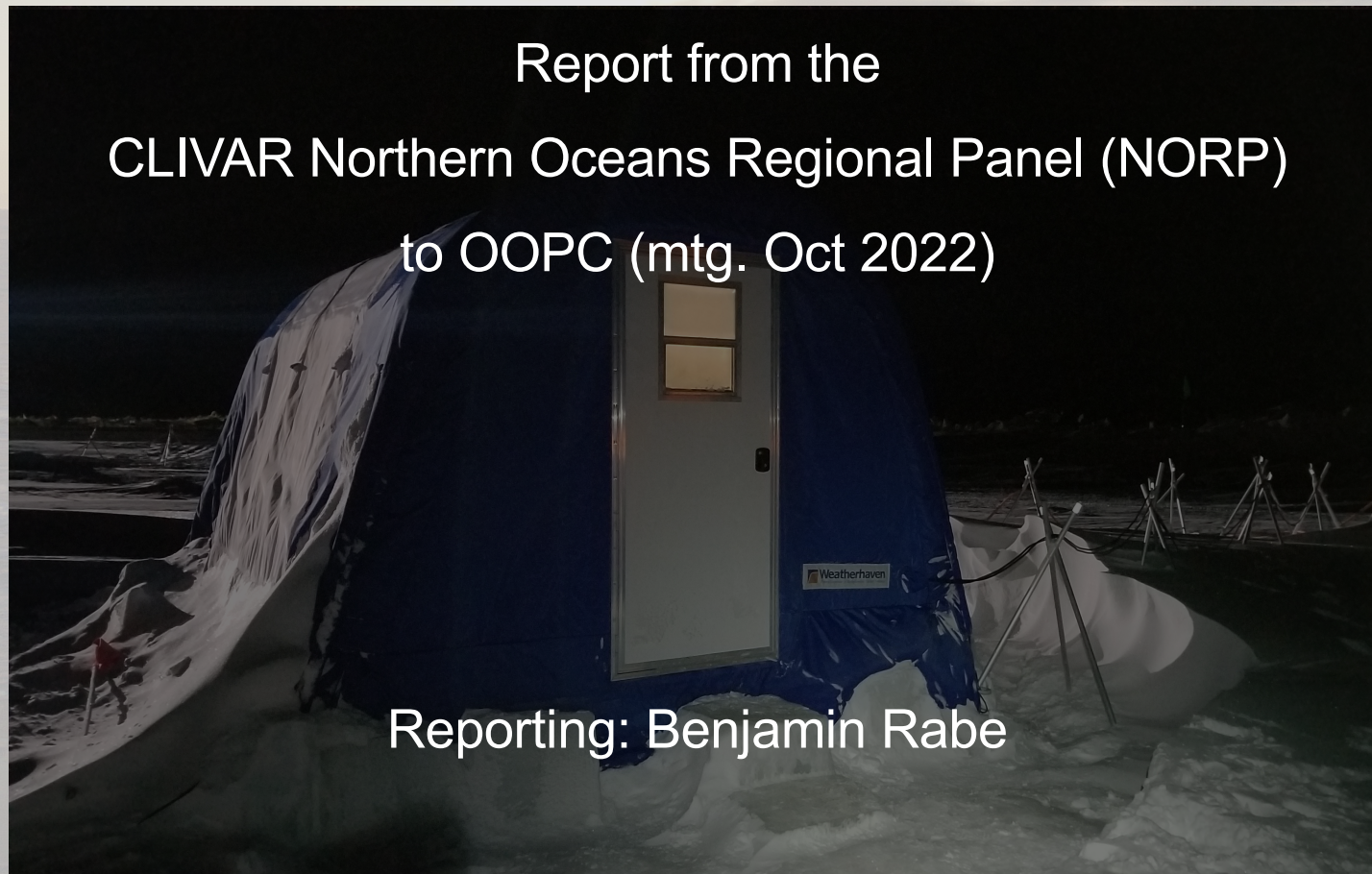


Report from the
CLIVAR Northern Oceans Regional Panel (NORP)
to OOPC (mtg. Oct 2022)



Reporting: Benjamin Rabe

CMIP6 bootcamp (summer school)



Arctic Processes CMIP6 bootcamp

Learn how to work with climate model (CMIP6) data, from the modellers who produced them.

Use these data in conjunction with other datasets to answer crucial science questions about the past, present or future Arctic climate system, under the guidance of experts in the field.

Contribute to the publications resulting from the bootcamp.

<https://www.clivar.org/events/arctic-processes-cmip6-bootcamp>

Organised by the

CLIVAR/CliC Northern Oceans Region Panel:

Céline Heuzé – Amy Solomon – Ruth Mottram – Benjamin Rabe – Patrick Heimbach – Dorotea Iovino – Laurent Bertino – Tor Eldevik – Sheldon Bacon – Xiangdong Zhang – Arild Sundfjord – Vladimir Ivanov – Qi Shu

11-21 October 2022

Søminestationen, Denmark*

Apply here:

https://sunet.artologik.net/gu/NORP_CMIP6bootcamp

The deadline is 29th April 23.59 CEST.

More information: cmip6bootcamp@gmail.com

* The summer school will be subject to COVID-development by autumn 2022



PolarRES
Exploring future polar climates



The Polar Prediction Project (PPP)

GÖTEBORGS
UNIVERSITET

NORP-SORP workshop on polar fresh water



Polar and global fresh water need YOU!!! Register here now!

This workshop reaches out to observational, modelling, remote sensing and assimilation communities to gain a holistic overview of the role of fresh water and the future evolution at high latitudes. We welcome both regional and global ocean communities. One focus will be the linkage of the regional hydrological cycle, from source to export, and the dynamical impact on global ocean circulation and climate. The discussion aims at making recommendations for critical model improvements to better represent the distribution of salinity and ice-ocean processes while assessing available, necessary and desirable observations. The exact topics for the breakout discussion groups will be decided after feedback from registered participants.

This workshop will focus on the following topics:

- Hydrological cycle
- Ocean fresh water linkages to global circulation
- Regional sources and sinks
- Effects of solid and liquid fresh water on regional environment (e.g., ocean circulation and stratification)

Scientific Organising Committee:
Benjamin Rabe, AWI, Germany
Amy Solomon, CU/NOAA, USA
Torge Martin, GEOMAR, Germany
Tore Hattermann, NPI, Norway
Karen Assmann, IMR, Norway
Elisabeth Sikes, Rutgers Univ., USA
Ronald Buss de Souza, INPE, Brazil
Xiangdong Zhang, Univ. of Alaska Fairbanks, USA

Keynote Speakers:
T. Haine, Johns Hopkins Univ., USA
A. Haumann, Princeton Univ., USA
L. Biddle, Univ. of Gothenburg, Sweden
A. Jahn, Univ. of Colorado Boulder, USA
A. Garabato, Univ. of Southampton, UK
E. Rosenblum, Univ. of Manitoba, Canada

Workshop Format
The workshop will include overview talks, discussion groups, and plenary wrap-up. We will make extensive use of discussion rooms so everyone can participate in the

Mock Schedule
Three half-days from 19-21 September 2022. Time will be shifted to adjust to varying time zones.

Register here: <https://www.wjx.cn/vj/YW8qMjc.aspx>
Registration deadline: 1 September 2022

For more information, please visit here: <https://www.clivar.org/events/norp-sorp-workshop-polar-fresh-water-sources-pathways-and-impacts-fresh-water-northern-and-southern-polar-oceans-and-seas>

NORP-SORP workshop on polar fresh water: Sources, Pathways and Impacts of Fresh water in northern and southern Polar oceans and seas (SPICE UP)

Prior publication:

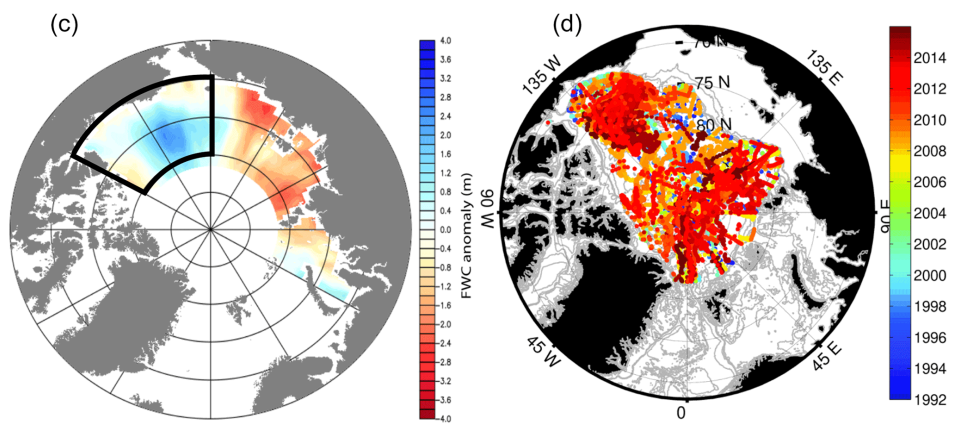
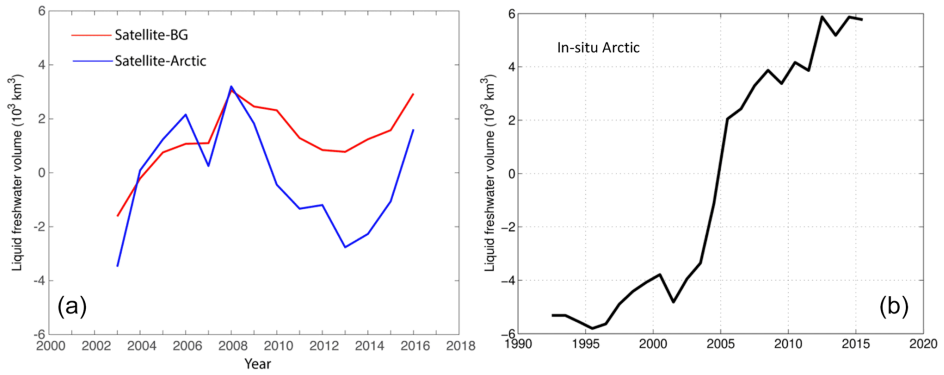
Solomon, A., Heuzé, C., Rabe, B., Bacon, S., Bertino, L., Heimbach, P., Inoue, J., Iovino, D., Mottram, R., Zhang, X., Aksenov, Y., McAdam, R., Nguyen, A., Raj, R. P., and Tang, H., 2021: Freshwater in the Arctic Ocean 2010–2019, Ocean Sci. Discuss., doi:10.5194/os-2020-113, accepted , [doi:10.5194/os-2020-113](https://doi.org/10.5194/os-2020-113).

To come:

Workshop summary as a meeting report in BAMS.

<https://www.clivar.org/events/norp-sorp-workshop-polar-fresh-water-sources-pathways-and-impacts-fresh-water-northern-and-southern-polar-oceans-and-seas>

NORP-SORP workshop on polar fresh water



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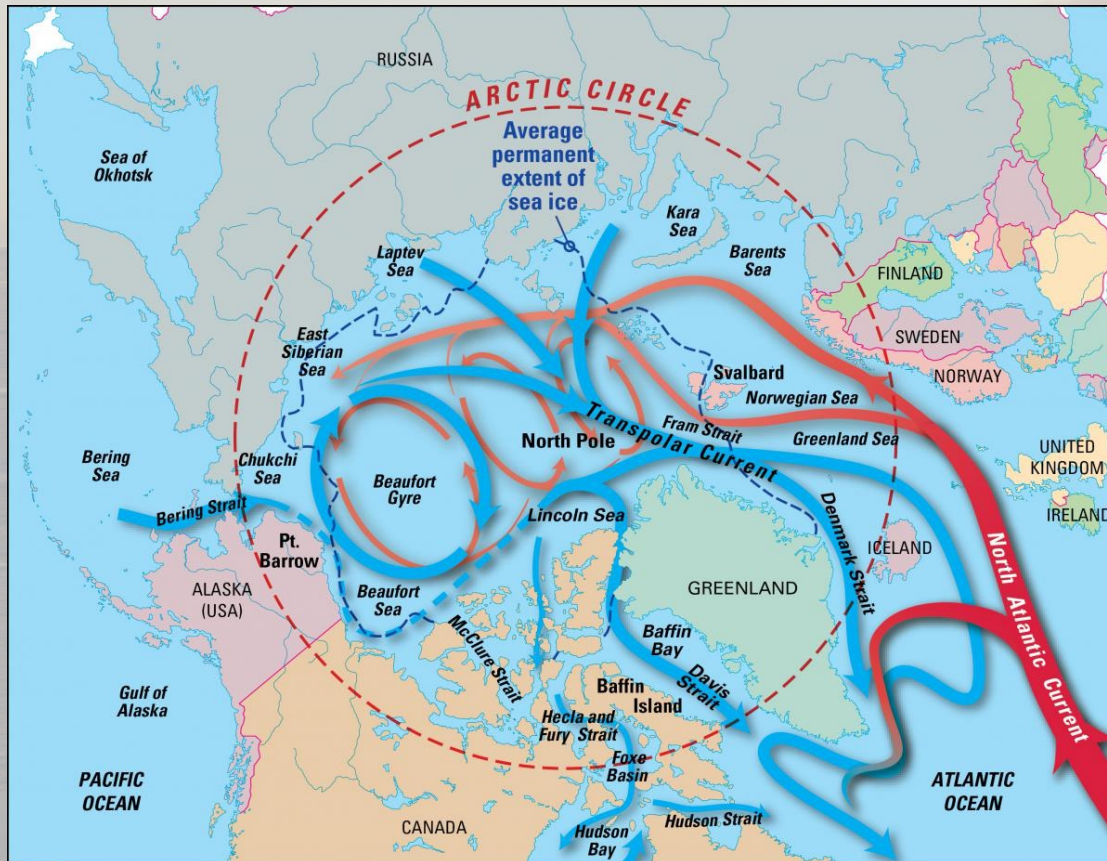
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HELMHOLTZ

Northern Oceans Regional Panel: CLIVAR calls new members



NORP changeover of members...

CLIVAR call: <https://www.clivar.org/news/2022-open-call-new-members-clivar-panels-and-ssg>

NORP: <https://www.clivar.org/clivar-panels/northern>