



INTERNATIONAL OCEAN DRILLING PROGRAMME

IODP³ Interim Science Evaluation Panel (iSEP) Meeting

3 – 5 May 2025, Austrian Academy of Sciences, Vienna (hybrid meeting)

Roster

Science Subgroup:

Masataka Kinoshita (Co-Chair)

Gerald Auer	Earthquake Research Institute, The University of Tokyo, Japan
Clara Bolton	University of Graz, Austria
Anne Briaïs	CEREGE, France (online)
Marianne Conin	Institut Universitaire Européen de la Mer, France (online)
Gerald Dickens	Université de Lorraine, France
Anna Joy Drury	University of Dublin, Ireland
Jörg Geldmacher	University of Leicester, UK
	GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany (online)
Mari Hamahashi	Yamaguchi University, Japan (online)
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 (online)
Matt Ikari	MARUM, Bremen, Germany
Taiki Katayama	Geological Survey of Japan, AIST, Japan
Kenji Matsuzaki	The University of Tokyo, Japan
Erin McClymont	Durham University, UK
Ayumu Miyakawa	Geological Survey of Japan, AIST, Japan (online)
Takashi Miyazaki	JAMSTEC, Japan
Yusuke Okazaki	Kyoto University, Japan (online)
Alessio Sanfilippo	University of Pavia, Italy
Maria Seton	University of Sydney, Australia (online)
Erika Tanaka	Kochi University, Japan (online)
Mike Weber	University of Bonn, Germany
Hildegard Westphal	University of Bremen, Germany
Kosei Yamaguchi	Toho University, Japan

Site Subgroup:

Tim Reston (Co-Chair)

Miho Asada	University of Birmingham, UK
Laura De Santis	Geological Survey Japan, AIST (online)
Wolfram Geissler	OGS Trieste, Italy
Yoshitaka Hashimoto	Alfred Wegener Institute, Germany
Jess Hillman	Kochi University, Japan
Kan-His Hsiung	NIWA, New Zealand
Gilles Lericolais	JAMSTEC, Japan (online)
Maria Filomena Loreto	Ifremer, France (online)
	ISMAR, Italy

Jonas Preine	University of Hamburg, Germany
Kazuya Shiraishi	JAMSTEC, Japan
Yuzuru Yamamoto	Kobe University, Japan

Liaisons and Observers:

Chiara Amadori	IODP ³ Science Office, Proposals and Meetings Manager
Christoph Beier	University of Helsinki, Finland (Guest) (online)
Angelo Camerlenghi	OGS, Trieste, Italy
Nobu Eguchi	IODP ³ Science Office, Co-Director/MarE3, JAMSTEC, Japan
Jodie Fisher	IODP ³ Science Office, Communications, Applications and EDI Manager
Jun-Ichiro Ishibashi	J-DESC, Japan (online)
Myriam Kars	IODP ³ Science Office, Publications Manager
Lena Maeda	MarE3, JAMSTEC, Japan (online)
Antony Morris	IODP ³ Science Office, Lead Director/
Yusuke Kubo	Kochi Core Center, Japan (online)
Rie Nakata	Lawrence Berkeley National Laboratory, USA (Guest) (online)
Natsumi Okutsu	MarE3, JAMSTEC, Japan (online)
Ulla Röhl	BCR, MARUM, Bremen
Marisa B. Rydzy	ECORD Science Operator
Sanny Saito	MarE3, JAMSTEC, Japan (online)
Nobi Seama	IODP ³ MSP-FB Co-Chair (online)
Sean Toczko	MarE3, JAMSTEC, Japan (online)
Sasha Turchyn	IODP ³ MSP-FB Co-Chair
Gabi Uenzelmann-Neben	Alfred Wegener Institute, Germany (online)

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. The Co-Chairs and existing SEP members welcomed the many new members joining for their first SEP meeting.

2. Reporting

- **Introduction to IODP³, the Gateway System and Proposal Guidelines:** Antony Morris provided an overview of IODP³ for new members, including the programmatic structure, an introduction to the members of the Science Office team, the IODP³ Gateway and the *Proceedings of the International Ocean Drilling Programme*. The presentation highlighted changes in practice from the *International Ocean Discovery Program* (“IODP2”) phase of ocean drilling, including the four different routes to offshore expedition Science Team membership, changes to the sizes of Science Teams, variable duration of offshore expeditions, and a brief introduction to the new “Scientific Projects using Ocean Drilling Archives (SPARCs)” scheme. He then presented the planned generic calendar of IODP³ deadlines and meetings, before demonstrating the proposal submission system within the IODP³ Gateway online environment.
- **MSP-FB Update:** Sasha Turchyn outlined the discussions held at the MSP-FB (held virtually on 27 February 2025), where 15 of the proposals regraded by SEP at their meeting on 17-18

February 2025 were considered for scheduling. The MSP-FB recommended Proposal 1012 “GLACE-NS” for implementation by ESO as an IODP³ expedition in 2026.

- **Overview of the SPARC Scheme:** Antony Morris gave a detailed presentation on the SPARC scheme, ahead of the first SEP discussion of SPARC proposals. He explained each step of the scheme from submission to funding decisions, as outlined in the SPARC proposal guidelines. As a result of discussions with SEP members during the meeting, and consultation with the members of the IODP³ Working Group in attendance at the meeting, two small modifications to the scheme were agreed: (i) allowing SEP to provide feedback on minor improvements to proposals that they wish to endorse. This feedback must be taken into account by proponents when writing their SPARC Scientific Prospectuses if their proposal is selected for implementation by the MSP-FB; and (ii) whenever possible, SEP Watchdogs should be assigned as external reviewers of such Scientific Prospectuses by the Editorial Board of the *Proceedings of the International Ocean Drilling Programme* to ensure integration of any SEP feedback.

3. Proposal Reviews

Over the three-days of the meeting, the SEP reviewed 11 proposals. These consisted of: (i) two IODP2 Full offshore proposals that were resubmitted to IODP³; (ii) three new Full offshore proposals and one new Preliminary offshore proposal; (iii) a Land-to-Sea Workshop proposal and a Land-to-Sea Preliminary proposal, already reviewed by the ICDP SAG; and the first three SPARC proposals received by IODP³.

The review outcomes are in the table below.

Proposal Number	Type	Lead Proponent	Short Title	Recommendation
732	IODP2 Full2	Robert Larter	Antarctic Peninsula Sediment Drifts	waiting room
971	IODP2 Full2	Alessio Sanfilippo	Kane Megamullion Deep Drilling	Very Good (essential plan), Excellent (intermediate plan)
1105	Full	Rie Nakata	Hyuga-Nada Observatory	Excellent (essential plan)
1106	Full	Patrick Fulton	JTRACK observatory redeployment	Excellent (advanced plan)
1103	Full	Erika Tanaka	The Renaissance of the oldest Pacific sediments	Declined, with encouragement to submit new proposal
1107	Preliminary	Tianhaozhe Sun	Northern Cascadia Borehole Observatories	Revise to Full
1100-L2S-WS	L2S Workshop	Morgan Jones	Svalbard Sedimentary Record L2S	Declined, with encouragement to submit new proposal
1101-L2S-Pre	L2S Preliminary	Michael Riedel	THAW: Thawing of permafrost and cryosphere-associated gas hydrates by Arctic warming	Proceed to Workshop proposal
1102-S	SPARC	Robert Musgrave	The volcanic ash record from Ontong Java Plateau	Endorsed
1108-S	SPARC	Adam Woodhouse	ENIGMA: Exploration Into a Global early Miocene Anomaly	Endorsed (with feedback)
1104-S	SPARC	David Hodell	SIGNALS - Stratigraphic InteGration of North Atlantic Legacy Sites	Endorsed

4. Next Meeting

The next IODP³ SEP is scheduled as a virtual meeting on 25 September 2025.