



MARINE INSTITUTE



Postdoctoral Fellowship in Ecosystem, Fisheries, & Climate Change Dynamics

Newfoundland has a rich history of fisheries and a culture that is closely connected to the sea. Following the collapse of the northern cod stock, fisheries catches for invertebrates such as snow crab and northern shrimp increased. In recent years, crab and shrimp catches have declined while cod has not yet recovered. Single species approaches struggle to explain such dynamics, emphasizing the need to undertake analyses at the ecosystem scale.

Seeking a highly motivated postdoc to join a team investigating ecosystem dynamics in Newfoundland, Labrador, and the Arctic. This project will involve synthesis of datasets related to relevant ecosystem components and associated fisheries and will involve ecosystem model development. Models will be applied to answer questions related to ecosystem dynamics, fisheries impacts, management strategy evaluation, and projected climate change impacts. One year funding with opportunity to extend.

Location: The postdoc will be hosted by the School of Fisheries at the Fisheries and Marine Institute of Memorial University of Newfoundland, St. John's, Canada. Memorial University is a hub of ocean sciences located in the Province's capital, St. John's – a safe and friendly city with great historical charm, a vibrant cultural life, and easy access to wilderness and a wide range of outdoor activities.

Requirements:

- PhD degree in Fisheries Science/Ecology, Statistics, Mathematics, Marine Ecology/Biology, Oceanography or related discipline
- Demonstrated quantitative skills and experience with R, Python or Matlab
- Ecosystem modelling experience
- Strong writing and communication skills

Start date: Flexible

To apply: Please send a cover letter explaining your relevant experience to, and interest in, the position, CV with three academic references, university transcripts, and relevant publications to Dr. Tyler Eddy tyler.eddy@mi.mun.ca. Position will remain open until filled.