



Multiple Threats to Polar Oceans

COP28, December 8, 18:00-19:20 GST/GMT+4, Cryosphere Pavilion, Zone B6, Building 71 (above Chile Pavilion; on the 1st floor), Blue Zone
LIVESTREAM: [CLICK HERE](#)

ABOUT

The Arctic and Southern Oceans are crucial components of the Earth system. Their unique ecosystems are under serious threat from warming, acidification, freshening and ice loss. Polar oceans already experience changes in chemistry, and continued warming is leading to range shifts, changes in food webs, ecosystems, fisheries, and climate regulation.

This session highlights the latest scientific and discusses the wider societal and political impacts, while emphasising the need to raise ambition for reducing emissions, focussing on the need to stick to the 1.5 °C target.

Moderator: Helen Findlay, Senior Scientist Plymouth Marine Laboratory; Executive Council Member Global Ocean Acidification Observing Network

Opening Address: DAS Mahlet Mesfin, Deputy Assistant Secretary for Ocean, Fisheries and Polar Affairs, US Department of State

Panellists:

- **Julio Cordano** Director of Environment, Climate Change and Ocean, Chilean Ministry of Foreign Affairs, and Co-Facilitator, UNFCCC Ocean and Climate Change Dialogue, Chile
- **Louis Papis Chemnitz**, Youth Delegate, Inuit Circumpolar Council, Canada
- **Michael Meredith**, Science Leader, British Antarctic Survey, UK
- **Sian Henley**, Reader in Marine Science, University of Edinburgh, UK
- **Martin Siegert**, Deputy Vice Chancellor (Cornwall), University of Exeter, UK

Followed by a Q&A with the audience

PML | Plymouth Marine Laboratory

