



QAUYIHAQTAUNIAQTUQ

INUNGNUT UQARVIKHAQ

NIRB Titiqqait Naahauta: 22YN054

Havaap Atia: **“Evaluation of multidrug-resistant bacteria in the thawing permafrost of the Canadian High Arctic”** havaaq

Uyagakhiuqti Atiat: National Center for Polar and Ocean Research (NCPOR)

Havaap Qanurittunia: Research Aviktuqhimayuq: Kitikmeot Region

Public Registry: www.nirb.ca Application No.: 125738

Uqauhikhanut Umikvia: **September 1, 2022**

HAVAAKHAP HIVITUNIA:

Ihumagiyaayuq “Evaluation of multidrug-resistant bacteria in the thawing permafrost of the Canadian High Arctic” ittuq iluani Kitikmeot aviktuqhimayuq, 8 kilometres-nguyunganahiuq qanitiqamit nunalingmit Cambridge Bay. The Proponent intends to conduct long-term monitoring seasonally, field research includes the collection of samples from the active layer and permafrost to evaluate the presence of potential antibiotic-resistant bacteria (ARB) and antibiotic resistant genes (ARG) and delineate data on ARGs and ARB that could be utilized to demarcate the high-risk permafrost regions for the local population. The core samples will be transported back to India (NCPOR-lab) to study microorganisms persevered in the permafrost soils. Aulaniaqhimayut November 2022-mit October 2026-mut. Hivitunia havariayuniaqtup naunaiqtauhimayuq NIRB-kunit ukuninga ilalik imaa:

- Accommodations by the Canadian High Arctic Research Station (CHARS)
- All waste generated will be properly disposed of in an approved facility;
- Use of a field core sampler to collect samples from six locations from the active layer and permafrost soils near the CHARS campus
- Project activities to be done on foot

Pularlugu NIRB-kut inungnut atiliuriviat qaritauyakkuurvikkut qulaaniitug qinirlugu NIRB Titiqqanut Naahauta: **22YN054** ilitturiyumaguvit havaakhakkut mighaanut nunaayanik inuillu uqauhiinnik.

TUKHIRAUT UQAUHIKHANUT

Tuhaqtittitaqtutit NIRB-kunut ihumagiarnik hamna havaakhak imainmangat:

- ihumaalutauvallaarniarmangat inunnit, huurlu;
- aktumavallaarniaqqat avatimut nakuunngittumik, huurlu;
- aktumavallaarniaqqat nakuunngittumik an’ngutinut Inuillu angunahuarniinnut, huurlu;
- qanurittumik nakuunngittumik aktumayukhaq naunaitpat aktumaniarnia aktumattailiyauttaqqat/ kamagiyaauttaqqat ihuaqtumik atuqtauvaqtumik.

Ilautjutilgillu niqliquyayut aktumattailitjutikhanik ihuarnahuriyamingnik, tuhaqtittitlutiglu NIRB-kunut ikpingnaqtunik turangayunik haffumunga havaakhakmut.

TURAQTITTIVIK

Nunavunmi Avatiliriyitkut haqqitittiut nutaannguqtiqtauhimayumik qaritauyakkuurvingmik inuit qinirhiavikhaannik, ilautjutilgillu pivikhaanik havaariyaayunut ilittuqhautikhanik uvvalu tunihivikhamik uqauhikhanik Avatiliriyitkunut uvuuna <http://www.nirb.ca>. Uqauhikhat tuniyauttaqtut huli turaqtitaulutik Avatiliriyitkunut qaritauyakkut uvuuna info@nirb.ca uvuunaluuniit kayumiktuurutikkut (867) 983-2594.

Apirhuutikhaqaruvit nagiqhiyumirumaguvilluuniit havaakhatigut NIRB-kulluuniit qauyihainiatigut, turarvigilugu Francis Emingak, Technical Advisor I akiittukut (867) 983-4616 titigarvigiluguluuniit uvuuna femingak@nirb.ca.