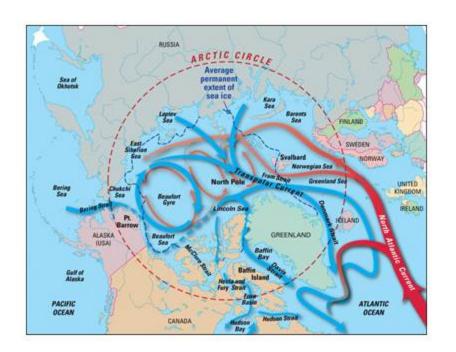
CLIVAR: Climate and Ocean - Variability, Predictability, and Change

CLIVAR /CliC Northern Oceans Region Pan http://www.clivar.org/clivar-panels/northern



Question for PAG: Do we want a trilateral agreement with IASC and CLIVAR for signature at ASSW2020? Or should we retain a bilateral agreement with IASC and wait to see how this new CLIVAR regional plan develops as it is a physical oceanography-focused program? Issue is that it is time to renew our collaborative agreement with IASC in March 2020.



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- The 1<sup>st</sup> session of CLIVAR/CliC Northern Ocean Region Panel (NORP) was held on 15-16
   June 2018, at Congress Centre Davos, Switzerland
- The first NORP took place during the POLAR2018 conference, a joint event from SCAR and IASC
- Since the 13<sup>th</sup> session of the CLIVAR/CliC/SCAR Southern Ocean Region Panel (SORP)
  also occurred in Davos on 14-15June, a joint session between SORP and NORP was
  convened on the afternoon of 15 June
- The objective of the NORP is to act as a forum for coordinating activities on the role of the Arctic Ocean and neighboring seas in the global coupled climate system
- It also will facilitate progress in developing new tools and methods to observe and model the Arctic Ocean and neighboring seas, including Arctic and mid latitude linkages
- Notably there was a dicussion during the meeting whether the panel should cover biogeochemistry and biology, but the discussion of the panel concluded that it shouldn't get too broad but focus on the physical climate system.

## Terms of Reference

- Facilitate progress in the development of tools and methods to monitor and assess climate variability and change, and evaluate climate predictability of the ocean-atmosphere-ice system in the Arctic and Subarctic Ocean.
- Identify opportunities and coordinated strategies to implement these methods, spanning observations, models, and process studies.
- Provide scientific and technical input into international research coordination, collaborating as required with other relevant programs.
- Monitor and evaluate progress in Arctic Ocean research, and identify gaps.
- Work with relevant agencies on the standardization, distribution, and archiving of Arctic Ocean observations.

## Task Teams

- Improving Arctic Ocean reanalyses
- The role of the Arctic Ocean in Arctic amplification
- Understanding Arctic-midlatitude linkages
- Quantifying the response to natural variability and external forcings
- Model errors in Arctic projections
- Greenland ice sheet ocean interactions

My view is that the NORP is only partial link to PAG objectives, whereas the PAG-IASC connection covers all disciplines. Thus, I would like to see the PAG-IASC renewal as bilateral, with further discussions with NORP. Perhaps we can invite a NORP representative to the spring PAG meeting in Iceland. Comments?