

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.

Its rebirth has been successfully established through a national funding allocated since 2013 by MIUR and devoted to the ECORD Research Infrastructure.

Operates through a national Committee (IODP-Italia Committee), which is composed of members representing CNR, CoNISMa, OGS, ENEA, and INGV (ICDP-Italia) and supported by a Science Coordinator.

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.

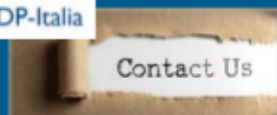
IODP – Italia

- ~ Coordinates
- ~ Supports
- ~ Promotes
- ~ Strengthens



the growing IODP national community

ECORD IODP-Italia



Subscribe to our mailinglist iodp-italia@cnr.it &

Visit our website www.iodp-italia.cnr.it

- 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

- Organizes, facilitates, and sponsors science meetings/workshops

- Supports opportunities for students and young scientists

- Regularly publishes program literature through mailinglists and website

ECORD national delegates

Council delegates: Marco Sacchi (component and also a new ECORD Executive member)

and Laura De Santis (alternate)

ESSAC Committee delegates: Andrea Argnani (component) and Simonetta Monechi (alternate)

Italian IODP representatives

Elisabetta Erba: member of the IODP Curatorial Advisory Board

Michele Rebesco: member of the MagellanPlus Steering Committee and the Site Subgroup of the IODP Science Evaluation Panel (SEP)

IODP-Italia - recent and forthcoming activities

Scientific and Outreach Participation

15 Italian scientists, 1 chief scientist and 1 Education Officer have been selected to sail onboard IODP expeditions as researchers in diverse shipboard specialties since 2013 (*International Ocean Discovery Program, 2013-2023*).

More than 10 Italian scientists invited to take part in post-cruise meetings and sampling parties.

Italian scientists are involved in ~12 active drilling proposals.

More than 20 IODP-related research articles per year - authored and co-authored by Italian scientists - have been published in the most relevant international earth science journals.

2018 shipboard scientists. Laura De Santis (OGS) has been co-chief scientist onboard Exp. 374 Ross Sea West Antarctic Ice Sheet History. Anna Cerchiarì (Univ. of Modena-Reggio Emilia) took part in the first phase of the CLSI@Sea Program (Exp. 380 NanTroSEI-ZE Frontal Thrust Borehole Monitoring System). Francesca Meneghini (Univ. of Pisa) is currently sailing on Exp. 375 Hikurangi Subduction Margin Observatory as expert in sedimentology, while Ilaria Mazzini (CNR-IGAG) has been recently involved in the scientific team of Exp. 381 Corinth Active Rift Development, as expert in ostracods.

Soon sailing. Isabella Raffi (Univ. of Chieti-Pescara) on Exp. 378 "South Pacific Paleogene Climate Expedition" and Elisa Malinverno (Univ. of Milano-Bicocca) on Exp. 383 "Dynamics of Pacific Antarctic Circumpolar Current (DYNAPACC)" will sail as nannofossil micropaleontologists;

Education and Training in 2018. 3 PhD students attending ECORD training courses and one grant recipient of the ECORD Research Grant 2018 (Ornella Quivelli, Univ. of Bari)

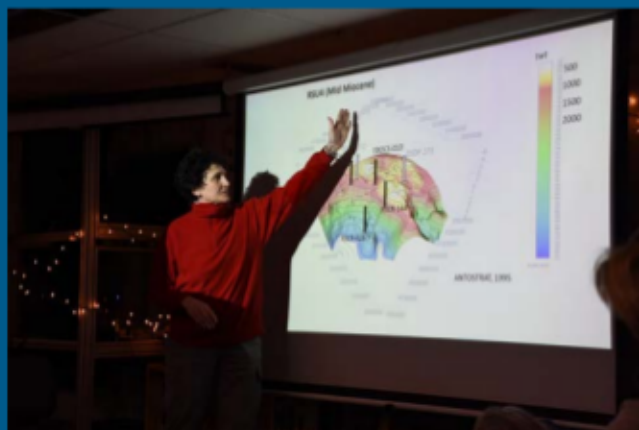
ECORD-IODP events hosted in Italy in 2018. Exp. 360 post-cruise meeting hosted in Sicily by Italian shipboard scientists, ECORD Facility Board Meeting #6 held in Venice, the 2018 edition of the ECORD School of Rock organized by the Univ. of Pavia and hosted in Italy for the first time (all sponsored by IODP-Italia)

A national workshop titled "Scientific Drilling in the Mediterranean Sea" was held in Rome last January to gather the Italian scientific drilling community and foster the submission of drilling proposals in the Mediterranean area (IODP-ICDP).

People and Activities

ONBOARD

50 years of scientific deep sea drilling



Laura De Santis, Co-Chief Scientist onboard IODP Exp. 374 *Ross Sea West Antarctic Ice Sheet History* presents the geological setting and scientific objectives of Site U1522. The scientific party celebrated the 50th anniversary of scientific drilling and the 60th anniversary Scientific Committee on Antarctic Research (SCAR).

ONSHORE

Organizing and attending post-cruise meetings



Expedition 360 Post-Cruise Meeting hosted by Riccardo Tribuzio and Alessio Sanfilippo, with the support of IODP-Italia. The meeting was held in the historical city of Siracusa, with field trip to the volcanism of the Hyblean Mountains and the Mt. Etna.

EDUCATION and OUTREACH

ECORD School of Rock 2018 in Pavia



Group picture taken during the 2018 edition of the ECORD School of Rock (Pavia, Pavia, 24-27 July) 2018 "Understanding the Climate System through deep sea sediments".

Organizing and Scientific Committee: Angelo Camerlenghi, Claudia Lupi and Alessia Cicconi.