

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 organizing 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!*