



# QAUYIHAQTAUNIAQTUQ

## INUNGNUT UQARVIKHAQ

NIRB Titliqqait Naahauta: 22YN053

Havaap Atia: **“Atmospheric Monitoring Observatory in Canadian Arctic”** havaaq  
Uyagakhiuqti Atiat: National Centre for Polar and Ocean Research  
Havaap Qanurittunia: Research Aviktuqhimayuq: Kitikmeot Region  
Public Registry: [www.nirb.ca](http://www.nirb.ca) Application No.: 125739  
Uqauhikhanut Umikvia: **September 16, 2022**

### HAVAAKHAP HIVITUNIA:

Ihumagiyaayuq “Atmospheric Monitoring Observatory in Canadian Arctic” ittuq iluani Kitikmeot aviktuqhimayuup within Municipal boundaries of Cambridge Bay. The Proponent intends to set up atmospheric measurements in Cambridge Bay to observe the ocean-atmosphere-ice system in the Arctic. Aulaniaqhimayut November 2022-mit October 2026-mut. Hivitunia havariayuniaqtup naunaiqtauhiyayuq NIRB-kunit ukuninga ilalik imaa:

- Installation of monitoring equipment at the Canadian High Arctic Research Station (CHARS)
- High-volume sampler for collection of aerosol samples (PM2.5 and PM 10)
- Microwave Radiometer for measuring the vertical profiles of temperature, humidity, liquid water path, and water vapour
- Laser Disdrometer for measuring precipitation rate, the number of drops/particles and liquid

Pularlugu NIRB-kut inungnut atiliuriviat qaritauyakuurvikkut qulaaniitug qinirlugu NIRB Titliqqanut Naahauta: **22YN053** ilitturiyumaguvit havaakhakut mighaanut nunauyanik inuillu uqauhiinnik.

### TUKHIRAUT UQAUHIKHANUT

**Tuhaqtittitaqtutit NIRB-kunut ihumagiyaarnik 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 atuqtauvaktumik.

Ilautjutilgillu nipliquyayut aktumattailitjutikhanik ihuarnahuriyamingnik, tuhaqtittilutiglu NIRB-kunut ikpingnaqtunik turangayunik haffumunga havaakhakmut.

### TURAQTITTIVIK

Nunavunmi Avatiliriyitkut haqqitittiut nutaannguqtiqtauhiyayumik qaritauyakuurvingmik 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](mailto:info@nirb.ca) uvuunaluuniit kayumiktuurutikkut (867) 983-2594.

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