2021 2030 United Nations Decade of Ocean Science for Sustainable Development

Challenger 150
A Decade to Study Deep-Sea Life
Decade Programme

Lead Institution

Deep Ocean Stewardship Initiative (DOSI)

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KEY PARTNERS

- Schmidt Ocean Institute
- REV Ocean
- Scientific Committee on Oceanic Research
- 68 Research centers & universities

DECADE CHALLENGES ADDRESSED

CHALLENGE 1: Understand and beat marine pollution

CHALLENGE 2: Protect and restore ecosystems and biodiversity

CHALLENGE 3: Sustainably feed the global population

CHALLENGE 4: Develop a sustainable and equitable ocean economy

CHALLENGE 5: Unlock ocean-based solutions to climate change

CHALLENGE 7: Expand the Global Ocean Observing System

CHALLENGE 8: Create a digital representation of the Ocean

CHALLENGE 9: Skills, knowledge and technology for all

CHALLENGE 10: Change humanity's relationship with the ocean

OCEAN BASINS

North Atlantic
South Atlantic
North Pacific
South Pacific
Indian
Arctic
Southern

@challenger_150

Summary

Challenger 150 is a global cooperative devoted to delivering the science we need to sustainably manage the deep ocean. At its heart is the development of deep-ocean expertise, particularly in economically-developing nations, in order to achieve a global generation of stewards working together to maintain the integrity of deep-ocean ecosystems. Through support of new technologies and expansion of observations, Challenger 150 aims to advance understanding of the diversity, distribution, function and services provided by deep-ocean biota; and to use this new knowledge to educate, inspire, and promote better management and sustainable use of the deep ocean.

Duration: 01/01/2021 - 12/31/2030

Priority Activities (first 2 years)

- Engage Early Career Ocean Professionals (ECOPs) in, and extend global capacity for, deep-sea research, particularly in SIDs and LDCs.
- Expand the coverage and frequency of deep-sea biological observations and sampling, specifically focusing on underexplored regions, often in areas beyond national jurisdiction (ABNJ) and EEZs of SIDs and LDCs.
- Build upon existing fundamental ecological understanding of deep-sea ecosystems, including ecosystem services delivered by the deep seas and flows of benefits to society.
- Increase the use of deep-sea knowledge through development of effective pathways for communication between scientists and decision-makers, including use of decision-support tools in modelling deep-sea management scenarios.
- Help develop governance and policies to support sustainable management of the deep ocean.

"With Challenger 150 we aim to train the next generation of deep-sea biologists and create a network of enhanced capacity that enables countries to exercise their full role in international discussions on the use of ocean resources within and outside of their national boundaries."

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www.challenger150.world