

17-18 January 2024 · 13:00-17:00 CET each day



## ONLINE WORKSHOP

Co-organised by EuroGOOS' Arctic ROOS and the Arctic Regional Team of the OceanPrediction DCC

# Ocean and sea ice forecasting in the Arctic

The workshop will explore the current state of the art in ocean and sea ice forecasting services in the Arctic, including numerical modelling and observations needed to support forecasting. Downstream user services and applications will be discussed, along with perspectives for future priorities. Discussions between presenters and participants will identify recommendations for developments to existing forecasting, which will contribute to the ongoing work of Arctic ROOS and the Arctic Regional Team of the OceanPrediction DCC.

## PROVISIONAL AGENDA

[Day 1, Wednesday 17 January 2024 \(Register here for Day 1\)](#)

TIME (CET)	Title	Speaker
13:00 - 13:20	Welcome Introduction to Arctic ROOS Introduction to OceanPrediction DCC	Anna Nikoloupolos, NPI Enrique Alvarez, MOi
13:20 - 13:40	<b>Keynote:</b> Forecasting salinity in the Arctic	Laurent Bertino (NERSC)
<b>Forecast Services</b>		
13:40 - 13:55	DMI forecasting services	Till Rasmussen, DMI
13:55 - 14:10	Forecasts and services at Environment and Climate Change Canada	Greg Smith, Environment and Climate Change Canada
14:10 - 14:25	Mercator Global system	Gilles Garric, MOi
14:25 - 14:40	UK Met Office	Ed Blockley, Met Office
<b>BREAK</b>		
<b>Observations for forecasting</b>		
15:00 - 15:15	Arctic Ocean Ice-Tethered Profiler network	Sylvia Cole, WHOI
15:15 - 15:30	Sea ice in situ/buoy observations	Jari Haapala, FMI
15:30 - 15:45	Argo in the Arctic	Kjell Arne Mork, IMR
15:45 - 16:00	SIDFEx	Helge Goessling, AWI
16:00 - 16:15	Copernicus Sea Ice TAC	tbc
16:30 - 17:00	Discussion/Wrap up of Day 1 and look to Day 2	
17:00 End of Day 1		

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Day 2, Thursday 18 January 2024 ([Register here for Day 2](#))

TIME (CET)	Title	Speaker
13:00 - 13:10	Welcome and summary of Day 1	
13:10 - 13:30	<b>Keynote:</b> Copernicus Arctic Hub	Maria Høegh Berdahl (European Commission DG DEFIS)
<b>Downstream User Services and Applications</b>		
13:30 - 13:45	Norwegian Ice Service; national ice service uses of forecasts and needs	Penny Mae Wagner, Met.No
13:45 - 14:00	Harnessing Model Outputs for Decision-Making in Polar Shipping: Needs, Limits, and Opportunities	Lasse Rabenstein, Drift+Noise
14:00 - 14:15	Modelling the dispersion of plastics in the Arctic Ocean	Miguel Morales Maqueda, Newcastle University
14:15 - 14:30	StormGeo	Intissar Keghouche, StormGeo
14:30 - 14:45	Quiet Oceans - OceanPlanner	Thomas Folegot, Quiet Oceans
<b>BREAK</b>		
<b>The Road Ahead</b>		
15:00 - 15:15	Future of autonomous platforms	tbc
15:15 - 15:30	Discrete Element Method (DEM) modelling	tbc
15:30 - 15:45	Harmful algal blooms	Edson Silva, NERSC
15:45 - 16:00	HiAOOS	tbc
16:00 - 16:15	Biological/BGC modelling	Laura Castro de la Guardia, NPI
16:15 - 17:00	Discussion and wrap up	
17:00 End of workshop		