



INTERNATIONAL OCEAN DRILLING PROGRAMME

IODP³ Interim MSP Facility Board (iMSP-FB) Meeting 20 – 22 May 2025, JAMSTEC Headquarters, Yokosuka, Japan (and Zoom)

Roster

MSP-FB Science Board Members:

Nobi Seama

Sasha Turchyn

Tom Dunkley Jones

Marguerite Godard

Junichiro Kuroda

Yuki Morono

Hajime Naruse

Michele Rebesco

Gabi Uenzelmann-Neben

Jody Webster

IODP³ MSP-FB Co-Chair, Kobe University, Japan

IODP³ MSP-FB Co-Chair, University of Cambridge, UK

University of Birmingham, UK

University of Montpellier, France

University of Tokyo, Japan

JAMSTEC, Japan

Kyoto University, Japan

OGS, Trieste, Italy

Alfred Wegener Institute, Germany

University of Sydney, Australia

MSP-FB Members:

Tomas Andersson

Angelo Camerlenghi

Gilbert Camoin

Nobu Eguchi

Ron Hackney

Annalisa Iadanza

Shiichi Kodaira

Rikiya Konishi

France Lagroix

Guido Lüniger

David McInroy

Sanny Saito

ECORD Council Core Group, Sweden

OGS, Trieste, Italy

ECORD Managing Agency, Director

MarE3, JAMSTEC, Japan/IODP³ Science Office, Co-Director

ANZIC Director, ANU, Australia

ECORD Council Core Group, Italy

JAMSTEC Executive Director

MEXT, Japan

ECORD Council Core Group, France

ECORD Council Core Group, Germany

ECORD Science Operator, BGS, Edinburgh, UK

J-DESC, JAMSTEC, Japan

Liaisons and Observers:

Chiara Amadori

Sarah Davies

Jodie Fisher

Nadine Hallmann

Jun-Ichiro Ishibashi

Myriam Kars

Masataka Kinoshita

Jonathan Law

IODP³ Science Office, Proposals and Meetings Manager

ECORD Science Operator, University of Leicester, UK

IODP³ Science Office, Communications, Applications and EDI
Manager

ECORD Managing Agency, Deputy Director

J-DESC, JAMSTEC, Japan

IODP³ Science Office, Publications Manager

SEP Co-Chair, Earthquake Research Institute, The University
of Tokyo, Japan

ANZIC, Independent Chair

Antony Morris
Yasuhiro Namba
Tim Reston
Ulla Röhl
Sean Toczko

IODP³ Science Office, Lead Director
MarE3/JAMSTEC, Japan
SEP Co-Chair, University of Birmingham, UK
BCR, MARUM, Bremen
MarE3/JAMSTEC, Japan

Minutes

1. Welcome and Logistics

The iMSP-FB Co-Chairs (Nobukazu Seama and Sasha Turchyn) welcomed all to the meeting and introduced themselves. The Co-Chairs asked for approval of the agenda, which was accepted, and then explained the logistics of the meeting both in person and online. All attendees introduced themselves and their roles (in person and online).

2. Introduction to IODP³ and update on memberships

Gilbert Camoin (IMA/EMA Director) outlined the current status of IODP³ and of potential collaborations with other programmes that would benefit our science communities. This includes potential collaborations with the nascent US and China ocean drilling programmes, previous non-platform provider members of the *International Ocean Discovery Program* (India, Brazil and South Korea), as well as with ICDP via the Land-to-Sea proposal scheme.

The approval process for the IODP³ ECORD/Japan agreement started in 2024, and the agreement is now being finalised. The final version of the agreement has been sent by the CNRS legal department to Japan for final checks and signatures by the Japanese Ministry of Foreign Affairs. The agreement with ANZIC to become an IODP³ Associate Member is near completion. An agreement is already in place for US-owned cores to remain in their current locations in the IODP core repositories and open access to these resources will remain. NSF is Temporary Member of IODP³ in 2025 via its co-funding of IODP³-NSF Expedition 501. Negotiations are ongoing with Brazil to become an IODP³ Associate Member. There is no news from India on membership yet.

3. Approval of Terms of Reference and Guidance documents

Antony Morris (Lead Director of the IODP³ Science Office) introduced the ToR and guideline documents that require approval, and some updates that need consideration, particularly related to authorship and extension of moratorium periods in case of high-impact paper development. Members were asked to read these documents for a vote on Day 2 of the iMSP-FB meeting.

4. iMSP-FB updates

Sasha Turchyn gave an overview of the iMSP-FB and the merger of the Chikyu IODP Facility Board and the ECORD Facility Board to form the current MSP-FB. Sasha will rotate off as Co-Chair at the end of 2025, and Nobu at the end of 2026. IODP³-NSF joint Expedition 501 has been implemented in May 2025. Proposals P939 and P1010 are to be implemented as IODP³ Expeditions 502 and 503 later this year. The first iMSP-FB meeting (online) in February 2025 decided to implement P1012 (GLACE-NS) in 2026. Sasha thanked Kyoko Okino and Michele Rebesco for their service on the iMSP-FB, CIB and EFB.

5. Expeditions update

Nobu Eguchi (MarE3 Director and IODP³ Science Office Co-Director) summarised the achievements and outreach activities of IODP Expedition 405. Its first postcruise meeting was held on 20-25 April 2025 at TAMU (USA). The second postcruise meeting will take place 8-10 October 2025 at Tohoku University (Japan). Expedition 405 operations lasted 106 days with great improvements on operational criteria (downtime reduction, re-engaging tool, better recovery).

David McInroy (ESO Director) gave updates on Expedition 501, the first IODP³-NSF joint expedition (co-funded by NSF). The expedition started on the 19th May and will run until 8th August. The scope of the expedition changed to reflect a shorter time at sea because of a later expedition start. Sites will not be drilled as deep or the last borehole will not be drilled if results from the other sites are good. Dave ran through the technologies being used and thanked the NSF Division of Ocean Science for huge assistance. Permissions were granted by the US Department of State, and US Army Corp (the latter leading to the delays in the expedition start). Relevant stakeholders were consulted, including Tribal Historic Preservation; NSF colleagues helped to guide ESO through these consultations. TAMU produced the Environmental Assessment (available online). The Expedition 501 website with all activities is on the ECORD website. Expedition 501 statistics were provided.

Scheduling of P1012 (GLACE-NS) is recommended for summer 2026. Meetings with interested providers have happened. The SEA Group will assess the site data, and Co-Chief Scientists will be identified.

Natsumi Okutsu (MarE3, EPM for Expedition 502) and Nobu Eguchi provided updates on IODP³ Expedition 502. Asuka Yamaguchi is one of the Co-Chiefs, Hiroko Kitajima from TAMU is still waiting for USA financial support update but she has informally accepted the role of Co-Chief. 31 Science Team members were selected: 24 are offshore and 7 are research plan only. Invitation letters will be sent by the end of May-early June. A Special Call for a paleomagnetist will go out.

Lena Maeda (MarE3, EPM for Expedition 503) gave updates on IODP³ Expedition 503. Ken Ikehara and Michael Strasser are the Co-Chiefs. The expedition will sail from 24 November until 10 December 2025. 27 scientists were selected in April. A Special Call for an organic geochemist had 6 applicants, and the EPM and Co-Chiefs will shortly select one.

6. Reports from IODP³ members

Gilbert Camoin provided updates for ECORD. There are now 14 members in ECORD with agreement valid until 2029. They have been contacted by other potential members. The ESSAC Office will move from Trieste to Stockholm (2026-2028). The ECORD Managing Agency (EMA) will stay in France at CNRS-INSU (Paris) and CEREGE (Aix). Gilbert steps down as EMA Director at the end of 2025, and from 2026-2029 Nadine Hallmann will be the new EMA Director. The ECORD Science Operator remains as BGS Edinburgh and core and data management remains at the BCR in Bremen (Germany). Mike Webb will soon become the Chair of the ECORD Council, succeeding Annalisa Iadanza whose term ends in June 2025. Nicole Beneventi has started as the new ECORD outreach lead.

Nobu Eguchi for JAMSTEC presented their last 2019-2025 plan and their new 2026-2032 plan for the *Chikyu*. The *Chikyu* is currently in dry dock having repairs (azimuth thruster container maintenance) and the proposed operations schedule was presented. Special operations took place in March-November 2025, with inspection and maintenance of derrick top. Two IODP³ Expeditions are scheduled in 2025 (502 and 503). No *Chikyu* operations are possible in 2026.

Ron Hackney (ANZIC Director) presented a report on the ANZIC consortium, made up of 19 Australian and NZ universities and government agencies. Australia provided funding to 30 June 2027 and New Zealand to 30 June 2026. ANZIC has commitment to IODP³ for 3 years and is holding funds for participation in the US and China scientific drilling programmes that come online in 2026. They have also been in contact with India and South Korea to expand the ANZIC consortium but have received no news yet. ANZIC is a member of ICDP. Ron mentioned the possibility of involving ice breaker RSV *Nuyina* with IODP³.

Gilbert updated the iMSP-FB on relationships with other drilling programmes (NSF, China). Discussions with NSF need to be restarted. The possibility of China becoming a member of IODP³ is

to be discussed at the ExB on Friday (23 May 2025). There are discussions with India and Brazil, but no news from South Korea.

7. Organisation updates

Tony Morris summed up the Science Office mandate, budget and staffing, including changes to staffing compared to that outlined in the approved bid to host the office, and introduced the 5 staff. The development of the IODP³ Gateway system is well-advanced and the new Site Characterisation Database is under construction.

Tim Reston and Masataka Kinoshita (SEP Co-Chairs) gave updates on the iSEP. Tim gave an update on what is SEP and its mandate, including an overview of the review and rating system, the watchdogs and the characterisation of site survey data. The SEA Group is now in place so can be consulted on future proposals. New members to SEP met in Vienna (May 2025) after EGU to decide about proposals to be send to the iMSP-FB.

Sarah Davies (ESO) gave an overview of staffing and specific team activities at the University of Leicester (UK) and University of Montpellier (France). New logging tools were acquired. The ECORD Downhole Logging Summer School is to be held in Leicester, which is now also the UK host for core replicas.

Ursula Röhl (BCR Curator) gave an overview of the IODP Expedition 403 sampling party. Planning has started for the Expedition 501 onshore work to be done in mid-January to mid-February 2026. Planning to host SPARCs is in progress. There is a new building with a new reefer. Ulla emphasized the fact that is very important that all repositories follow the same policies. Data management with PANGAEA continues. ESO outreach, ECORD summer school, and training courses are all continuing.

Yusuke Kubo (KCC Curator) provided updates on KCC activities and the JSPS Core2Core Program by Minoru Ikehara (Kochi University). Cores from Expeditions 392 and 405 were received and cores from Expeditions 502 and 503 are expected later in 2025. The KCC-JDESC ReCORD program is continuing.

Gilbert presented the financial budget for IODP³ in 2025 with contributions from ECORD, JAMSTEC, ANZIC and NSF.

8. Reports from IODP³ PMOs

Angelo Camerlenghi (Chair of ESSAC) updated on ESSAC activities. At EGU 2025, the ECORD-ICDP booth, a dedicated scientific drilling session, a townhall meeting, and the GIFT workshop were organised and a meeting with the Chinese SOD delegation took place. Calls for research grants and distinguished lecturers will be open soon. An event as part of the UN Oceans conference in Nice is organised for June 3, 2025. Collation of outreach will be done with IODP³ Science Office.

Sanny Saito (J-DESC Support Office Director) explained the Advisory structure of J-DESC. J-DESC is a consortium of ~ 50 universities and institutions in Japan. The J-DESC Support Office is the PMO for Japan (providing research support for expedition participants, and promoting SPARC submissions). Sanny asked for 1 month following the deadline of future calls to allow for full review of applications and offered some feedback on the application process administered by the IODP³-SO. Sanny also called for a PMO meeting for all IODP³ member PMOs to discuss processes.

Ron Hackney presented ANZIC Science Priorities following its Future Drilling to Explore Earth's Past (Future DEEP) meeting. Macquarie University is leaving the ANZIC consortium, but they are hoping that the University of Newcastle will come onboard, along with a university in Christchurch. National research priorities will be released in August 2024. The annual ANZIC forum is on 11-12 June 2025 in Auckland, NZ, entitled "Lost at Sea". This will look at who ANZIC is, and where they are going, to define 5-year strategic plan and clear brand identity. ANZIC is 65% Australia and 35% NZ, and is missing expertise in habitability and life. Ron presented opportunities for the science

community. The legacy asset projects (CORE) provides support to attend training courses, summer schools, and there is a first nation focus. There were 21 applications for this in 2024. The ANZIC Masterclass is now open to all of the IODP³ community. CAPSTAN (the Collaborative Australian Postgraduate Sea Training Alliance Network) ran an at-sea training event on the R/V *Investigator* that took place in March 2025 (104 applications - 25 scientists selected) that circumnavigated Tasmania. Only Australia is involved in this at the moment, but the goal is to include NZ in the future. Ron invites anyone interested in doing something similar to get in touch. ANZIC annual reports are available on the website.

9. SPARC scheme overview

Tony Morris introduced the SPARCs scheme. These are large scale projects addressing globally significant processes. The IODP³ website hosts documents and guidelines to aid engagement. Unlike LEAPs which had no funding and had pre and full proposal stages, SPARCs can be approved in just a few months, they have a dedicated *Proceedings* volume and open calls for participation from the community. There is one deadline a year (31 January), and each submitted proposal can be either endorsed or declined by SEP. Implementation plans should be discussed with core repositories. Budgets can be paid to the institution of anyone in the Science Team to administer.

A long Q & A session and discussion of the SPARC scheme and associated processes followed.

10. SPARC Proposals: discussion

The iMSP-FB discussed all 3 SPARC proposals reflecting on the iSEP endorsements of all 3 and whether these be sent to the ExB to approve. A consensus was reached that all 3 of the SPARC proposals (P1108-S, P1104-S and P1102) should be recommended for approval to the ExB. Recommendations of Co-Chiefs will also be made by the iMSP-FB.

11. Drilling proposal summaries

Each proposal that had been rated by iSEP at meetings in February 2025 and May 2025 were summarised by the iSEP Co-Chairs, enabling the MSP-FB to ask questions and discuss each in more detail, before moving on to discussions of which to implement in 2027.

12. Scheduling recommendations for 2027/2028

The iMSP-FB discussed the scheduling options multiple times over the course of the meeting, with consensus forming on Proposals 1106, 1004 and 941. Proposal 1106 will be implemented as 502E mobilizing before Expedition 502 with no Science Team and just 8 days of operation. Proposal 1106 is awaiting a risk assessment report. If favourable this proposal will be implemented in 2027. If the risk is too high Proposal 941 will instead be scheduled. Opportunities to work with other programmes in the future were also discussed and it is hoped collaborations will be possible in future years.

13. Recommendations for SPARCs Co-Chiefs

Usually Co-Chiefs are nominated by SEP – this time only it will be done by the iMSP-FB. Lead proponents will be one of the Co-Chiefs, the second will be chosen from the proponents taking into account career stage, gender and geographic location relative to the first Co-Chief.

Final nominations:

P1102-S: Robert Musgrave and Ann Dunlea

P1104-S: David Hodell and Arisa Seki

P1108-S: Adam Woodhouse and Jennifer Kasbohm

14. Publications Policy and Moratorium

Tony Morris outlined two issues to discuss.

- Impact of the delay in publication of an Expedition Summary due to plans for a high-impact paper on the second call for Science Team members .

Consensus solution: issue the second calls and require potential applicants to contact the Co-Chief Scientists to discuss their plans prior to submission. Include basic expedition findings in the text of the second calls, along with suggestions from the Co-Chief Scientists for research fields that can add value to the expedition outcomes.

- SPARC and offshore expedition authorship guidelines.

Consensus: authorship of both offshore and SPARC expedition outputs should include all Science Team members (named individually where possible) for a period of three years, from the start of the 1-year moratorium period in the case of offshore expeditions and from the expedition start date in the case of SPARCs.

15. Terms of Reference documents

Tim Reston wanted to modify the text of the SEP Terms of Reference to make it clear that responsibility for the safety and environmental evaluation lies with the SEA Group and not the SEP-Site members.

All Terms of Reference were approved by the MSP-FB, with minor modifications to be dealt with by the Directors of the IODP³-SO.

New documents (final versions) with all changes to be made available on the IODP³ website.

16. Next IODP³ MSP-FB meeting

2026: ECORD country TBD

2027: Japan with bid for Tokyo

17. IODP³ iMSP-FB Consensus items

Sasha read out consensus items and comments were reflected by changes to the text. The Consensus items will be sent to MSP-FB members for final approval before being posted on the IODP³ website.