



Polar Ocean Symposium 2021

30 November 2021

09:00 – 20:00

Nansen Environmental and Remote Sensing Center
Jahnebakken 3, Bergen

The slides should be in English while the presenter can choose to use Norwegian or English.
The evening session from 1800 – 2000 will have remote participation from US partners.

Due to the CoVid19 situation the following measures will be taken for the Polar Ocean Symposium:

- 1) If you have any symptoms – Please stay at home and connect remotely using a GoToMeeting link that will be sent to you.
- 2) All should take a CoVid19 quick test before entering the meeting (in the morning 30th November).
- 3) We have limited the number of participants in the meeting room and during the dinner.

Agenda

The Symposium will be chaired by Stein Sandven, NERSC

	Introduction	Presenters
09:00-09:15	Welcome to Nansen Center	Tore Furevik, Director at NERSC
09:15-09:30	Supporting Research in the Arctic	Endre Barane, Next of Command, Norwegian Coast Guard
09:30-09:45	Norwegian Polar Institute and research in the Polar Ocean.	Ole Arve Misund, Director at the Norwegian Polar Institute
09:45-10:00	Evolution of Research in central Arctic at NERSC	Hanne Sagen, Research Leader at NERSC
10:00-10:15	GoNorth – exploring the new Norwegian Arctic Ocean	Gunnar Sand, SINTEF, Project Director at SINTEF
10:15-10:30	Et Forskningsrådsblikk på forskning og observasjoner i Polhavet.	Jon Børre Ørbæk, Research Council of Norway
10:30-10:45	Open for questions and discussion	
10:45-11:15	Break	

Session: Ongoing Research in the central Arctic

11:15-11:30	Exploring Arctic seismicity with Ocean Bottom Seismometers	Mathilde Sørensen; Professor at Department of Earth Science, UiB
11:30-11:45	The FFI projects “Underwater sensors in the Arctic”	Dag Tollefsen, Senior scientist, FFI
11:45-12:00	Keeping an eye on Atlantic Water – from north of Svalbard towards the central Arctic	Angelika Renner, Scientist, IMR
12:00-12:15	CAATEX – What can be said so far?	Espen Storheim, Scientist, NERSC
12:15-12:30	CAATEX: Assessing Arctic Ocean temperature variability in climate models	Helene Langehaug, Senior Scientist, NERSC

12:30-13:15 Lunch



The Symposium is organised by the INTAROS project (supported by H2020 under grant agreement no. 727890) and the CAATEX project supported by Research Council of Norway (contract 280531)



13:15-13:30	Future perspective on Arctic carbon cycling in a high CO2 scenario.	Truls Johannessen, Professor, Geophysical Institute, UiB
13:30-13:45	Ocean observations for understanding biogeochemical processes in the Arctic: present capacity and future needs.	Andrew King, Nick Roden, NIVA
13:45-14:00	Light in the Arctic: importance for primary production and marine ecosystems.	Annette Samuelsen, Research Leader, NERSC
14:00-14:15	Marine optics in darkening Arctic waters.	Håkon Sandven, PhD candidate, Institute for Physics and Technology, UiB
14:15-14:30	Streamlining data delivery chains – obstacles and possibilities	Torill Hamre, Research leader, NERSC
14:30-15:45	Upstream and down stream services in NMDC	Arnfinn Morvik, Senior Engineer, IMR
14:45-15:00	Open for questions and discussion	
15:00-15:30	Coffee break	

□ **Complex operations in the central Arctic**

15:30-15:45	Ice management and complex operation with KV Svalbard	Geir Martin Leinebø, Skipssjef, KV Svalbard, Norwegian Coast Guard.
15:45-16:00	Delivering sea ice information and collecting sea ice observations during the CAATEX cruises.	Alistair Everett, Software Engineer at Norwegian Meteorological Institute
16:00-16:15	Drone operations from icebreakers in the Arctic – opportunities and challenges	Tom Rune Lauknes, NORCE
16:15-16:30	Practical use of sea ice statistics, and their application in Arctic marine risk assessments.	Øyvind Aarnes, DNV GL
16:30-17:00	Open for questions and discussion.	

17:00-18:00 Break

18:00-20:00	Sustaining and Enhancing International Collaboration in Polar Ocean research	
18:00-18:20	Plans for following up in the central Arctic Ocean.	Stein Sandven, NERSC
18:20-18:40	National and international collaboration for future monitoring and research in the interior Arctic Ocean - perspectives from the Norwegian Polar Institute	Arild Sundfjord, NPI
18:40-19:00	An overview, and update on current efforts of the International Arctic Buoy Programme	Ignatius Rigor, University of Washington
19:00-19:20	Following up collaborations in CAATEX and other projects.	Matthew Dzieciuch, Scripps Institution of Oceanography.
19:20-20:00	Panel Discussion: Endre Barane, Norwegian Coast Guard, Robert Headrick, Office of Naval Research (ONR) Elena McCarthy, ONR-global Jon Børre Ørbæk, Research Council of Norway Ole Arve Misund, Norwegian Polar Institute, Gunnar Sand, SINTEF, Norway Lasse H. Pettersson, Nansen Environmental and Remote Sensing Center (NERSC)	
20:00→	Dinner	



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