

**Science Evaluation Panel (SEP) Meeting**  
**8-10 January 2019**  
**Scripps Institution of Oceanography, UCSD, La Jolla, CA**

Meeting Roster

Science Subgroup

---

Maria-Angela Bassetti	CEFREM, Université de Perpignan
Melissa Berke	University of Notre Dame
David Boutt	University of Massachusetts Amherst
Julie Bowles	University of Wisconsin - Milwaukee
Christopher Charles	Scripps Institution of Oceanography, UCSD
Farid Chemale Jr.	Universidade do Vale do Rio dos Sinos
Li-Hui Chen	Nanjing University
Deniz Cukur	Korea Institute of Geoscience and Mineral Resources (KIGAM)
Adélie Delacour	Université Jean Monnet
<b>Matthew Fantle</b>	<b>Pennsylvania State University</b>
Irina Filina	University of Nebraska - Lincoln
Michael Gurnis	California Institute of Technology (Caltech)
Ron Hackney	Geoscience Australia
Morihisa Hamada	Japan Agency for Marine-Earth Science and Technology (JAMSTEC)
Jens Kallmeyer	GFZ German Research Centre for Geosciences
<b>Hiroko Kitajima</b>	<b>Texas A&amp;M University</b>
Junichiro Kuroda	JAMSTEC
Jon Lewis	Indiana University of Pennsylvania
<b>Zhifei Liu</b>	<b>Tongji University</b>
Andrew McCaig	University of Leeds
Ken Miller	Rutgers The State University of New Jersey (SEP Co-Chair)
Hajime Naruse	Kyoto University
<i>Koichiro Obana</i>	<i>JAMSTEC</i>
Yusuke Okazaki	Kyushi University
<b>Beth Orcutt</b>	<b>Bigelow Laboratory for Ocean Science</b>
<b>Dhananjai Pandey</b>	<b>National Center for Antarctic and Ocean Research</b>
Kevin Pickering	University College London
Werner Piller	University of Graz
Brandi Reese	Texas A&M University – Corpus Christi
Yair Rosenthal	Rutgers University
Reed Scherer	Northern Illinois University
Susanne Straub	Lamont-Doherty Earth Observatory - Columbia University
Hiroko Sugioka	Kobe University
Kazuyo Tachikawa	CEREGE, Aix-en-Provence, France
Hitoshi Tomaru	Chiba University
<i>Bill Ussler</i>	<i>MBARI</i>
Heiner Villinger	University of Bremen

Site Subgroup

---

<i>Jan Behrmann</i>	<i>GEOMAR</i>
Rebecca Bell	Imperial College London

Calvin Campbell	Geological Survey of Canada - Atlantic
Anil Chaubey	National Institute of Oceanography - India
Gail Christeson	University of Texas at Austin
Weiwei Ding	Second Institute of Oceanography, State Oceanic Administration
Chris Elders	Curtin University
Jorge Figueiredo	Federal University of Rio de Janeiro
Louis Géli	IFREMER
Andrew Goodliffe	The University of Alabama
Sean Gulick	University of Texas at Austin (SEP Co-Chair)
Matt Hornbach	Southern Methodist University
Priyank Jaiswal	Oklahoma State University
Kiichiro Kawamura	Yamaguchi University
Seung-Sep Kim	Chungnam National University - Korea
Ross Parnell-Turner	Scripps Institution of Oceanography, UCSD
Michele Rebesco	Istituto Nazionale di Oceanografia e di Geofisica Sperimentale
Michael Riedel	GEOMAR – Helmholtz Centre for Ocean Research Kiel
Eli Silver	University of California Santa Cruz
Harold Tobin	University of Wisconsin - Madison
Guangfa Zhong	Tongji University

## Liaisons and Observers

---

Jamie Allan	NSF
Carl Brenner	USSSP – LDEO (PMO)
Dru Clark	IODP Science Support Office (SSO) - UCSD/SIO
Sarah Davies	ECORD - ESO
Nobu Eguchi	CDEX
Helen Feng	SSO - UCSD/SIO
Jeff Gee	SSO - UCSD/SIO
Holly Given	SSO - UCSD/SIO
Zhen Guo	IODP-China – Tongji University (PMO)
Tobias Hoefig	JR Science Operator (JRSO) - TAMU
Barry Katz	EPSP Chair
Dick Kroon	IODP Forum Chair
Denise Kulhanek	JRSO - TAMU
Mitch Malone	JRSO - TAMU
Lisa McNeill	SEP Co-Chair Elect
Stephanie Mumma	SSO - UCSD/SIO
Clive Neal	JRFB Chair - University of Notre Dame
Chris Olsen	SSO - UCSD/SIO
Katerina Petronotis	JRSO - TAMU
Angela Slagle	USSSP - LDEO
Karen Stocks	SSO - UCSD/SIO
Gabi Uenzelmann-Neben	ECORD FB Chair
Michiko Yamamoto	SSO - UCSD/SIO
Alan Yang	SSO - UCSD/SIO

Unable to attend

Attending as alternate

**Science Evaluation Panel (SEP) Meeting**  
**8-10 January 2019**  
**Scripps Institution of Oceanography, UCSD, La Jolla, CA**

**Tuesday**

**January 8, 2019**

**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. Clive Neal presented updates on the activities of the JR Facility Board (support for a drilling program beyond 2023, National Science Board renewal, scientific community input at international meetings).

*2.2 NSF Report*

The NSF report was not presented due to the partial government shutdown.

*2.3 JR Science Operator Report*

Dr. Mitch Malone, JRSO Liaison, presented highlights of the JR's recent expeditions, operational challenges that were resolved (dry dock damage in Subic Bay and new propeller installation), and personnel updates.

*2.4 EFB, ECORD Science Operator Report*

Dr. Gabi Uenzelmann-Neben, ECORD Facility Board (EFB) Chair presented a report on main EFB activities and Progress Update (status and schedule of drilling proposals at the EFB and the 4 MSP proposals currently at SEP).

*2.5 CIB and CDEX Report*

Center for Deep Earth Exploration (CDEX) liaison, Dr. Nobu Eguchi provided the CIB (*Chikyu* IODP Board) and CDEX Report (Lorde Howe Rise project postponement, NanTroSEIZE completion, new JAMSTEC 7-year term).

For the content of these reports from IODP Entities, please see the presentation slides that are posted by the organization's name at <http://www.iodp.org/sep-presentations/sep-2019-january-presentations>.

### 3. Science Support Office Report

Dr. Holly Given, IODP Science Support Office (SSO) Executive Director, introduced the SSO staff present and reported on proposal statistics and activities of the Science Support Office.

The content of Dr. Given's presentation is posted as SEP 2019 January SSO Report on <http://www.iodp.org/sep-presentations/sep-2019-january-presentations>.

### 4. Proposal Review and Advisory Process

#### 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, then Drs. Miller and Gulick summarized the panel's proposal review procedures.

Dr. Miller and Dr. Gulick's presentation is posted as SEP 2019 January Review Process Report at <http://www.iodp.org/sep-presentations/sep-2019-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 9, 2019**

**08:30-17:00**

#### 5.1 Revised Full Proposals (continued)

The SEP continued their reviews of revised proposals.

Incoming SEP Co-Chair Dr. Lisa McNeill, Expedition 381 Co-Chief Scientist, gave a science talk on the aforementioned expedition, Corinth Active Rift Development.

#### 5.1 Revised Full Proposals (continued)

The SEP completed their reviews of revised proposals.

#### 5.2 New Proposals

The SEP began their reviews of new proposals.

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

**Thursday**

**January 10, 2019**

**08:30-17:00**

SEP members Dr. Junichiro Kuroda, who was a member of the science party, gave a short science talk on Expedition 369 Australia Cretaceous Climate and Tectonics.

#### 5.2 New Proposals (continued)

The SEP completed their reviews of new proposals.

#### 5.3 Scheduled Proposals

The SEP reviewed a scheduled proposal with new data submitted, as requested by the EFB.

## 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.

ID	Type	PI	Title	Outcome
814	Full2	Joseph Stoner	Greenland Ice Sheet	Deactivate
851	Full	Mitchell Lyle	Cenozoic Northwest Atlantic Transect	External Review
857C	Full	Claudia Bertoni	DREAM: Lago-Mare Deposits	Revise
888	Full2	Robert Stern	Aleutian Basin Formation	Deactivate
909	Full2	Paul Knutz	NW Greenland Glaciated Margin	External Review
910	Full2	Alberto Malinverno	Continental Margin Methane Cycling: Rio Grande	External Review
929	Full2	Steven D'Hondt	Blake Nose Subseafloor Life	External Review
933	Full	Torsten Bickert	NW African Continental Margin Climate	Revise
937	Full	Andrew McCaig	Deepening Hole U1309D	Revise
941	Full	Yasuhiko Ohara	Godzilla Megamullion Lithosphere Architecture	Revise
942	APL	Ian Hall	Site 1089 Reoccupation	Deactivate
943	Full	Tim Reston	Galicia Margin Rifting	External Review
944	Full	Ritske Huisman	Mid-Norwegian Continental Margin Magmatism	Revise
945	Full	Luigi Jovane	Brazilian Equatorial Margin Paleooceanography	Revise
946	Full	Henry Dick	Kane Megamullion Lower Crust	Deactivate
947	Pre	William Wilcock	Cascadia Borehole Observatories	Revise
866	Full2	Michael Strasser	Japan Trench Paleoseismology	Stay at EFB

	<i>Revised</i>
	<i>New</i>
	<i>Scheduled</i>

## 7. Reviewer / Co-Chief Recommendations

The Co-Chairs asked the SEP for external reviewer recommendations for the following proposals: 851 (Lyle – Cenozoic Northwest Atlantic Transect), 909 (Knutz – NW Greenland Glaciated Margin), 910 (Malinverno – Continental Margin Methane Cycling: Rio Grande), 929 (D'Hondt – Blake Nose Subseafloor Life), and 943 (Reston – Galicia Margin Rifting). No Co-Chief nominations were requested.

## 8. Schedule of Next SEP Meeting

The Co-Chairs announced that the next SEP meeting is scheduled for 25-27 June 2019 in Edinburgh, Scotland, and the group determined that the January 2020 meeting is planned for 7-9 January 2020 in La Jolla, CA. It is likely that June 2020 SEP will be in Trieste, Italy.

## **9. Upcoming IODP Planning Meetings and Ideas for the Future**

Dr. Clive Neal noted that there are 4 upcoming international workshops, which are important for the future of IODP and scientific ocean drilling:

- 2-3 April 2019 in Yokohama, Japan – Scientific Drilling Beyond 2023
- 6-7 April 2019 in Vienna, Austria – PROCEED: Expanding Frontiers of Scientific Ocean Drilling
- 14-16 April 2019 in Canberra, Australia – ANZIC: Scientific Drilling Beyond 2023
- 6-7 May 2019 in Denver, CO, USA – NEXT: Scientific Ocean Drilling Beyond 2023

SEP members had a brief open discussion for ideas for a next-phase drilling program. Some suggestions included: Drilling in deeper water (> 6500 m) and a riser ship that can work in deep water; the capability to drill (e.g., shallow APC) in only 50-100 m of water; a way to include larger science parties; the capability to explore the continent-water interface; a concern about obtaining 3-D seismic data; a way to routinely fund expeditions that require riser drilling; emphasizing planetary analogies (volcanism, rifting, biosphere, impacts, etc.) in the science discussion.

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

- Calvin Campbell
- Louis Géli
- Jens Kallmeyer
- Andrew McCaig
- Ken Miller
- Werner Piller
- Michael Riedel
- Heiner Villinger

**17:00 Meeting Adjourned**