



INTERNATIONAL OCEAN DRILLING PROGRAMME

IODP³ Science Evaluation Panel (SEP) Meeting

25 September 2025, Virtual Meeting

Roster

Science Subgroup:

Masataka Kinoshita (Co-Chair)	Earthquake Research Institute, The University of Tokyo, Japan
Clara Bolton	CEREGE, France
Anne Briaais	Institut Universitaire Européen de la Mer, France
Marianne Conin	Université de Lorraine, France
Gerald Dickens	University of Dublin, Ireland
Anna Joy Drury	University of Leicester, UK
Jörg Geldmacher	GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany
Yumiko Harigane	National Institute of Advanced Industrial Science and Technology, Japan
Michelle Harris	University of Plymouth, UK
Keiji Horikawa	University of Toyama, Japan
Tatsuhiko Hoshino	Kochi Institute for Core Sample Research, JAMSTEC, Japan
Matt Ikari	MARUM, Bremen, Germany
Taiki Katayama	Geological Survey of Japan, AIST, Japan
Erin McClymont	Durham University, UK
Ayumu Miyakawa	Geological Survey of Japan, AIST, Japan
Takashi Miyazaki	JAMSTEC, Japan
Yusuke Okazaki	Kyoto University, Japan
Alessio Sanfilippo	University of Pavia, Italy
Maria Seton	University of Sydney, Australia
Erika Tanaka	Kochi University, Japan
Hildegard Westphal	University of Bremen, Germany

Site Subgroup:

Tim Reston (Co-Chair)	University of Birmingham, UK
Miho Asada	Geological Survey Japan, AIST
Laura De Santis	OGS Trieste, Italy
Wolfram Geissler	Alfred Wegener Institute, Germany
Jess Hillman	NIWA, New Zealand
Kan-His Hsiung	JAMSTEC, Japan
Gilles Lericolais	Ifremer, France
Maria Filomena Loreto	ISMAR, Italy
Jonas Preine	University of Hamburg, Germany

Kazuya Shiraishi
Yuzuru Yamamoto

JAMSTEC, Japan
Kobe University, Japan

Liaisons and Observers:

Chiara Amadori	IODP ³ Science Office, Proposals and Meetings Manager
Nobu Eguchi	IODP ³ Science Office, Co-Director
Jodie Fisher	IODP ³ Science Office, Communications, Applications and EDI Manager
Jun-Ichiro Ishibashi	J-DESC, Japan
Myriam Kars	IODP ³ Science Office, Publications Manager
Lena Maeda	MarE3, JAMSTEC, Japan
Antony Morris	IODP ³ Science Office, Lead Director
Marisa B. Rydzy	ECORD Science Operator
Sean Toczko	MarE3, JAMSTEC, Japan
Sasha Turchyn	IODP ³ MSP-FB Co-Chair

Minutes

1. Welcome and Logistics

The Science Evaluation Panel (SEP) Co-Chairs Tim Reston and Masa Kinoshita called the meeting to order with a welcome and asked attendees to perform self-introductions. They requested acceptance of the Agenda, and reminded those in attendance of the requirement to keep proposal content and discussions confidential.

2. Reporting

- **Science Office update:** Antony Morris updated SEP on the MSP-FB and ExB approval of the SPARC proposals they endorsed in their May meeting in Vienna, and requested the associated SEP watchdogs to serve as reviewers of the Scientific Prospectuses for these upcoming SPARC expeditions (all agreed). He introduced the new SEA Group review process and guidelines, approved by the SEA Group Chair and previously reviewed by the SEA Group members. These guidelines are now ready for MSP-FB approval, to be sought by email exchange with the MSP-FB Co-Chairs. The document outlines how the SEA Group will provide reviews at each stage of the journey of a drilling proposal through the SEP evaluation process, via Advisory, Interim and Full SEA Group review stages. Finally, he showed the rotation scheme for SEP members agreed with the SEP Co-Chairs. This involves a step-wise reduction in overall SEP membership to reach a stable number of 30 members by 2027, while allowing new members to join via annual calls for applications each September.
- **MSP-FB update:** Sasha Turchyn outlined discussions held at the last iMSP-FB meeting in May 2025 in Japan. At this meeting the iMSP-FB recommended scheduling of the Advanced Implementation Plan of proposal P1106 as part of Expedition 502 in 2025, using the expedition numbering 502E. The meeting also considered 16 drilling proposals for potential selection as an IODP³ expedition in 2027, some of which were excluded from detailed discussion due to costs exceeding available budgets. Following discussion, the iMSP-FB recommended scheduling of proposal P1004 “Nadir Impact Crater” in 2027, subject to receiving a satisfactory external risk analysis. If this risk analysis precludes implementation of proposal P1004, the iMSP-FB recommended implementation of proposal P941 “Godzilla Megamullion” as an alternative for

the 2027 expedition. Further details of the outcomes of the May 2025 MSP-FB meeting may be found on the IODP³ website ([here](#))

- **SEA Group update:** Katharina Hochmuth (SEA Group Chair) outlined the purpose of the SEA Group and its current membership (available on the IODP³ website). She also updated SEP on the outcomes of the recent SEA Group reviews of proposals P1105 and P1012. major safety concerns were raised about planned sites for P1005, and only a few outstanding issues for P1012. Full details of these evaluations may be found on the IODP³ website ([here](#)).
- **Science report:** Marisa Rydzy presented highlights from the joint IODP³-NSF Expedition 501 “New England Shelf Hydrogeology”, which was a great success.

3. Proposal Reviews

Over the three-hour meeting, the SEP reviewed two proposals that were resubmitted to IODP³. These consisted of: (i) one Full offshore proposal; and (ii) one Preliminary offshore proposal.

The review outcomes are in the table below.

Proposal Number	Type	Lead Proponent	Short Title	Recommendation
1109	Preliminary	Yuki Morono	Go Beyond the Limit (GBL) drilling	Proceed to Full
1110	Full	Eberhard Gischler	Belize Barrier Reef (BBRdrill)	Revise to Full2

4. Next Meeting

The next IODP³ SEP will be scheduled as an in-person meeting in April 2026 in Japan.