



## Blue Box Seminar Series

### Department of Geography

PRESENTS:

**Friday, November 25<sup>th</sup>, 2022**

**3-4pm SN2025**

**Erin Pearson**

*MUN, Geography*

**Searching for climate change solutions in Newfoundland's urban forests**



Urban forests provide municipalities with a suite of benefits and services, and help mitigate the effects of climate change; however, they are increasingly vulnerable to warming climates. The island of Newfoundland provides a unique natural laboratory to study the impacts of continued winter warming, with a gradient of winter climates spanning the island, reflecting the future winter conditions predicted for densely populated areas of Canada. This research provides important empirical findings on the relationship between urban forests and urban ecosystems in NL, highlighting the need for more intentional management and planning to ensure the longevity of urban forests and their benefits into the future.

**Emi Husband**

*Northumbria University, UK*

**The formation and evolution of Caribbean coral reef islands**



Coral reef islands are environmentally high-profile landforms yet are also considered to be one of the most vulnerable environments to the impacts of climate change. Recent research into the past formation and evolution of reef islands in the Indian and Pacific oceans, over a range of timescales, has provided some indication as to how these landforms will respond to future environmental change. However, to date, no such research has been undertaken for any reef islands in the Caribbean. This seminar will provide an overview of Emi's PhD research so far, provide some initial results regarding contemporary reef island evolution, and outline the 3D modelling and sediment budget work she is hoping to undertake at MUN.