

Metadata Details

Title

Biomimetic approaches to decipher the decadal changes in meiobenthic community structure of the Arctic Kongsfjorden

Science Keywords

Category	Oceans
Topic	Marine Biology
Expedition Year	2019-2020
ISO Topic	Oceanography

Summary

Abstract

The Arctic Kongsfjorden has emanated limited studies on the benthic fauna especially on the meiofauna and its ecosystem structure in the above cited context. So the P.I and his research group as part of the National Centre for Polar and Ocean Research (NCPOR) program in the Arctic Kongsfjorden initiated field and laboratory analysis of the benthos specific to meiobenthos and its community structure in 2011, then later in 2015 to 2018 periods. Long term decadal meiofaunal data sets are rare, but of those available it appears are the years of primary recurring cycles of the meiofaunal assemblage. So, the need for decadal observations on the meiofauna is a prerequisite for our understanding on the community pattern and its functionality in the context of the sedimentary and pore water characteristics in highly unpredictable environment of the Arctic.

Purpose

The Arctic Kongsfjorden has emanated limited studies on the benthic fauna especially on the meiofauna and its ecosystem structure in the above cited context. So the P.I and his research group as part of the National Centre for Polar and Ocean Research (NCPOR) program in the Arctic Kongsfjorden initiated field and laboratory analysis of the benthos specific to meiobenthos and its community structure in 2011, then later in 2015 to 2018 periods. Long term decadal meiofaunal data sets are rare, but of those available it appears are the years of primary recurring cycles of the meiofaunal assemblage. So, the need for decadal observations on the meiofauna is a prerequisite for our understanding on the community pattern and its functionality in the context of the sedimentary and pore water characteristics in highly unpredictable environment of the Arctic.

Data Center