MSc in Fisheries Science (Full Scholarship)

Newfoundland has a rich history of fisheries and a culture that is closely connected to the sea. Following the collapse of northern cod, fisheries catches for invertebrates such as snow crab and northern shrimp greatly increased. In recent years, crab and shrimp catches have declined while cod has not yet fully recovered. Single species approaches struggle to explain such productivity dynamics, emphasizing the need to account for environmental influences and undertake analyses at the ecosystem scale. Climate change is adding an additional impact on marine ecosystems and fisheries.

Seeking a highly motivated MSc student to join our team investigating ecosystem and fisheries dynamics in Newfoundland, Labrador, and the Arctic (thelifeaquatic.xyz for more info). This project will involve synthesis of environmental, ecological, fisheries datasets and will contribute to ecosystem model development. Ecosystem models will be applied to answer questions related to ecosystem dynamics, fisheries impacts, ecosystem-based fisheries management, and projected climate change impacts.

Location: The candidate will be registered in a two year, fully funded MSc program in Fisheries Science at the Fisheries and Marine Institute, Memorial University of Newfoundland, in St. John's, Canada. Memorial University of Newfoundland is a hub of ocean sciences located in the Province's capital. St. John's is a safe and friendly city with great historical charm, known for its hospitality, live music, a vibrant cultural life, and easy access to wilderness and a wide range of outdoor activities.

Requirements:

- BSc in Marine Ecology/Biology, Statistics, Mathematics, Oceanography or related discipline
- Demonstrated quantitative skills and ideally experience with R, Python or Matlab
- Strong writing & communication skills

Start date: Sept 2022 (although an earlier start date is possible)

To apply: Please send a cover letter explaining your relevant experience to, and interest in, the position, CV with two academic references, and university transcripts to Dr. Tyler Eddy tyler.eddy@mi.mun.ca.