implementation of further improvements to the proposal and site characterization databases as laid out in the SSO FY18 Annual Program Plan (APP).

### **Consensus 15**

The JRFB approves to remove the Co-chief Scientist Publication Requirement to publish at least one synthesis paper per expedition. However, the JRSO is asked to keep encouraging Co-chief Scientists to always consider these kind of publications, if deemed worthwhile and scientifically justified.

### **Consensus 16**

The JRFB reaffirms its primary goal of implementing all proposals that are thoroughly reviewed, scientifically evaluated, and forwarded by SEP, and that have been recommended for approval by EPSP. Decisions on scheduling are principally dependent on the planned regional track of the JOIDES Resolution, maximizing the fit and balance of proposals to the IODP 2013-2023 Science Plan, funding and ship time availability, and safety, permitting and other logistical constraints.

### **Consensus 17**

The *JOIDES Resolution* Science Operator (JRSO) Annual Program Plan FY18 is recommended for approval in principle. The final plan will be considered for approval by the JRFB at a later date, but before the end of July 2017.

***Consensus 18***

The Science Support Office (SSO) Annual Program Plan FY18 is recommended for approval in principle. The final plan will be considered for approval by the JRFB at a later date, but before the end of July 2017.

***Consensus 19***

The JRFB extends the term of the current JRFB Chair Anthony Koppers with one year and agrees to change the term of the JRFB Chair to nominally three years.

***Consensus 20***

The JRFB appoints Clive Neal as the new JRFB Chair, starting 1 October 2018 and with a three-year term, following one year as Chair-Elect.

***Consensus 21***

The JRFB sincerely thanks Christina Ravelo for her excellent service on the JRFB as science member. Over the past three years the JRFB has gained tremendously from Christina's vast knowledge on paleoclimatology and IODP science in general.

## **Action Items**

### ***Action Item 1***

The JRFB Subcommittee on Policies and Guidelines will continue to update and reformat all remaining policies and guidelines for the general IODP program, for the *JOIDES Resolution*, and for the JRFB Advisory Panels.

### ***Action Item 2***

The JRFB Workgroup on “minimum data” will provide to the JRFB their recommendations before the September 2017 FORUM meeting.

### ***Action Item 3***

The JRFB Subcommittee on Policies and Guidelines will write a separate ADP Implementation Policy in support of the Joint JR-ICDP (International Continental Drilling Program) Projects.

### ***Action Item 4***

The “Deep Crustal Drilling Engineering” workgroup will provide a written report to the JRFB two months before the May 2018 JRFB meeting.

### ***Action Item 5***

The JRFB will provide a written report to the JRFB two months before the May 2018 JRFB meeting delineating options, cost estimates, and/or solutions for the expansion plans of the Gulf Coast Repository.

### ***Action Item 6***

The JRFB is asked to provide reports to the JRFB during its annual meetings, delineating options, cost estimates and/or solutions for the addition of new analytical capabilities on the *JOIDES Resolution* or for onshore capabilities supported through the Gulf Coast Repository.

### ***Action Item 7***

The JRFB Chair will request that the U.S. Science Support Program (USSSP) solicit applications for the JRFB U.S. science member replacement of Christina Ravelo. Recommendations from this process will be circulated to the JRFB (by e-mail) for approval.

### ***Action Item 8***

The JRFB Chair will continue monitoring and deactivating inactive (>5 years) SEP proposals as necessary.

### ***Action Item 9***

The JRFB Chair will continue monitoring proposals at the JRFB that have been inactive for 5 years or more and request proponent teams provide the JRFB with an update via an Addendum and/or Proponent Response Letter (PRL).

**Action Item 10**

An Eos article by the JRFB Chair Anthony Koppers and the JRFB Chair-Elect, Clive Neal will be written and submitted by July 2017 to update the IODP community on the status of the IODP program and the focus of the *JOIDES Resolution* scheduling, the JRFB model, and plans for drilling expeditions in the future and up to the end of IODP 2013-2023.