SCAR Activities in 2022-2023


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

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
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