



HiA00S

HIGH ARCTIC OCEAN
OBSERVATION SYSTEM
2023 -2027

OVERALL OBJECTIVE

Advance the uptake of new ocean observing capabilities and capacity in the high Arctic to strengthen European and national infrastructures in their effort to support new and ambitious research within climate, environment and geohazards.

Project website
<https://hia00s.eu>



HOW & WHERE

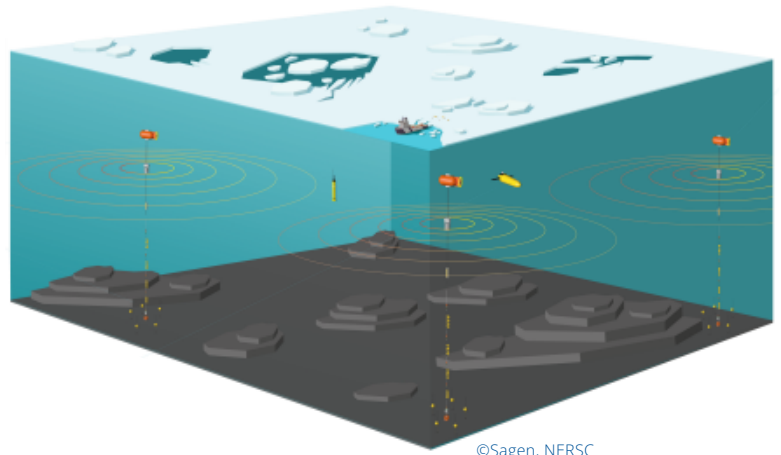
Developing, implementing, and validating several ocean observing technologies to improve data collection in the ice-covered Arctic Ocean. A network of multipurpose moorings will be deployed for two years in the deep Nansen and Amundsen Basins.



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OBSERVING TECHNOLOGIES

The network of multipurpose moorings will provide point measurements of ocean and sea ice and active and passive acoustic data for several applications, including acoustic thermometry, geo-positioning of underwater floats, detection of marine mammals, geohazards and human generate noise.



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MISSION

- 1 Establish collaboration with existing and emerging research infrastructures in the Arctic;
- 2 Improve the observing capabilities in ice-covered Arctic Ocean through new infrastructure;
- 3 Unlock new observing capacity to RIs and researchers through methods, tools and training;
- 4 Advance observing systems in the Arctic building on subsea technology;
- 5 Reduce environmental impact of Arctic observing systems;
- 6 Comply with the FAIR principles and contribute to Open Science.

PARTNERS



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