

# Italy as part of ECORD and IODP



## The new phase of IODP-Italia and the International Ocean Discovery Program

Since 2003, the **European Consortium for Ocean Research Drilling (ECORD)**, has been part of IODP, the Integrated Ocean Drilling Program (IODP, 2003-2013) and the International Ocean Discovery Program (IODP, 2013-2023). The ECORD Managing Agency (EMA) is responsible for ECORD's membership and represents ECORD in all IODP entities.

IODP is an international research programme supported by its members, to explore the oceans. Building on the legacy of the Deep Sea Drilling Program (DSDP, 1968-1983) followed by the Ocean Drilling Program (ODP, 1983-2003), IODP addresses global challenges facing current and future generations with new research approaches, expanded scientific communities and continued development of its unique collaborative model.



### IODP – Italia Italian participation in ECORD-IODP

Italy officially joined the drilling program ODP in 1986 and then became a member country of the European Consortium for Ocean Research Drilling (ECORD), since its foundation in 2003.

### IODP – Italia at a glance

Coordinates, supports, and promotes the participation of Italian scientists and educators in ECORD and IODP activities.

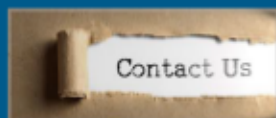
Thanks to a national funding annually allocated by MIUR since 2013 and managed by the CNR-DSSTA, IODP-Italia regularly operates through a national office, a scientific coordinator and an advisory committee.

The **CNR Committee "ECORD-IODP and ICDP"** replaced the former Advisory Committee IODP-Italia (2015-2018) with new members and assignments in order to implement a joint IODP-ICDP support to the Italian participation in the international scientific drilling, including the International Continental Scientific Drilling Program (ICDP).

ECORD IODP-Italia

### Facilitates and supports participation of Italian scientists and educators in IODP expeditions, research, and outreach activities

- Makes Italian scientists aware of opportunities and results of IODP-related research
- Provides grant support to enable Italian scientists to exploit the results of IODP drilling and supports opportunities for students and young scientists (financially supports the national researchers and educators selected by ECORD-IODP to be involved in cruise and post-cruise activities, as well as young scientists to attend training courses and summer schools organized by ECORD)
- Organizes, facilitates, and sponsors science meetings/workshops
- Regularly publishes program literature through mailinglists and website



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### ECORD national delegates

**Council delegate:** Marco Sacchi (component and also a new ECORD Executive member).

**ESSAC Committee delegates:** Andrea Argnani (component), is going to rotate off and being replaced by Riccardo Tribuzio.

### Italian IODP representatives

**Elisabetta Erba:** member of the IODP Curatorial Advisory Board  
**Michele Rebesco:** member of the MagellanPlus Steering Committee and ECORD member of the IODP Science Evaluation Panel (SEP, Site subgroup)

**Silvia Ceramicola:** ECORD member of the IODP Science Evaluation Panel (SEP, Site subgroup)



# IODP-Italia - national and international activities

## Scientific & Outreach Participation and Opportunities in 2019

### IODP 2013-2023 and beyond.

CNR and IODP-Italia have just approved the signing of the ECORD Memorandum of Understanding related to the second phase of the International Ocean Discovery Program (IODP) 2019-2023 (from 1 Jan 2019 to 31 Dec 2023). Meanwhile, the international community is working on a **post-2023 IODP Science Plan**. The national community took part in the ECORD international planning Workshop PROCEED (Vienna, 6-7 April 2019), where C. Boschi was involved as a member of the Scientific Committee and A. Camerlenghi gave a talk in the Panel Session "Future technologies, techniques, methods, and opportunities".

### Shipboard scientists and IODP-related proposals.

Italian members of IODP 2013-2023 Science Parties regularly participate in cruise and post-cruise activities and benefit of IODP-Italia financial support. In the last year, S. Satolli (Univ. of Chieti) participated in the Exp. 368-X *Return to hole in the South China Sea* as an expert in paleomagnetism, while E. Malinverno (Univ. of Milano-Bicocca) sailed as nannofossil micropaleontologists on Exp. 383 *Dynamic of Pacific-Antarctic circumpolar currents*, respectively. I. Mazzini (CNR-IGAG) visited the US Geological Survey in early 2019 to collaborate on the project "Understand IODP Exp. 381, and analyze ostracods from the sediment cores. I. Raffi (Univ. of Chieti) will sail on JR Exp. 378 *South Pacific Paleogene Climate* from 3 January to 4 March 2020.

21 Italian scientists are involved in **18 active drilling proposals**, as P.I. and co-proponents.

IODP-Italia and CNR-DSSTTA have recently awarded **three research proposals** devoted to post-doc scientists aiming at supporting IODP-related scientific activities to be developed in the next two-years.

### Education and Training.

7 Italian early-career researchers and students have been selected to attend ECORD and IODP schools and courses in 2019: ECORD Training Course (4), ECORD Summer Schools (2) and PAIS/IODP Antarctic School (1 as non US-based participant).

### 2019 Outreach Activities.

IODP-Italia, Univ. of Genova and OGS participated at the event "Festival del Mare" (Genova, May 16th-18th 2019) held in Genova in May 2019 with an interactive booth mostly dedicated to primary schools and general public.

### WORKSHOPS and MEETINGS

#### *Planning for a post-2023 IODP Science Plan*



The PROCEED workshop organising and scientific committees, Vienna, April 6 to 7, 2019. Chiara Boschi was a member of the Committee (Photocredit ÖAW, Austrian Academy of Sciences)

### ONBOARD



Sara Satolli (Paleomagnetist, Univ. of Chieti-Pescara) pays a visit to the old bit on the rig floor during Expedition 368X.

Elisa Malinverno (Nannofossil micropaleontologist, Univ. of Milano-Bicocca) at work in the paleontology lab of the JR during Expedition 383.



### OUTREACH



"Festival del Mare" (Genova, May 16th-18th 2019). A young researcher exploring samples from the the seafloor.

The laboratory activities included practicals on the use of microscope to analyse rocks and fossils, and a virtual tour through the Joides Resolution using 360 deg-viewers.