

**JR Facility Science Evaluation Panel (SEP) Meeting  
9-11 January 2018  
Scripps Institution of Oceanography, UCSD, La Jolla, CA**

**Meeting Roster**

**Science Subgroup**

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Natsue Abe	Japan Agency for Marine-Earth Science and Technology (JAMSTEC)
Steven Bohaty	National Oceanography Centre Southampton
David Bout	University of Massachusetts Amherst
Christopher Charles	Scripps Institution of Oceanography, UCSD
Li-Hui Chen	Nanjing University
Cristiano Chiessi	University of Sao Paulo
Bernard Coakley	University of Alaska
Deniz Cukur	Korea Institute of Geoscience & Mineral Resources (KIGAM)
Matthew Fantle	Pennsylvania State University
Sarah Feakins	University of Southern California
Irina Filina	University of Nebraska - Lincoln
Marguerite Godard	Université Montpellier
Michael Gurnis	California Institute of Technology (Caltech)
Marc-André Gutscher	University of Brest – Institut Universitaire Européen de la Mer
Ron Hackney	Geoscience Australia
Ryota Hino	Tohoku University
Samuel Jaccard	University of Bern
Jens Kallmeyer	GFZ German Research Centre for Geosciences
Hiroko Kitajima	Texas A&M University
Junichiro Kuroda	Japan Agency for Marine-Earth Science and Technology (JAMSTEC)
John Lewis	Indiana University of Pennsylvania
Zhifei Liu	Tongji University
Andrew McCaig	University of Leeds
Ken Miller	Rutgers The State University of New Jersey
Hajime Naruse	Kyoto University
Yusuke Okazaki	Kyushi University
Dhananjai Pandey	National Center for Antarctic and Ocean Research
Kevin Pickering	University College London
Jenny Pike	Cardiff University
Werner Piller	University of Graz
Brandi Reese	Texas A&M University – Corpus Christi
Marci Robinson	United States Geological Survey
Reed Scherer	Northern Illinois University
Susanne Straub	Lamont-Doherty Earth Observatory - Columbia University
Hitoshi Tomaru	Chiba University
Heiner Villinger	University of Bremen

Unable to attend

## Site Subgroup

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<b>Rebecca Bell</b>	<b>Imperial College London</b>
Cara Burberry	University of Nebraska - Lincoln
Calvin Campbell	Geological Survey of Canada - Atlantic
<b>Anil Chaubey</b>	<b>National Institute of Oceanography - India</b>
Gail Christeson	University of Texas at Austin
Weiwei Ding	Second Institute of Oceanography, State Oceanic Administration
Chris Elders	Curtin University
Louis Géli	IFREMER
<b>Gilles Guerin</b>	<b>Lamont-Doherty Earth Observatory - Columbia University</b>
Sean Gulick	University of Texas at Austin (Co-Chair)
David Iacopini <sup>1</sup>	University of Aberdeen
Priyank Jaiswal	Oklahoma State University
Kiichiro Kawamura	Yamaguchi University
<b>Seung-Sep Kim</b>	<b>Chungnam National University - Korea</b>
Frank Nitsche <sup>2</sup>	Lamont-Doherty Earth Observatory - Columbia University
Michele Rebesco	Istituto Nazionale di Oceanografia e di Geofisica Sperimentale
Michael Riedel	GEOMAR – Helmholtz Centre for Ocean Research Kiel
Derek Sawyer <sup>3</sup>	The Ohio State University
<b>Harold Tobin</b>	<b>University of Wisconsin - Madison</b>
Helenice Vital	Universidade Federal do Rio Grande do Norte
Lindsay Worthington	University of New Mexico
Guangfa Zhong	Tongji University

## Liaisons and Observers

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Jamie Allan	National Science Foundation (NSF)
Jamie Austin	IODP Forum Chair – University of Texas at Austin
Donna Blackman	IODP Science Support Office (SSO) - UCSD/SIO
Carl Brenner	IODP US Science Support Program (USSSP) – LDEO
Laurel Childress	JRSO - Texas A&M University
Dru Clark	IODP Science Support Office (SSO) - UCSD/SIO
Nobu Eguchi	JAMSTEC Center for Deep Earth Exploration (CDEX)
Helen Feng	Independent Consultant to the SSO
Holly Given	IODP Science Support Office (SSO) - UCSD/SIO
Kitty Haak	IODP Science Support Office (SSO) - UCSD/SIO
Barry Katz	Chevron Corporation - EPSP (Chair)
Adam Klaus	JRSO –TAMU
Anthony Koppers	<i>JOIDES Resolution</i> Facility Board Chair – Oregon State University
Gilles Lericolais	European Consort. for Ocean Res. Drilling (ECORD) Facility Board (Chair)
Mitch Malone	JRSO –TAMU
Sally Morgan	ECORD Science Office (ESO) – University of Leicester
Anthony Morris	Plymouth University
Clive Neal	JRFB Chair Elect - University of Notre Dame
Chris Olson	IODP Science Support Office (SSO) - UCSD/SIO
Christina Ravelo	Institute of Marine Sciences – UC Santa Cruz
Angela Slagle	USSSP - LDEO
Karen Stocks	IODP Science Support Office (SSO) - UCSD/SIO

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<sup>1</sup> Alternate for Rebecca Bell

<sup>2</sup> Alternate for Gilles Guérin

<sup>3</sup> Alternate for Harold Tobin

Trevor Williams  
Michiko Yamamoto

JRSO - Texas A&M University  
IODP Science Support Office (SSO) - UCSD/SIO

Unable to attend

**Science Evaluation Panel (SEP) Meeting**  
**9-11 January 2018**  
**Scripps Institution of Oceanography, UCSD, La Jolla, CA**

**Tuesday**

**January 9, 2018**

**08:30-17:00**

**1. Welcome and Introductions**

Science Evaluation Panel (SEP) Co-Chair, Dr. Ken Miller, welcomed the SEP to Scripps Institution of Oceanography in La Jolla, CA.

*1.1 Call to order, panel charge, thanks to past members, and self-introductions*

Dr. Miller called the meeting to order with a welcome and provided a brief description of the panel's charge, a thanks to past members, and he asked attendees to perform self-introductions.

*1.2 Logistical Announcements*

Meeting host, Science Support Office Executive Director, Dr. Holly Given, reviewed the basic logistics for the meeting, including safety and Internet access.

*1.3 Approval of Meeting Agenda*

Dr. Miller asked the SEP members to review the agenda and provide changes or additions. No members presented additions or changes, and they approved the agenda.

**2. Reports from IODP Entities**

*2.1 Perspectives from the JRFB Chair*

JOIDES Resolution Facility Board (JRFB) Chair, Dr. Anthony Koppers presented updates on JRFB, which included:

- Major Achievements Since 2013
- Advantages of a Highly Streamlined Panel Structure
- Mandate and the Role of the JRFB
- Scheduling and Long-term JR Cruise Track
- JOIDES Resolution Schedule for FY 2019-2020
- Improvements in the JR Facility
- Special Oceanography Volume: Celebrating 50 Years Scientific Ocean Drilling

For more detailed information regarding this report, please see Dr. Koppers' presentation, which is posted at <http://www.iodp.org/sep-presentations/sep-2018-january-presentations>

*2.2 NSF Report*

NSF Program Manager, Dr. Jamie Allan, reviewed the key points of progress and/or change within the IODP. These included:

- FY2018 Budget: Overall Financial Situation appears stable
- JR Facility Review
- JR Facility Review Panel

- Panel Report and NSF Response
- JR Staffing
- JOIDES Resolution Facility Renewal
- NSF Seismic Solicitation
- Other NSF News

For more detailed information regarding this report, please see Dr. Allan's presentation, which is posted at <http://www.iodp.org/sep-presentations/sep-2018-january-presentations>

### 2.3 JR / IO Report

Dr. Mitch Malone, JRSO Liaison, presented highlights of the JR's recent expeditions (371, 369, and 372). He also updated the attendees regarding:

- *JOIDES Resolution* Upcoming Expeditions
- JRSO Updates - Staff changes and Expedition Staffing

For more detailed information regarding this report, please see Dr. Malone's presentation, which is posted at <http://www.iodp.org/sep-presentations/sep-2018-january-presentations>

### 2.4 MSP / EFB, IO Report

Dr. Gilles Lericolais, ECORD Facility Board (EFB) Chair, and Dr. Sally Morgan, ECORD Science Operator (ESO) Liaison, presented a report on main EFB activities and Progress Update, which included:

- ECORD Facility Board Members (Science Board, Executive Board, and Funding Agencies)
- Mission-Specific Platform (MSP) Operational Plan 2013-23
- Mission-Specific Platform (MSP) Proposals at EFB
- Completed (2015-2017), Scheduled, and Proposed Expeditions
- Summary of MSP Proposals at SEP
- Expedition #364 Operational Review Committee (ORC) meeting summary
- Announcement of EFB meeting #6, March 6-7, 2018 in Venice, Italy

For more detailed information, please see Dr. Lericolais' and Dr. Morgan's presentations, which are posted at <http://www.iodp.org/sep-presentations/sep-2018-january-presentations>

### 2.5 Chikyu / CIB, IO Report

Center for Deep Earth Exploration (CDEX) liaison, Dr. Nobu Eguchi provided the CIB (*Chikyu* IODP Board) and CDEX Report, which included:

- Next CIB Meeting – March 19-20, 2018 in Kobe
- Outlook of Chikyu Operation JPFY2017
- Chikyu operation Exp. 380 summary
- IODP Exp. 358 – Seismogenic/Slow Slip Megathrust
- Lord Howe Rise Project: Proposal 871 "Lord Howe Rise Continental Ribbon"
- Chikyu Mid-Term Plan
- Information on outcome of Special Exhibition "Deep Ocean 2017" (at the National Museum of Nature and Science)

For more detailed information, please see Dr. Eguchi's presentation, which is posted at <http://www.iodp.org/sep-presentations/sep-2018-january-presentations>

### 3. Science Support Office Report

Dr. Holly Given, IODP Science Support Office (SSO) Executive Director, introduced the staff and summarized the:

- Confidentiality Policy and Panel Member Sign-in Requirement
- Science Support Office Services
- Update on the Cooperative Agreement Renewal
- New SSDB Package functionality
- Proposal Pool Statistics

For more detailed information, please see Dr. Given's presentations, which is posted at <http://www.iodp.org/sep-presentations/sep-2018-january-presentations>

### 4. Proposal Review and Advisory Process

Drs. Miller and Gulick (SEP Co-Chairs), provided a detailed review of panel procedures.

#### 4.1 Review Procedures

Dr. Miller reminded those in attendance of their requirement to keep proposal content and discussion of all proposals confidential. He provided a brief summary regarding the SEP status and function,

Drs. Miller and Gulick then summarized proposal review procedures through:

- Highlights from the SEP Terms of Reference
- Results for the previous two SEP meetings
- Actions for panelists with Conflicts of Interest
- Rating of the proposal (after external review)
- Critical drilling plan review
- Characterizing Site Survey Data
- General data requirements and accepted formats (from the Guidelines)
- Classification System
- Watchdog (WD) responsibilities in preparing proposal reviews
- General evaluation criteria for IODP proposals
- Announcement of future SEP meetings

For detailed information, please see Dr. Miller and Dr. Gulick's Review Procedure presentation, which is posted at <http://www.iodp.org/sep-presentations/sep-2018-january-presentations>

### 5. Review of Proposals

#### 5.1 Revised Full Proposals

The SEP began their reviews of revised proposals.

#### 17:00 Meeting Adjourned for the Day

**Wednesday**

**January 10, 2018**

**08:30-17:50**

#### 5.1 Revised Full Proposals (continued)

The SEP continued their reviews of revised proposals.

### 5.2 Externally Reviewed Proposals

The SEP reviewed externally reviewed proposals.

Dr. Michael Gurnis gave a short science talk, in which he presented the results of Expedition 371: Tasman Frontier Subduction Initiation and Paleogene Climate.

### 5.2 Externally Reviewed Proposals (continued)

The SEP completed their reviews of externally reviewed proposals.

### 5.3 New Proposals

The SEP began their reviews of new proposals.

## 17:50 Meeting Adjourned for the Day

**Thursday** **January 11, 2018** **08:30-17:30**

### 5.3 New Proposals (continued)

The SEP completed their reviews of new Full proposals and began their reviews of new Pre-proposals.

### 5.1 Revised Full Proposals (continued)

The SEP completed their reviews of revised proposals.

Dr. Christina Ravelo gave a short science talk, in which she presented the results of Expedition 363: Western Pacific Warm Pool.

### 5.3 New Proposals (continued)

The SEP completed their reviews of new Pre- and APL proposals.

## 6. Summary of SEP reviews

As summarized below, Dr. Miller and Dr. Gulick reviewed the results and ratings (as necessary) for each of the proposals discussed at this meeting.

Proposal ID	Type	PI	title	Outcome
853	Add (Full2)	Rosalind Coggon	South Atlantic Transect	Forward to JRFB with excellent
859	Full2	Paul Baker	Amazon Margin Drilling	External Review
864	Full2	Tom Dunkley Jones	Equatorial Atlantic Gateway	Holding Bin
866	Full2	Michael Strasser	Japan Trench Paleoseismology	External Review
874	Full2	Oliver Friedrich	Neogene Newfoundland Sediment Drifts	External Review
890	Full2	William Sager	Walvis Ridge Hotspot	Holding Bin
892	Full2	Ross Parnell-Turner	Reykjanes Mantle Convection	Holding Bin
909	Full	Paul Knutz	NW Greenland Glaciated Margin	Revise
911	Full	Jim Wright	Argentine Marine Deep-Water Interactions	Revise
919	Pre	Neil Mitchell	Late Cenozoic Pacific Internal Waves	Deactivate

920	APL	Johann Klages	Amundsen Sea Ice Sheet Stability	Deactivate
921	APL	Beth Orcutt	Hole 896A Biosphere Restoration	Forward to JRFB
922	Pre	Hugh Daigle	W Atlantic Cenozoic Slope Stability	Develop Full
923	Full	Yasuhiko Ohara	Godzilla Megamullion Lithosphere Architecture	Deactivate
924	Pre	Lowell Stott	Chatham Rise Geologic CO2 Release	Develop Full
925	Pre	Jim Mori	Blanco FZ Earthquake Triggering	Develop Full
926	Pre	Ulrich Georg Wortmann	Great Australian Bight Reflux Brines	Develop Full
927	Pre	Nevio Zitellini	Tyrrhenian continent-ocean transition	Develop Full
928	APL	Ivano Aiello	Gulf of California Environmental Change	Deactivate
929	Pre	Steven D'Hondt	Blake Nose Subseafloor Life	Develop Full
930	Pre	Derek Sawyer	W Atlantic Passive Margin Landslide	Develop Full
931	Pre	Amelia Shevenell	East Antarctic Ice Sheet Evolution	Develop Full
857C	Pre	Claudia Bertoni	DREAM: Lago-Mare deposits	Develop Full

	<i>Came back from External Review</i>
	<i>Revised</i>
	<i>New</i>

## 7. Reviewer / co-chief commendations

The co-chairs asked for reviewer recommendations for 859 (Baker – Amazon Margin), 874 (Fredrichs – Newfoundland Drifts), and 866 (Strasser - Japan Trench) and for co-chief recommendations for 853 (South Atlantic Transect), 864 (Equatorial Atlantic Gateway), and 890 (Walvis Ridge).

## 8. SEP co-chair nomination

Dr. Gulick presented a list of three candidates that will go forward to the JRFB to replace Dr. Miller as SEP co-chair. The panel endorsed this list which is now with the JRFB for action. Depending on the final choice, the new co-chair's first meeting will be either January 2019 or June 2019.

## 9. Schedule of next SEP meeting

The co-chairs announced that the next SEP Meeting is scheduled for 26-28 June 2018 in Potsdam, DE, and the group determined that the January 2019 meeting will be held 8-10 January 2019 in La Jolla, CA.

## 10. The panel thanked meeting host Holly Given and the SSO Staff, and the following members rotating off

- Steve Bohaty
- Marguerite Godard
- Marc-Andre Gutscher
- Helenice Vital

**17:30 Meeting Adjourned**