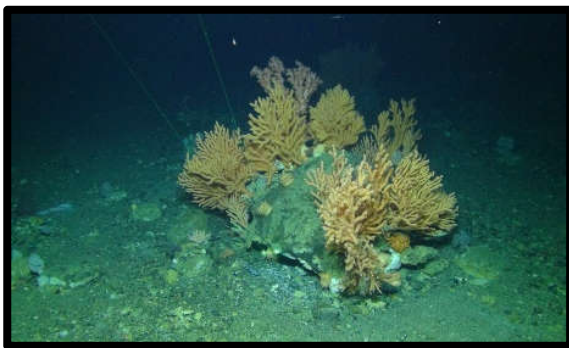




Photos: Amundsen Science

Fully funded Ph.D. in Biology, Geography, or Environmental Science: *Biodiversity and biogeography of cold-water corals in the Northwest Atlantic and Eastern Canadian Arctic.*

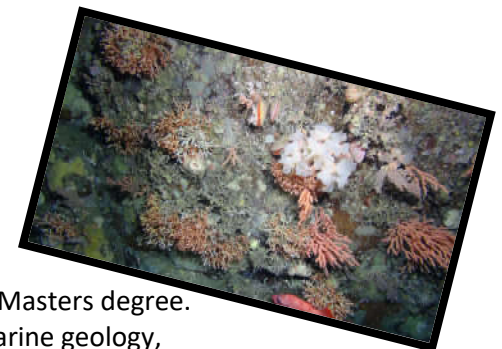
We seek a Ph.D. student for a **biodiversity and biogeography** project in the **Labrador Sea and eastern Canadian Arctic**, beginning in May or September, 2022. This project will analyze previously collected and new **ROV-video** survey data on **cold-water corals** and their associated biodiversity from waters of Newfoundland and Labrador, Nunavut, and Southwestern Greenland, in relation to bottom type and regional oceanography.



Three main research questions will lie at the center of this project:

- 1) How does cold-water coral biodiversity vary along geographic and bathymetric gradients in the Northwest Atlantic and eastern Canadian Arctic?
- 2) What geological and oceanographic factors govern variation in coral biodiversity and biogeography?, and
- 3) How will predicted oceanographic changes associated with climate change and ocean acidification affect coral distributions and biodiversity?

This project will be organized in cooperation with Fisheries & Oceans Canada, and with the governments of Nunatsiavut and Nunavut, and supported by funding from Amundsen Science and Memorial University. The selected candidate will have the opportunity to participate in a planned expedition to the Canadian Arctic and SW Greenland in 2023.



Applicants should have completed or be currently enrolled in a research-based Masters degree. Required skills include a quantitative background in ecology, marine biology, marine geology, geomorphology, or oceanography, and previous experience with video analysis, and familiarity with GIS and statistical/programming languages (e.g. ArcGIS, R).

For more information, please contact:

Evan Edinger (eedinger@mun.ca) or **Bárbara Neves** (Barbara.Neves@dfo-mpo.gc.ca) with a CV and a cover letter stating your main research interests.

Closing date: January 15, 2022

Prospective start date: May 2022 or Sept 2022

Please visit: <https://www.mun.ca/science/graduate-students/interdisciplinary-programs/environmental-science-program/graduate-opportunities/>