

SCAR Activities in 2022-2023

Southern Ocean Observing System (SOOS) Symposium 2023, themed "Southern Ocean in a Changing World," held in Hobart, Australia, from August 14th to 18th, 2023.

The symposium, attended by 300 scientists from 25 nations, concluded with a pivotal joint statement.



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SOOS Statement 2023

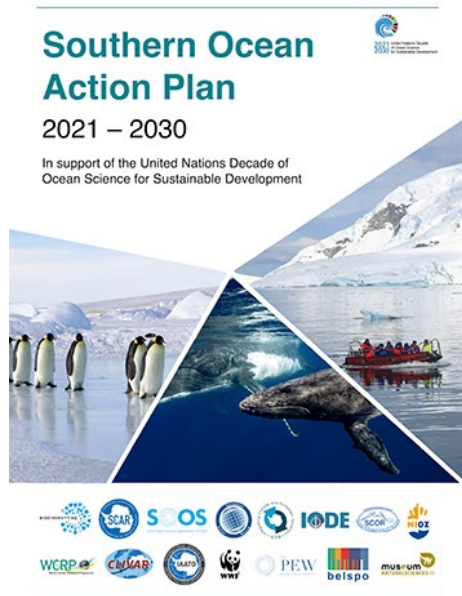
The Southern Ocean is a critical component of the global climate system. The Southern Ocean controls to a large extent the uptake of human generated heat and carbon into the ocean. Yet, we are **currently observing critical changes in the Southern Ocean** that are seen in the record low levels of sea-ice extent, record high temperatures and dramatic shifts in penguin populations, among other striking changes. **The chronic lack of observations for the Southern Ocean challenges our ability to detect and assess the consequences of change.** As such, it is more pressing than ever to have a sustained and coordinated Southern Ocean observing system to provide an understanding of current conditions, inform predictions of future states, and support policies and regulations for the benefit of society.



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2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development



UN Decade of Ocean Science

World Oceans Day, 8th June 2023 – Approval for SCAR as a Decade Collaborative Center for the Southern Ocean Region (DCC-SOR)

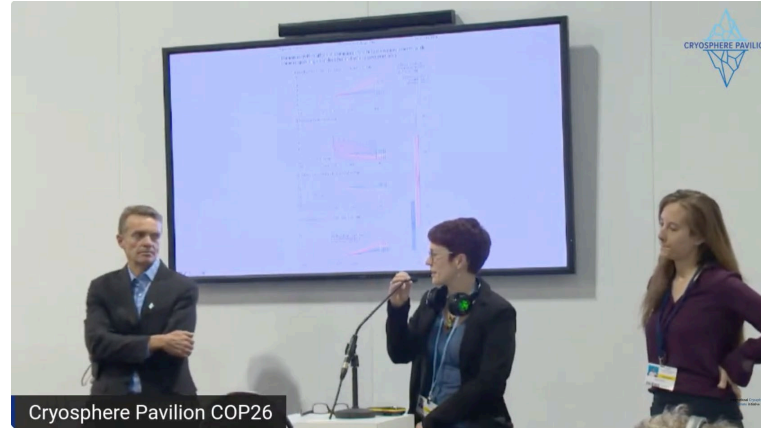
SCAR continues to work with partners coordinating the Southern Ocean Task Force (www.SOdecade.org) as an Advisory Board for the DCC-SOR.



SCAR Activities in 2022-2023



COP27 Cryosphere Pavilion



Antarctica and Paris Goals: Risks of Massive Sea-level Rise



Southern Ocean Ecosystems: Need for Augmented Understanding, Research Efforts and Protection

UNFCCC COP27 – Sharm El Sheikh 2022



SCAR Activities in 2022-2023



COP28
UAE

UNFCCC COP28 Cryosphere Pavilion confirmed by International Climate Cryosphere Initiative (ICCI)

Focus Day (Dec 8th tbc):

Polar Oceans: Long-tailed Legacy of Acidification, Warming and Freshening

SCAR has secured accreditation and will work with ICCI to Promote Antarctic and Southern Ocean research at COP28

