

Scientific Drilling Forum

14 – 15 October 2025, CNR-IAS Research Institute, Mazara del Vallo, Sicily, Italy

Consensus Items

Scientific Drilling Forum Consensus 2025-10-01: The Forum reviewed the draft *Terms of Reference* prepared by the 2024 working group and made several revisions, primarily concerning participation and host rotation. The revised *Terms of Reference* were formally approved by the Forum. Future amendments will be identified by the Forum Planning Committee and presented for approval at a subsequent meeting.

Scientific Drilling Forum Consensus 2025-10-02: The Forum expresses its gratitude to the international working group responsible for preparing the *IODP Achievements* volume, now in its final stages of completion. The Forum looks forward to receiving the completed volume and to its broad dissemination within the global scientific drilling community and beyond.

Scientific Drilling Forum Consensus 2025-10-03: The Forum thanks China for providing an update on the development of infrastructure associated with the Deep Ocean Drilling Program (DODP), including a new core repository. The Forum further acknowledges China's endorsement of the *2050 Science Framework: Exploring Earth by Scientific Ocean Drilling* and commends its clear commitment to ensuring open access to cores and data collected by DODP once operations commence.

Scientific Drilling Forum Consensus 2025-10-04: The Forum recognises that the coordination and management of future expeditions jointly implemented by multiple programmes present complex challenges that cannot be fully addressed until all participating scientific drilling programmes are operational. The Forum therefore encourages continued dialogue and detailed discussion of this topic at a future meeting.

Scientific Drilling Forum Consensus 2025-10-05: The Forum acknowledges the significant and expanding role of artificial intelligence (AI) in enhancing the accessibility of scientific drilling data in accordance with FAIR principles, and in enabling new methods of data interrogation and synthesis. The Forum thanks China for initiating discussion of this topic with the presentation of its E-ODP proposal. The Forum further recognises substantial progress already made by research teams internationally and recommends that an expert workshop be convened at the earliest opportunity to explore pathways for coordinated international collaboration in this domain.

Scientific Drilling Forum Consensus 2025-10-06: The Forum agreed that the 2026 Forum meeting should be held in a location accessible to scientists from all participating communities. It was noted that the meeting could be organised collaboratively by the coordination/science offices of two or more scientific drilling programmes. A decision on the meeting venue was deferred at this time.

Scientific Drilling Forum Consensus 2025-10-07: The Forum expresses its heartfelt thanks to Francesco Petracchini (Director of the CNR Department of Earth System Sciences and Technologies for the Environment) and Giorgio Tranchida (Responsabile of the Capo Granitola site

of the CNR-IAS Research Institute) and his wonderful team for their warm welcome and generous hospitality in hosting the very first Scientific Drilling Forum in the stunning setting of Sicily. Our deep gratitude also goes to the local organising team, led by Annalisa Iadanza and Angelo Camerlenghi, and including Giulia Casalena, Giovan Matteo Di Maggio and many others, whose dedication and enthusiasm made the meeting such a memorable success. Special thanks are due to Chiara Amadori for her exceptional patience in coordinating communications with Forum delegates and for her truly outstanding logistical support. *Vi ringraziamo tutti tantissimo!*

Scientific Drilling Forum 2025 Roster

Scientific Drilling Forum Planning Committee:

Nobi Seama	Kobe University, Japan (IODP ³ Co-Chair)
Gilbert Camoin	ECORD Managing Agency, Director (IODP ³ add. Rep.)
Zhifei Liu	Tongji University, China (IODP China Co-Chair)
Zhen Sun	Guangzhou Marine Geological Survey, China (IODP China add. rep.)
Rebecca Robinson	University of Rhode Island, USA (U.S Ocean Drilling Program Co-Chair)
Angela Slagle	LDEO/Columbia University, USA (U.S Ocean Drilling Program add. Rep.)
Thomas Wiersberg	GFZ, Germany (ICDP Co-Chair)
Katja Heeschen	Potsdam University, Germany (ICDP add. rep.)
Ron Hackney	ANU, Australia (ANZIC Co-Chair)

Participants:

Chiara Amadori	IODP ³ Science Office, Proposals and Meetings Manager
Nicole Beneventi	ECORD Management Agency, CEREGE, France
Angelo Camerlenghi	OGS, Italy
Giulia Casalena	OGS, Italy
Lauro Chiaraluce	INGV, Italy
Yinan Deng	Guangzhou Marine Geological Survey, China
Mai-Linh Doan	CNRS, France
Nobu Eguchi	IODP ³ Science Office, Co-Director
Jodie Fisher	IODP ³ Science Office, Communications, Applications and EDI
Will Grant	ANU, Australia
Sean Gulick	University of Texas at Austin, USA
Nadine Hallmann	ECORD Managing Agency, Deputy Director
Rong Hu	Nanjing University, China
Annalisa Iadanza	CNR - Italy
Jun-ichiro Ishibashi	Kobe University, Japan
Kevin Johnson	University of Hawaii, USA
Luigi Jovane	Instituto Oceanografico da Universidade de Sao Paulo, Brazil
Sarah Kachovich	ANZIC, Australia
Myriam Kars	IODP ³ Science Office, Publications Manager
Hanno Kinkel	OGS. Sgonico, Italy
Masataka (Masa) Kinoshita	ERI, The University of Tokyo, Japan
Yusuke Kubo	Kochi Core Center, Japan
Leah LeVay	Texas A&M University, USA
Yangyang Li	Tongji University, China
Yanan Liu	Second Institute of Oceanography, MNR, China

Chuan-Zhou Liu	Institute of Geology and Geophysics, Chinese Academy of Sciences, China
Guido Luniger	German Research Foundation, Germany
Pengfei Ma	Tongji University, China
Mitch Malone	Texas A&M University, USA
Dave McInroy	British Geological Survey, UK
Yuki Morono	JAMSTEC, Japan
Tony Morris	IODP ³ Science Office, Director
Matthew O'Regan	Stockholm University, Sweden
Tianyue Peng	Guangzhou Marine Geological Survey, China
Ulla Röhl	Bremen Core Repository (BCR), MARUM, Germany
Saneatsu (Sanny) Saito	JAMSTEC-MarE3, Japan
Iris Sonntag	German Research Foundation, Germany
Phaedra Upton	ANZIC, GeoDiscoveryNZ, New Zealand
Helenice Vital	Scientific Ocean Drilling, Brazil

Observers:

Antonino Adamo	Consiglio Nazionale delle Ricerche, Italy
Fulvia Aghib	Consiglio Nazionale delle Ricerche, Italy
Anna Lisa Alessi	Consiglio Nazionale delle Ricerche, Italy
Grazia Maria Armeri	Consiglio Nazionale delle Ricerche, Italy
Girolama Biondo	Consiglio Nazionale delle Ricerche, Italy
Giuseppa Buscaino	Consiglio Nazionale delle Ricerche, Italy
Pietro Calandrino	Consiglio Nazionale delle Ricerche, Italy
Giovan Matteo Di Maggio	Consiglio Nazionale delle Ricerche, Italy
Ferraro, Serena Ferraro	Consiglio Nazionale delle Ricerche, Italy
Ignazio Fontana	Consiglio Nazionale delle Ricerche, Italy
Luigi Giaramita	Consiglio Nazionale delle Ricerche, Italy
Susanna Giorgi	Consiglio Nazionale delle Ricerche, Italy
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Maria Elena Martinotti	Consiglio Nazionale delle Ricerche, Italy
Ilaria Mazzini	Consiglio Nazionale delle Ricerche, Italy
Massimiliano Moscatelli	Consiglio Nazionale delle Ricerche, Italy
Francesco Petracchini	Consiglio Nazionale delle Ricerche, Italy
Francesco Placenti	Consiglio Nazionale delle Ricerche, Italy
Giorgio Tranchida	Consiglio Nazionale delle Ricerche, Italy

Scientific Drilling Forum 2025 Agenda

Tuesday 14th October, 2025

1. Welcome [Chair: Nobi Seama], 30 min

- 1.1. Welcome from the host (Francesco Petracchini), 5 min
- 1.2. Logistics (Annalisa Iadanza, Angelo Camerlenghi), 5 min
- 1.3. Participant Introductions (All), 20 min
- 1.4. Scope and approval of the agenda (All)

2. Discussion of the Forum Terms of Reference [Chair: Becky Robinson], 60 min

- 2.1. Summary of the draft Terms of Reference (Angela Slagle, Ron Hackney), 15 min
- 2.2. Programmatic feedback on draft Terms of Reference (Co-Chairs), 15 min

2.3. Open discussion of adjustments, e.g., regarding open participation, restrictions on numbers, how outcomes will be recorded/reported (All), 20 min

2.4. Plan for approval of a finalised ToR (Forum Co-Chairs), 10 min

3. Reports from individual drilling programmes [Chair: Thomas Wiersberg], 90 min

3.1. IODP³ (Gilbert Camoin, Nobi Seama), 30 min

3.2. IODP China (Zhifei Liu), 20 min

3.3. U.S./SODCO (Mitch Malone, Leah LeVay, Angela Slagle), 20 min

3.4. ICDP (Thomas Wiersberg, Katja Heeschen), 20 min

4. Reports from other scientific drilling entities [Chair: Zhifei Liu], 60 min

4.1. ANZIC (Ron Hackney, Phaedra Upton), 20 min

4.2. Brazil (Luigi Jovane, Helenice Vital), 20 min

5. Report on IODP Achievements volume (Sanny Saito), 30 min

6. Core Management [Chair: Nobi Seama], 90 min

6.1. Status of scientific ocean drilling core repositories, 40 min

(a) Bremen Core Repository (Ulla Röhl), 10 min

(b) Kochi Core Center (Yusuke Kubo, online), 10 min

(c) Gulf Coast Repository (Mitch Malone), 10 min

(d) China repository (Zhen Sun), 10 min

6.2. ICDP data and sample management and publication practices (Katja Heeschen), 15 min

6.3. Discussion of geographical distribution of cores, present and future (All), 20 min

6.4. Status of the Scientific Ocean Drilling Programs: Sample, Data, and Obligations Policy (Ulla Röhl), 15 min

Wednesday 15th October, 2025

7. Discussion of future collaborations between programmes in implementing joint expeditions and projects [Chair: Becky Robinson], 90 min

7.1. The IODP³ SPARCs scheme: how it works and who can be involved (Antony Morris), 30 min

7.2. Open discussion of how Legacy Projects (SPARCs, LEAPs, ReCoRD) might be handled across programmes (All), 30 min

7.3. Open discussion of how to handle drilling/coring proposals that are submitted to more than one drilling program (e.g., development, evaluation processes, implementation) (All), 30 min

7.4. Open discussion of how Land-to-Sea proposals might be handled across multiple programmes (All), 30 min

8. Communication/Outreach [Chair: Thomas Wiersberg], 60 min

8.1. Communications report: Interviews with Expedition 405 scientists (Will Grant, ANU Centre for the Public Awareness of Science), 30 min

8.2. Open discussion on strategies for outreach and communicating impact to a range of stakeholders (All), 30 min

8.3. Open discussion on how to establish effective inter-programme communications, both in programmatic leadership/management and with the global community (All), 25 min

8.4. Open discussion on how to encourage wider participation in scientific drilling (All), 25 min

8.5. Reporting the impact of publications across programmes (Myriam Kars), 10 min

8.6. Past, present, and future of the joint IODP-ICDP program journal 'Scientific Drilling' (Thomas Wiersberg), 10 min

9. Science report: Highlights from joint IODP-NSF Expedition 501 (Becky Robinson, Co-Chief Scientist), 20 min

10. Discussion of a working group to coordinate and organise big data research on scientific drilling [Chair: Zhifei Liu], 30 min

11. Other Business [Chair: Nobu Seama], 60 min

11.1. Open discussion of what the Consensus Statements and Action Items are from this meeting (All), 30 min

11.2. Which programme will host the 2026 Scientific Drilling Forum and where? (All), 10 min

11.3. Revision on draft Consensus Statements and Action Items (All), 20 min