

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.

AGENDA

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

TIME (CET)	Title	Speaker
13:00 - 13:20	Welcome and introduction Introduction to Arctic ROOS Introduction to OceanPrediction DCC	Joseph Nolan, EuroGOOS Anna Nikolopoulos, NPI Enrique Alvarez, MOi
13:20 - 13:40	Keynote: Forecasting salinity in the Arctic	Laurent Bertino (NERSC)
Forecast Services (Moderator: Heather Regan, NERSC)		
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
BREAK		
Combining observing and forecasting (Moderator: Vidar Lien, IMR)		
15:00 - 15:15	SIDFEx	Helge Goessling, AWI
15:15 - 15:30	Arctic Ocean Ice-Tethered Profiler network	Sylvia Cole, WHOI
15:30 - 15:45	Argo in the Arctic	Kjell Arne Mork, IMR
15:45 - 16:00	Sea Ice in situ/buoy observations	Jari Haapala, FMI
16:00 - 16:15	Assimilating remote sensing data into sea ice forecasts (Sea Ice TAC)	Cecilie Wettre, Met.No
16:15 - 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	Joseph Nolan, EuroGOOS
13:10 - 13:30	Keynote: Copernicus Polar applications	Maria Høegh Berdahl (European Commission DG DEFIS)
Downstream User Services and Applications (Moderator: Laurent Bertino, NERSC)		
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	Storm Geo	Intissar Keghouche, Storm Geo
14:30 - 14:45	Quiet Oceans - OceanPlanner	Thomas Folegot, Quiet Oceans
BREAK		
The Road Ahead (Moderator: Frank Kauker, AWI)		
15:00 - 15:15	Discrete Element Method (DEM) modelling	Jan Åström, CSC
15:15 - 15:30	Harmful algal blooms	Edson Silva, NERSC
15:30 - 15:45	Biological/BGC modelling	Laura Castro de la Guardia, NPI
15:45 - 16:00	HiAOOS	Hanne Sagen, NERSC
16:00 - 16:45	Discussion Day 2	Moderators: Laurent Bertino and Frank Kauker
16:45 - 17:00	Wrap up and closing	Anna Nikolopoulos, NPI
17:00 End of workshop		