The Norwegian Institute of Marine Research (coordinator)

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The Norwegian Argo Infrastructure (NorArgo)

NorArgo is an ocean observing system for the Arctic that monitors, in near real-time, essential physical and biogeochemical variables. NorArgo operates an array of ~30 autonomous vertical profiling floats, Argo floats.

NorArgo will deploy approximately 13 floats per year to keep the target of ~30 floats operated by Norway active at any time. Argo floats with different equipment and properties will be used. These include floats with standards sensors (pressure, temperature and salinity), additional biogeochemical sensors, and for the deep ocean.

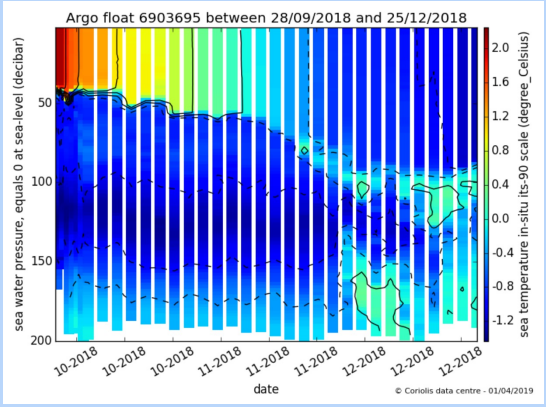

Figure 1. Vertical temperature profile from Argo float WMO 6903695 deployed by Finland and drifting east of Svalbard during September-December 2018.

NorArgo is funded by the Norwegian Research Council for 2018-2023 through the infrastructure project NorArgo2, operating a network of floats in the Nordic Seas (Fig. 1). NorArgo is part of Euro-Argo https://www.euro-argo.eu/ and the international Argo program http://www.argo.ucsd.edu/

NorArgo provides data that is essential for the monitoring and understanding of processes related to climate variability and impacts on the marine ecosystem. Example of data are shown in Fig. 1.

The NorArgo data are freely available to all from the NorArgo operational web site http://www.imr.no/forskning/prosjekter/norargo/map and the Coriolis Data Centre, France (http://www.coriolis.eu.org/)

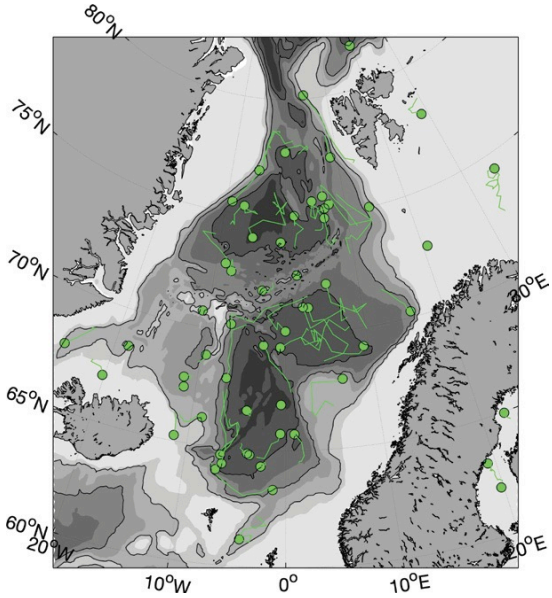

Figure 2. Locations and two months drift of operative Argo floats in the Nordic Seas.

INTAROS has received funding from EU's Horizon 2020 research and innovation programme - Grant Agreement No 727890