ARKTIS IM WANDEL Changing Arctic Ocean

Implications for marine biology and biogeochemistry

Photo by Jen Freer



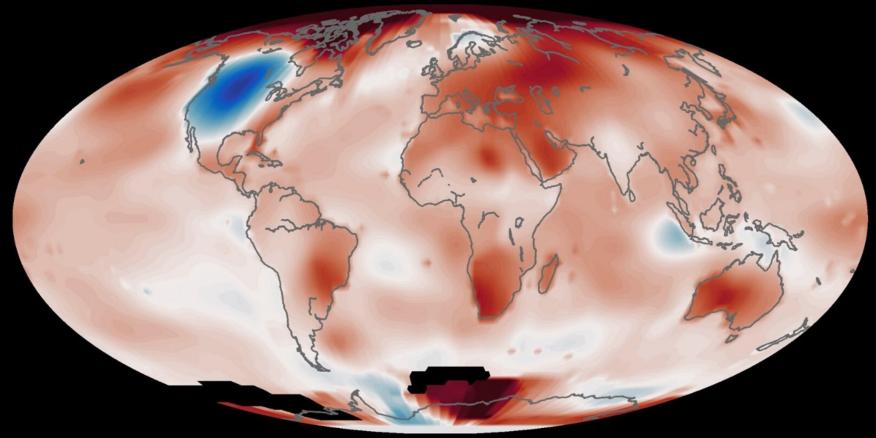






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Average air temperature anomaly in Oct 2019 relative to 1951-1980 baseline

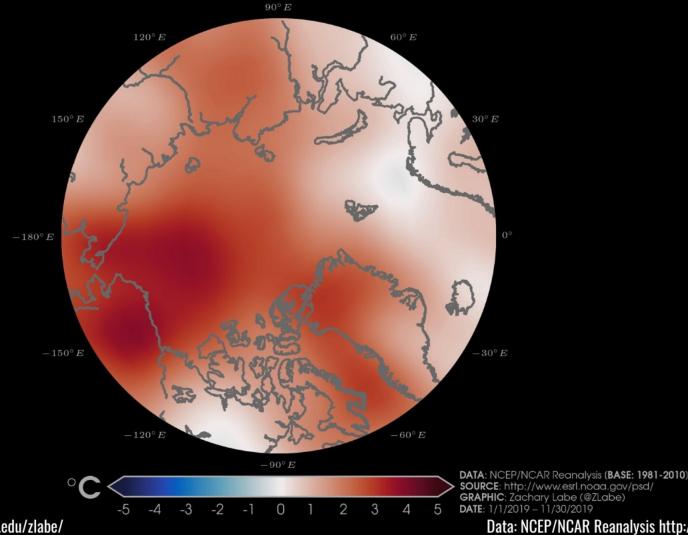


TEMPERATURE ANOMALIES



GRAPHIC: Zachary Labe (@ZLabe) SOURCE: https://data.giss.nasa.gov/gistemp/ DATA: NASA/GISS GISTEMPv4 Baseline: 1951-1980

Air temperature anomaly (925 mb): 1st Jan to 30th Nov 2019 relative to 1981-2010 baseline



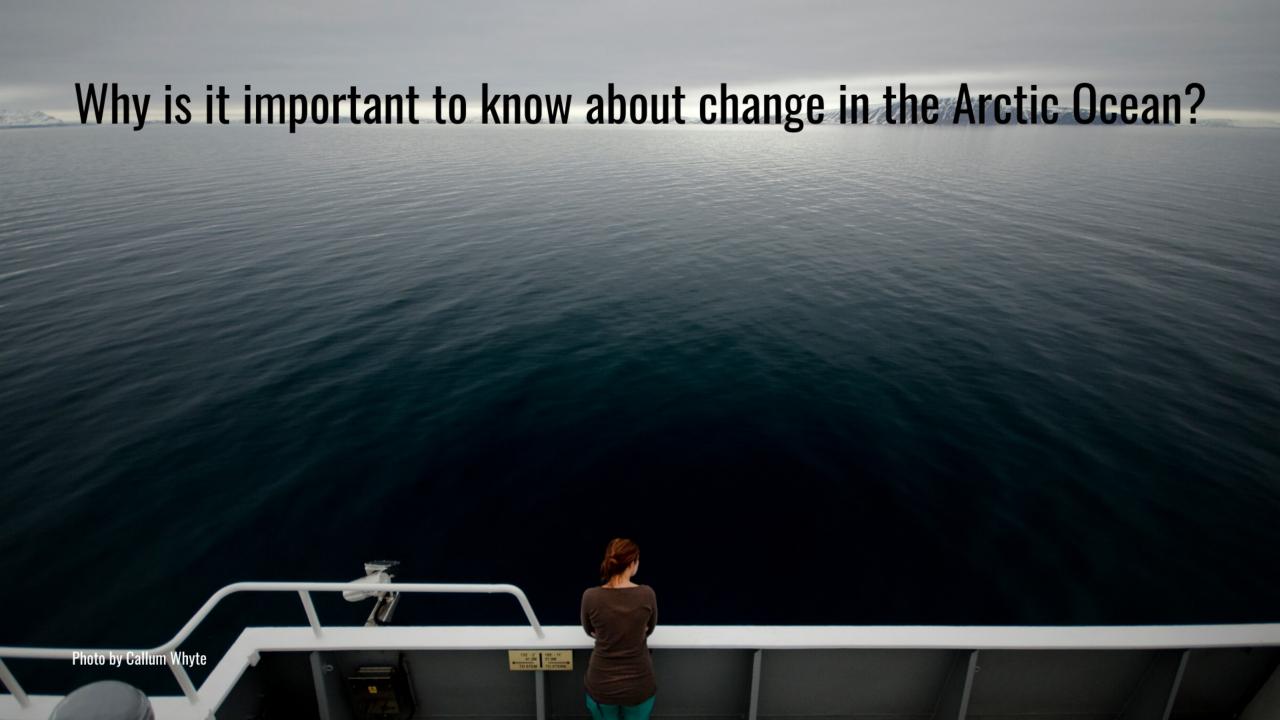


Changing Arctic Ocean: Implications for marine biology and biogeochemistry

Photo by Jen Freer

Why is it important to know about change in the Arctic Ocean?





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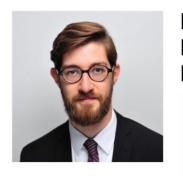






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Meet the speakers



Mr Tim Eder, German Federal Ministry of Education and Research

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Mr Bo Storrank, Ministry of the Environment, Finland





Dr Carol Turley OBE, Plymouth Marine Laboratory, UK

PML Plymouth Marine Laboratory



Dr Geoffrey Abbott, Newcastle University, UK





Dr Jack Landy, University of Bristol, UK





Dr Yevgeny Aksenov, National Oceanography Centre, UK





Prof Hans-Otto Pörtner, Alfred Wegener Institute, Germany







Mr Tim Eder

Federal Ministry of Education and Research, Germany

Science for evidence-based decision-making: The German Arctic Research Strategy











Mr Bo Storrank

Nordic Working Group for Climate and Air, Ministry of the Environment, Finland

Nordic co-operation on oceans and climate













Dr Carol Turley OBE

Plymouth Marine Laboratory, UK

Cycling of key climate reactive trace gases in a changing Arctic Ocean













Dr Jack Landy

University of Bristol, UK

Arctic sea ice past and future: A modern era of extraordinary change













Dr Yevgeny Aksenov

National Oceanography Centre, UK

The New Arctic: The impact of change in Arctic Ocean sea ice on marine ecosystems and maritime industries













Dr Geoff Abbott

Newcastle University, UK

The Changing Arctic Ocean: Exploring the impacts on sea floor biogeochemistry













Professor Hans-Otto Pörtner

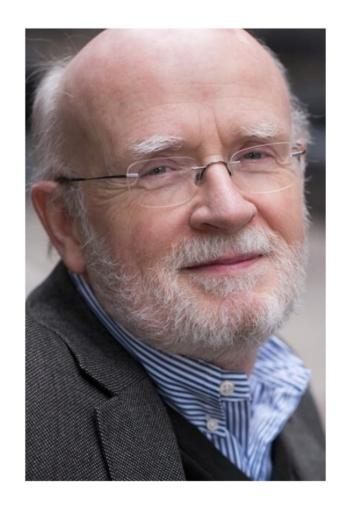
Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Germany

Drivers of change in the Arctic Ocean: Responses of marine invertebrates and fish









Changing Arctic Ocean

Q&A/Panel Discussion



Implications for marine biology and biogeochemistry

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