



IODP

INTERNATIONAL OCEAN
DISCOVERY PROGRAM

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<http://iodp-ussp.org>



INTERNATIONAL OCEAN DISCOVERY PROGRAM

Exploring the Earth Under the Sea

ILLUMINATING EARTH'S PAST, PRESENT, AND FUTURE
www.iodp.org



10 THE NEXT DECADE OF OCEAN DISCOVERY

The **International Ocean Discovery Program (IODP)** is an international, multidisciplinary collaboration among scientists, students, engineers, marine technicians and educators. Every year, thousands of people around the world develop drilling proposals, collect data in support of drill site planning, sail on drilling expeditions, operate the drilling rigs, analyze samples and data and disseminate results to the scientific community, students and the public.

IODP provides the only means to access valuable historical information, collect samples and data, conduct experiments and monitor conditions and active processes as they occur in remote marine environments. IODP's four research themes address fundamental questions about Earth's climate, deep life, geodynamics and geohazards. This research helps facilitate long-term, global perspectives on some of today's most pressing environmental issues.

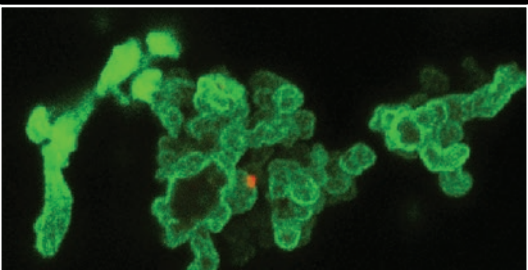
RESEARCH THEMES

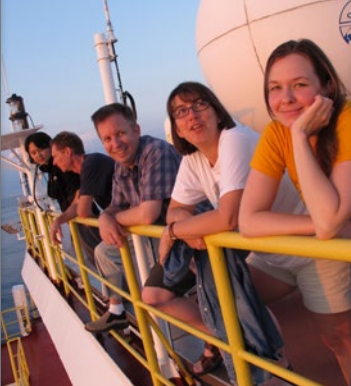
Climate & Ocean Change:

Reading the Past,
Informing the Future

Biosphere Frontiers:

Deep Life and Environmental
Forcing of Evolution





GLOBAL SCIENTIFIC CAPABILITY

Three complementary drilling platforms address the scientific challenges of IODP. The US-operated riserless drillship *JOIDES Resolution* is the workhorse of the international community; *Chikyu* is a state-of-the-art, deepwater riser drilling platform supplied by Japan; and mission-specific platforms are supported by the European Consortium for Ocean Research Drilling for operations in challenging environments. Twenty-six member countries on four continents contribute to the operations and scientific planning of these platforms.

Three regional repositories store and curate scientific ocean drilling cores from past expeditions and make them available for sampling by scientists from all over the world. Furthermore, data and information portals provide access to expedition-generated core descriptions, core measurements, logging data, publications and post-expedition data.



Earth Connections:

Deep Processes and Their Impact
on Earth's Surface Environment

Earth in Motion:

Processes and Hazards on
Human Time Scales

