



**NANSEN AND AMUNDSEN BASINS  
OBSERVATIONAL SYSTEM**

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From: Igor Polyakov, Professor  
International Arctic Research Center  
University of Alaska Fairbanks

To whom it may concern,

As the Principal Investigator of the NABOS (Nansen and Amundsen Basins Observational System) program, I am very supportive of the research project proposed by Dr. Ardyna and offer him the opportunity to participate in a cruise in 2021.

NABOS is part of the Arctic Observing Network. NABOS research is funded by the National Science foundation and the National Oceanic and Atmospheric Administration. Since the early 2000s, the goal of NABOS has been to compile a cohesive picture of climatic changes in the Eurasian and Makarov basins of the Arctic Ocean. NABOS works to understand how boundary currents transport Atlantic Water, how Atlantic Water interacts with shelf waters, the deep basin interior, and the upper ocean changes in upper ocean circulation within these basins

Dr. Ardyna will have access to an extensive expertise in the physical oceanography of these complex Arctic seas and the interaction with continental shelf breaks. By studying the role of continental shelf breaks (i.e. upwelling and resuspension events) and wildfire aerosol deposition on biogeochemical cycles and phytoplankton dynamics, his scientific approach will nicely complement the current research being conducted by the NABOS science team.

Good luck with your proposal and I look forward to working with you in the future.

Sincerely,

Dr. Igor Polyakov

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