

ARGO Denmark National Report

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1. Status

- Candidate membership of EuroArgo initiated in 2022.
- Initial purchasing of first floats initiated in 2022 and completed early 2023.
- Sea trials and learning about float operations (Spring 2023).

2. Level of support

Currently funded by a national infrastructure investment. Once deployments and data flow are initiated, plans are to push for a sustained national program. Likely to mainly have focus in Baltic, North Atlantic and Arctic region.

3. Deployment and purchase plans

We have purchased two NKE PROVOR floats (Jumbo with CTD+Oxygen+Chl-Bscat-CDOM) to be deployed at 78N in the Fram Strait in September this year. We are experimenting with grounding on purpose between profiles (spikes mounted), for “stationary” shelf sea deployment, and also aiming for experience with under ice operations.

For 2023 we currently plan to purchase four floats. Two with CTD sensors only for potential deployment in East Greenland this year (potentially with RBR sensors to contribute to trials). Two similar to the PROVOR for deployment on the East Greenland shelf next year.

4. Summary of national research and operational uses of Argo data

At the Technical University of Denmark (DTU) global ARGO program data is currently used in teaching and research. ARGO data is also used for operational modelling activities by Danish institutions.