



COP29
Baku
Azerbaijan



Multiple Threats to Polar Oceans

COP29, November 15, 11:30-13:00, Cryosphere Pavilion, Blue Zone
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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.

Moderator: Matt Frost, Head International Office, Plymouth Marine Laboratory; Chair of the UK's Marine Climate advisory body (MCCIP)

Panellists:

- **Paul Irngaut, Inuit Circumpolar Council (ICC), Canada; Vice-President of Nunavut Tunngavik Inc.** - The ICC Canada perspective on the importance of polar oceans and the implications of a changing Arctic
- **Helen Findlay, Senior Scientist Plymouth Marine Laboratory; Executive Council Member Global Ocean Acidification Observing Network (GOA-ON)** - State of the Polar oceans and connections with the broader cryosphere
- **Lorenz Meire, Senior Scientist, Greenland Institute of Natural Resources and GOA-ON Regional Hub Arctic** - GOA-ON Regional Hub Arctic latest key findings
- **Alyce Hancock, Executive Officer, Southern Ocean Observing System (SOOS); Institute for Marine and Antarctic Studies; GOA-ON Regional Hub Southern Ocean** - Southern Ocean latest key findings
- **Pam Pearson, Director, International Cryosphere Climate Initiative (ICCI)** - The Cryosphere and the UNFCCC, opportunities and challenges going forward

Followed by a panel discussion and Q&A with the audience



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Laboratory