

NPC 151125: Ocean Change 2026

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Proposal Status: Conformity Determination Issued

[Overview Documents](#)

[Project Overview](#)

Type of application: New

Proponent name:

Clemens von Scheffer

Proponent company:

GEOMAR Helmholtz Centre for Ocean Research

Project Description:

As part of the Ocean Change campaign with the volunteer crew of 8 to 10 people aboard the traditional wooden sailing boat Dagmar Aaen, Mr. Arved Fuchs is planning to visit the Arctic and part of the Nunavut territory. The project has been documenting climate change in the Arctic for over ten years. During these expeditions, we would like to collect continuous oceanographic and climate data such as water temperature, salinity, CO₂ levels, ocean currents, and weather patterns, and provide these data free of charge to the international scientific and meteorological community. It is particularly important to us to work together with local communities, both culturally and scientifically. Our project is designed as a partnership. All environmental data collected will be shared with the community in accessible formats. With your consent, we would be able to transmit and show the above mentioned climate data live on <https://beluga.geomar.de>. We fully recognize Inuit / First Nations / Métis data sovereignty and align our work with the CARE Principles. In June 2026, our expedition vessel Dagmar Aaen will set sail once again. With an experienced crew, she will travel from Hamburg, Germany, via Iceland and Greenland into the regions of Arctic Canada, continuing along the coastlines of Labrador and Newfoundland to Nova Scotia. There, the ship will overwinter before resuming the expedition in 2027. Our scientific, non-profit partners include the GEOMAR Helmholtz Centre for Ocean Research, DWD (German Meteorological Service) . Further information about our project can be found on our website: www.arved-fuchs.de The core values of our mission are: Science for Everyone – Driven by Passion, Not Profit. The ocean is our planet's most powerful indicator of climate change—and it is transforming faster than humanity is responding. OCEAN CHANGE is our commitment to understanding these shifts and

sharing vital insights with the world. For many years, our project has explored how climate change is reshaping the oceans, making scientific data accessible to everyone—openly, freely, and globally. All data are gathered voluntarily and released free of charge as part of a global citizen-science initiative, available to research institutions, universities, and all who are passionate about understanding our changing planet. OCEAN CHANGE is a fully private, non-profit initiative. We receive no public funding, and our crew works entirely on a volunteer basis, united by a shared mission. Our purpose: Inspiring action for the future. We aim to empower people everywhere to demand informed political action—to turn scientific knowledge into real change. Because protecting our oceans means protecting our climate, our future, and the world we leave to the next generations. This year, OCEAN CHANGE proudly enters its eleventh year—a testament to dedication, resilience, and the belief that every individual can make a difference. The set of different sensors we are using to measure parameters in the ocean include continuous underway measurements just pumps ocean surface water through a circle, without altering it or adding chemicals or other hazardous substances. Furthermore, a sensor is lowered by rope into the water to measure depth profiles of oxygen, temperature and salinity at certain locations. Because the sailing boat is subject to weather conditions, the dates specified in the 'project schedule' are preliminary and can change/shift during the journey. An application for marine scientific research has already been submitted to the Canadian authorities. A list of possible port calls as well as more details about the route can be provided closer to the time, and, surely, can be discussed in advance. The first time that waters along the coast of Nunavut territory are entered will be around end of July / early August, after setting sail from Sisimiut in Greenland.

[Project Schedule](#)

Start Date:

2026-07-30

End Date:

2026-08-13

[Project Map](#)

List of project geometries:

Id

Geometry

Location Name

[20798](#)

polygon

[20721](#)

polygon

coastal waters along the indicated area, from north to south

[20722](#)

polygon

coastal waters along the indicated area, from north to south

[20800](#)

polyline

NPC Planning regions:

No Approved Plan

[Project Land Use and Authorizations](#)

Project Land Use:

Scientific Research

Scientific Research

Licensing Agencies:

Nunavut Research Institute

Nunavut Research Institute

[Material Use](#)

Equipment:

Type

Quantity

Type

Use

Ocean Pack

1

100x50

To measure temperature, salinity, oxygen and pCO₂ in ocean surface water

Ocean Pack

1

100x50 cm

To measure temperature, salinity, oxygen and pCO₂ in ocean surface water

Fuel Use:

Type

Container

Capacity

Use

Other

0

0

Sailing boat, wind

Hazardous Material and Chemical Use:

Type

Container

Capacity

Use

No data found

Water Consumption:

Daily Amount (m²)

Retrieval Method

Retrieval Location

0

Waste and Impacts

Environmental Impacts:

No waste or environmental impacts are being produced, apart from a sailing boat sailing along the coast. Waste from supplies will be taken, or disposed of following local regulations at stays in different ports along the route.

Waste Management:

Waste Type

Quantity Generated

Treatment Method

Disposal Method

No data found