



POLAR  
POLAIRE

# Ukiutaqtumi Qauyihimanuaqvia Kaanatami Hunavaluknik Ihivriuqniq Ayuittiarniqmullu Tunngavinga

2020-2025



Polar Knowledge  
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## Naunaipkainiq uumunnga Hunavaluknik Ihivriunniq Ayuittiarniqmullu Tunngavinga 2020-2025

### Naittuq

Qilamtuqtumik hivulliqpaamilu hilaup aadlangurninnga piliqtuq uumani nunaryuaptikni Ukiuqtaqtungani, pipkaidjutiyuq avatiptiknut aadlangutiriyuq ukiuqtaqtungani avatinga<sup>1</sup>. Unalu, qanurittaakhaa nunamikni aaniaqtailininnga unalu aulapkaitjutikhanik uumani Kaanataup Ukiuqtaqtungani ayurnaqtuqlu, qilamtuqtuqaqtumik, atayunik ihumaaluutigiyayut ihariagiyuq nutaanik ihuarhidjutikhanik. Qanurittaakhaa ihariagiyuq ittunik, maniliqinirmut ihuaqtuq, ikayuutauyumik ihuarhidjutikhanik – ihuarhidjutikhanik qangaraaluknitamik ihuaqtuq piliurhimayuuq naptuyumik tunngavinganik nutaamik ilihimaniq.

POLAR ikayurniaqtait ukiuqtaqtungani nunallaangit ihumaliuriamikni taimaa piliuqtillugu hivunikhamik talvani aaniangittut nakuuyumiklu piyuq, taimaliuqtumik, POLAR tuniniaqtuq ikayuutauyumik nunaryuaptikni. Ukunuuna Hunavaluknik Ihivriunniq Ayuittiarniqmullu (S&T) Tunngavinga 2020-2025, POLAR atauttimuqtittiniaqtuq aadlatqiiknik katimayut ayuittiaqtunik piliurniaqtut akhuurutauyumik-pipkaidjutiyuq ilihimaniq ihuarhiyait qilamtuqtuqaqtuuyuq ihariagiyait Ukiuqtaqtuqmiutat ilitariyait.

1. IPCC, 2018; Meakin unalu Kurvits, 2009

Tamna S&T Tunngavinga naunaqtauyuuq ukunangga POLAR-kut Hivunikhamut Ihumaliurniq piliuqtaalu avatinga iniqtirutinganut ihumaliurniq aadlamit piliuqtauniaqtut ukunangga POLAR havaqatigiiktamiknillu. Tamna iniqtirutinganut ihumaliurut naunaqniaqtait angiyumik pilugu qanuqtut POLAR havaqatigiikniaqtut ukunangga Nunaqaqqaarhimayut, hunavaluknik ihivriutut unalu ayuittiarniqmut ayuittiaqtut piliuriami nutaaq ilihimaniq qilamtuqtumik ihariagiyayuuq taimaa kangirhigiami hungiutigiamilu qilamtuqtumik aadlanguliqtuq Ukiuqtaqtungani. POLAR akhuuqtuq utiffaariami una nutaaq ilihimaniq ukiuqtaqtungani nunallaangit unalu ihumaliuqtuyut tuuliiqhimaittumik. Tamna Tunngavinga ihuarhaqhimayuuq hapkununnga:

**Naunaipkaidjut:** Tuniyuq naittumik Tunngavinganit

**Iluaningani, aktikkulaanga iniqtirinngalu:** Qinirhiayuuq pipkaidjutiyunik piliurninnganit Tunngavinganit, aktikkulaanga, uqaqtaillu qanuqtut nutaat ilihimaniq aadlamit piliuqtauniaqtuq ihuarhaqhimayuuqlu ukunangga Nunaqaqqaarhimayut havaqatigiingit

**Tamna Hunavaluknik Ihivriunniq Ayuittiarniqmullu Tunngavinga:** Naunaiaqta S&T Tunngavinga ukunuuna pingahuuyut tikinnahuaqtangit piyunullu ihumagilluaqtuuyunut.

### Tikinnahuaqtangit

#### Tikinnahuaqtangit 1

Ihuarhiyuuq ilihimaniq uuminnga akhuuqtumik ukiuqtaqtungani nunangga, imannga tariuqmilu avatinga iluaninngani qilamtuqtumik aadlangurninnga

#### Tikinnahuaqtangit 2

Angikliyuumiqtuqtuq kangirhininnga atayunik ukunanit ukiuqtaqtungani nunamikni nakurudjutingit unalu avatinganut aaniaqtailininnga

#### Tikinnahuaqtangit 3

Hivumuqtuqtuq ikayuutauyumik hakugikninnganik, ilihimaninnganik unalu aulapkaitjutikhanik ihuarhidjutikhanik aadlittumik avatinganut, inungnut qangaraaluknitanut qanurittaakhaanik Ukiuqtaqtumi



## Uumuuna Ukiutaqtumi Qauyihimanuaqvia Kaanatami

*Ikayuutauyumik hivuniqui naunaiyaqtauuyuq uumannga ilihimaniq unalu havaqatigiikniq*

POLAR kaanataup timiqutigiyanga piliurhimayuq 2015mi uumannga *Kaanatami Tununganiqpaani Qauyiharvik Maliganga* havaarigiami ikayuriamilu nunamiknut ihuaqtuq nunaryuamullu akhuurutauyuq ilihimaniqmut piliurhimayuq. Tautuktuuyaqtanginnik – ikayuutauyumik hivuniqui naunaiyaqtauuyuq uumannga ilihimaniq unalu havaqatigiikniq – talvunga atayuq tikinnahuaqtamiknut, hivumuuqtiriami ihuarhigiamilu ilihimaniq ukiuqtaqtuqmiutanit hivuliqtinirmut, havaqatigiikniqmut unalu havaqatigiikniq ukiuqtaqtumi Hunavaluknik Ihivriunniq Ayuittiarniqmullu.

POLAR-kut Tiliyuhimayuq ilaliutihimayuq hivumuuqtigtuq ilihimaniq uumani Kaanataup Ukiuqtaqtungani ihuarhigiami maniliurninnganut pivikhaqautikhangit, avatinganut munarinngana qanurittaakhaaniku inuuhingit inungnit aadlallu Kaanatamiutat. POLAR ilitariyait ilumuurutinga piliuriami ihivriunniqmut qanurittaakhaanik tamainnit ihuarhaidjutit tuniliraangat naunaitkutanik ihariagiyauyuq ukununnga naunaiyainiqmut-ittuq ihumaliurniq, akhuuquyailu una qanuriliurutingit. Hapkuat hulilukaarutingit iniqtiqtauuyut uumannga pipkaidjutinga piliurninnganut tuniqhaininngalu ilihimaniqmik aadlanik unaryuaptikni nunagiyangit, unalu Hivuraani ukiuqtaqtup.

Ilagiyanganik Tiliyuhimayanganit, POLAR munariyakhaa hakugiktiriami Kaanataup hivuliqtininnaga uuminnga Ukiuqtaqtungani ihumaaluutigiyauyut. POLAR tuniyuq Hunavaluknik Ihivriunniq Ayuittiarniqmullu Pinahuarut unalu Ilihimaniq Pipkaidjutininnaga Pinahuarut, aulapkaiaalu Kaanatami Tununganiqpaani Qauyiharvik (CHARS) nayugangani Iqaluktuutiami, Nunavut.



## Uumuuna CHARS nayugangani

**CHARS nayugangani nunaryuaptikni-katimayunik havakvik qitqanilu munariyukhanik ihivriunniqmut unalu ilihimaniq pipkaidjutininnaga. Akhuurutauyuq tunngavik havaqatigiikniqmut Nunavuutim Kitikmeonut, tamna nayugangani tunngahuktittiyut ihivriunniqmut tamainnit nunaryuaptiknit havaqatigiiani Kitikmeonmut ayuittiaqtut uumunnga ihuarhiyuq kangirhininnaga nunanngani qanuqtullu aadlanguligtuq.**



Ilihimaniq Aadlanut  
Uqaqatigiivik



Nunanngani  
Naunaitkutariniqmut  
Qanuriliurutingit (GIS)  
havakvinga



Ayuirhaivik havakvinga

## Iluaningani, aktikkulaanga iniqtirningalu

### Piliuqtaa iluaningani Tunngavikhamut

Amigaittut pipkaidjutiyut pivallianingani S&T Tunngavingani, ukuallu hilaup aadlangurninnga, nutaanguqtirniqlu, aadlangurliqtuqlu kavamatkut maliganga. Ilangit, kihimi tamaitaungittut, hapkuat pipkaidjutiyut naunaiqhimayut hamna ataani.

- Anurip uunaqutinga Kaanataup Ukiuqtaqtungani uunaliqtuq nampanganiq malruiqtuqtumik nunaryuapta nampangani<sup>2</sup>. Hapkuat aadlangurninngit pipkaiyut inungnut, pitquhinginnut maniliqinirmullu ayurhautipkaiyuq ukununnga ukiuqtaqtungani nunallaangit Kaanatami, ukuallu pilaqutiyuq niqainnaqnut, iglukharniqmut, inungnut aaniaqtailininnga, pulaarniqmut, umiakkuurniqmut aaniqtailiniqmullu.
- Qangannuaq hivumuuqniq Kaanatami ukunatitut Itquumanikkut Nutaanguqtiriniqlu Katimayinngit Qanuriliuqtukhat, tamna 2018 Maligangit Pimmariktumik Piyait tamna Kaanataup Kavamanga Ilaqatauninnga ukununnga Nunaqaqqaarhimayut Inungit ilitarhininngalu iniqtirningalu uumannga Nunaqaqqaarhimayut Pilaqutingit Tunngavinga pipkaidjutiliqtuq akhuurutauyumik aadlangurninnga ilauqatauninnga ukununnga Nunaqaqqaarhimayut Inungit ikayuriamikni nutaanguqtirniqmut.
- Kaanataup Kavamanga atuliqtut \$3.8 million<sup>3</sup> uumani Hivunikhamut Ihumaliurniq ilitarigiami nutaamik qanuqtut ihivriuriamikni ukununnga ihivriunniqmut Nunaqaqqaarhimayut nunallaangit hivumuuriamikni nutaanguqtirniqmut.
- Ikayuqtaa iniqtirninga uuminnga Ukiuqtaqtungani unalu Ukiuqtaqtungani Maligangit Tunngavinga.
- Kaanataup Kavamanga Hunavaluknik ihivriunniq Tautuktuuyaqtamiknik, pipkaidjutiyuq \$10 billion<sup>4</sup> manikharniq taimaa 2016mit hakugiktigiami hunavaluknik ihivriunniq, ikayuqtuq naunaiyainiqmut-ittuq ihumaliurniq ikayurlugulu pitquhimik ihumagininninganik piliurninnganiklu Kaanatami.
- Kaanataup Kavamanga 2018-2020 Tamainni Qanuriliuritikhanut Piyakhamik uumannga Angmaumayuq Kavamanga “piyuq akhuuqtumik uukturahuaq aadlamit piliuriami piliuriamilu tunngavikmik ihuarhigiami pipkaidjutigiamilu qanuriliuritingit maliganganiklu kavamatkunnit.”<sup>5</sup>

2. Meltofte, 2013; AMAP 2017; IPCC 2018; Bush unalu Lemmen, 2019

3. [https://www.ic.gc.ca/eic/site/131.nsf/eng/h\\_00000.html](https://www.ic.gc.ca/eic/site/131.nsf/eng/h_00000.html)

4. [https://www.ic.gc.ca/eic/site/131.nsf/eng/h\\_00000.html](https://www.ic.gc.ca/eic/site/131.nsf/eng/h_00000.html)

5. <https://open.canada.ca/en/content/canadas-2018-2020-national-action-plan-open-government>



## POLAR-kut Ilaliutihimayuq Illumuurutinganik: Aadlatqiinik unalu Havaqatigiikniq

POLAR iliuraqniaqtait ilihimaniq ayurhauingit uumannga piliuqtuq ilauqatauninnga aadlanullu uqarhugit naunaitkutinginnik. Una atayuq, ilihimaninnganik piyuq piliuqtaa ihumagilluarutinga uuminnga CHARS Nayuganganik unalu himmautingillu ukunuuna POLAR hivumuuqtirniaqtaa ihuarhilugulu ukiuqtaqtumi ilihimaniq.

POLAR piliurniaqtaa naunaitkutimik tamainnit ihuarhaidjutit, ukuallu Nunaqaqqaarhimayut ilihimaniq, piinariaqihimayumut ikayuutikhat tuniyut maligaliuqtiuyunut tautuktuuyaqtunik ihariagiyauyyuq ukununnga naunaiyainiqmut-ittuq ihumaliurniq.

- Tamna 2018 Ukiuqtaqtungani Katimayinngit Anguritinganut Ihuarhigiami Ukiuqtaqtungani Munariyauyuq Ilaunniq “pipkaidjutiyait tigumiaqtiuyut qangaraaluknitaniq nunamiknillu ilihimaniq ilaugiamiknik uumani munariyauyuq hulilukaarutinik titiraqhimayuq Angirutimi.”<sup>6</sup>
- Inuit Tapiriit Kanatami (ITK) 2018 Tamainni Inuinnait Maliganga uumannga Ihivriunniqmut ilitariyait “humi ittut havaqatigiikniqmut qanuriliurninnganiklu hakugiktittaaqtaa pilaqutinga nakuuninngalu uuminnga Inuit Nunangat ihivriunniqmut Inungnut”.<sup>7</sup>
- POLAR-kut 2018 Ukiuqtaqtungani Igluliqiit Katimaniq, piliuqtuq ikayuutauyuq uqaqatigiikniq aadlatqiimut ayuittiaqtut uumani ukiuqtaqtungani iglukhat unalu inungit, ihumagilluaqtait ilitarigiami ihuaqtut ihuarhidjutikhanik pitquyanginniklu ihuarhigiami ilitariyauyuq ayurnaqtuqlu ukiuqtaqtungani igluliqiinirmut pipkaidjutauyut.
- Titiraqhimayumi CHARS Maliganganik, Atan’nguyanga POLAR-kunnut munariyakhait tunigiami Katimayinut angiqtakhanganiq uuminnga Hunavaluknik Ihivriunniq Ayuittiarniqmullu ihumaliurut 2020mi.

6. <https://arctic-council.org/index.php/en/our-work/8-news-and-events/488-science-agreement-entry-into-force>

7. <https://www.itk.ca/national-strategy-on-research/>



## Aktikkulaanga Tunngavinganit

Tamna Tunngavinga ilaliutiyuq aadlaittuq unalu, angikliyuumiqhimayuuq inungnut hunavaluknik ihivriunngit tamainni Ukiuqtaqtumi. Una tunngavinga iliuraqtaa ihuaqtumik, quulitqiamik – uqariiyaqhimayumik ihumagilluaqningga aadlaittumut hunavaluknik ihivriunngit nunannganut uumani CHARS nayugangani, ilihimayuuq uuminnga CHARS Avatinganut Ihivriuqvinganik (ERA). Una ilaliutiyuq nunallaangit ukuninnga Ulukhaktok, Kugluktuk, Iqaluktuutiaq, Urhuqtuuq, Taloyoak unalu Kugaaruk.

Tamna Tunngavinga piyuq ukununnga POLAR-kut ilihimaniq piliurninnga unalu pipkaidjutininnga hulilukaarutitik. Hapkuat hulilukaarutingit ikayuqtuq piliuriami avatinganik talvani tamarmik Nunaqaqqaarhimayut ilihimaniq unalu hunavaluknik ihivriunniq tuniyuq ihuarhigiami akhuurutayut Ukiuqtaqtumi.

Tamna Tunngavinga ihivriuqtauniaqtuq qakunguraikpat taimaa tallimanik ukiunik naunairiami pihimmaqtuq naunaittuq, piliurluni qanuriliurutingit ayuiqtait, ihuarhaqhimmaaqulunilu POLAR-kut qanuriliurutingit piliuriami nutaanik ilihimaniq.



Ulukhaqtuuq



Qurluqtuq



Iqaluktuutiaq



Urhuqtuuq



Taluryuaq



Kugaaruk



## Qanuqtut Tunngavinga piliuqtauyuuq

Hivulliqpaami talvannga piyakhaq, POLAR piliuqtuuq hivituyumik ihivriunqniq ittunik uqaqtamiknik uuminnga ukiuqtaqtungani ihivriunqniqmut hivulliuutiyaqhat maligangillu. POLAR ilauqatauyuuq ukununnga Ukiuqtaqtuqmiutat (Nunaqaqqaarhimayut unalu ukiuqtaqtungani timiqutigiyayut kavamatkullu, ukuallu iliiharvingit) aadlallu Kaanatamiutat ilitarigiama akhuurutaulluaqhimayuuq ilihimaniqmut ayurhauingit uumani Ukiuqtaqtungani aadlittuuq, inungnut hunavaluknik ihivriunqningit ukuallu hakugikninnganik, iqqakut, iqqakuq imanga unalu iglukhamut ilihimaninnganik pivalliani, uuktuqtait naunaiyaqtaillu. POLAR tuhaayut akhuurutaayunik titiraqhimayuuq qanuqtut nutaaq ilihimaniq iliuraqtauyukhaq aadlanullu tuhaqtipkarlugit, ukuallu akhuurutaayuuq maligangit qanuriliurninngit ihumagiyayukhat taimaa piliulirumik hunavaluknik ihivriunqniq uumani ukiuqtaqtungani iluaninngani.

POLAR ilaliutiyaait qanurittaakhaanik pipkaidjuthimayuuq ilauniq naunaitkutamik piliurninngani uumanga Ukiuqtaqtungani unalu Ukiuqtaqtungani Maligaq Tunngavinga aadlallu akhuurutaayut havaaq tamainnit Nunaqaqqaarhimayut timiqutigiyayut, kaanatap kavamanga, avikturhimayumi kavamanga, ukiuqtaqtungani iliharvingit, kavamaungittut katimayiingit unalu tamainni timiqutigiyayut. Tamna Tiliyauhmayut unalu pinahuarutingit aadlanik ukiuqtaqtungani timiqutigiyayut ihumagiyayullu.

### Qanuriliurutikhat

Hivituyut ihivriunqniq ittunik uqaqtamiknik uumannga ukiuqtaqtungani ihivriunqniqmut hivulliuutiyaqhat maligallu;

Ilauqatauniqmut katimaniq: Katimapkaiyuq 75 timiqutigiyayut tamainni 17 ukiuqtaqtungani nunallaangit katimatillutik;

Apiriyut qanuqtut ihumagiyamiknik: Piyut 380 qaritayakkut apirhuutingit kiudjutayut Kaanatamiutanit hivitutqiyayuuq;

Titiiqqanik ihivriunqniq: Ihivriuqtauyut titiiqqat, ukuallu qanuqtut ihumagiyamiknik uumannga Ukiuqtaqtungani unalu Ukiuqtaqtungani Maligaq Tunngavinga uqaqatigiikniq;

Inungnit ihivriuqtauyuuq inirhimaittunit S&T Ihumaliurut: Ihivriuqtauyuuq uumannga 70nit inungnit unalu timiqutigiyayut tallimanit ukiuqtaqtunganit (Nunavut, Nunatsiaq, Yukon, Nunavik, uumanilu Nunatsiavut);

Naunaiyaqtauyuuq uumannga Tunngavinga talvannga piyakhaq aadlamit piliurninnga uumannga iniqtirutinganut ihumaliurut .



## Iniqtirutinga

**“Taimaa amihut ihivriunqniqmut piyauyut Ukiuqtaqtumi, Ukiuqtaqtungani ihivriunqniqmut katimadjutikhat, apirhuutit qanuriliurutingit ilaani ihumagiyauyuq Qablunaat Nunagiyangani ... unalu Ukiuqtaqtungani nunallaangit ilaani akhuuqtumik ilauyut, uqaqtayut naunaipkaqtayulluuniit.”**

### Ikaarvik Tariukkullu

Talvanngaani hivulliqpaami ilaupkainiqmut akhuuqtunik aadlaniklu qanuqtut ihumagiyamiknik piyait, POLAR akhuuqtut aadlamit piliurninnganik iliurariami S&T Tunngavinga. Tamna havaaq ilaliutiniaqtuq Inuinnainnik, Aallainnik, Qablunaanguvyaktunik Aadlainnik unalu Ukiuqtaqtuqmiutat.

Tamna iniqtirutinganut ihumaliurut ilitarinaqtait aadlamit piliurhimayut hivulliutiyakhat, naunaqhimayunik ihivriunqniqmut apirhuutingit, qanuqtut piyakhat unalu hulilukaarutunik hivumuuriamikni pingahuuyunut atayut tikinnahuaqtangit.

Titiraqhimayumi ihumaliurutimi, nutaaq ilihimaniq aadlamit piliuqtauniaqtuq ukunuuna atayumit ihivriunqniq ihivriunqniqmut naunaqtaamiknit amihunit ihuarhaidjutit. Talvannga piliuqtauniaqtuq tuniyaulunilu tuuliiqhimaittumik kaanatami tamainnillu piinariaqahimayumik naunaitkutanik.

Iniqtirutinga naunaqtauniaqtuq akhuurutaayumit maligangit naunaqhimayut Piksangani 1 [makpirviani 14](#).



POLAR pinaqtait qanurittaakhaanik ukunuuna:

**Talvunga tuniqhainiq:** POLAR atuqtuq nanminingit havaktinginnik aulapkaidjutinginniklu maniknik havaqatigiigiamikni tahapkununnga aadlanut piyut tikinnahuaqtamiknik.

**Akiliuhiamit ikayuutit:** POLAR tuniyuq ihivriuqtiuyunut piinariaqahimayuuq uumunnga CHARS nayugangani ukunungalu ilitariyauyunit ikayuutinik POLAR havaktinginnit, unalu uumunnga tunngahuktittiniq ihivriuqtiuyunit tamainnit nunaryuaptiknit havagiamikni Kitikmeot ihivriuqtinganit ihumagilluariamiknik uumunnga kangirhininnga nunannga qanuqtullu aadlanguliquq.

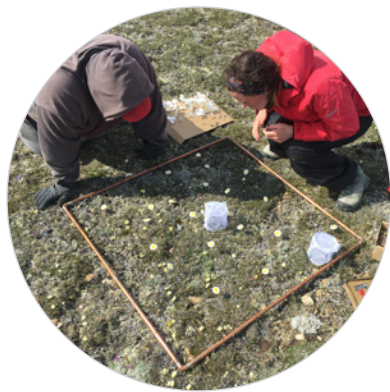
**Manikmik ikayuutit:** POLAR tuniyuq aittuutinginnit tuniyauyullu ikayuqtauyut ukununnga POLAR-kut tikinnahuaqtamiknik ayuittiaqtunut hilataanit piyut angmaumayumik, uuktuqtumik maniktarvikhanganik.

**Munariyuq hilataanit pittaarninnganik:** POLAR pipkaidjutiyuq aadlat havagiamikni uumani hivulliutiyakhat ukiuqtaqtungani inungit pigiamikni aadlanut piyut tikinnahuaqtangit piliuriami nutaanik ilihimaniq nunamiknit akhuurutaayut tamainnillu akhuurutaayuuq.

POLAR akhuuqtut mikhilaariamikni ayurhautinik angikliyuumiqhugillu pivikhaqautikhat ukununnga Nunaqaqqaarhimayut nunamiknilu hivuliqtingit uumunnga ikayuqtuq ayuitamiknik piliurninnganik, ikayurhugit havaamut naunaipkainiq, pipkaidjutiyuq Nunaqaqqaarhimayut inuulrammiingit ilihaghimaaqniqmik uumani Hunavaluknik ihivriunqniq, Ilihimaninnganik, Hanauyukhanik Titirauyaqtiuyuuq Kihitittiniklu (STEM) ilihaidjutingit.

Uumunnga ilitariyait Nunaqaqqaarhimayut Inungit aadjikutariiktumik havaqatingit piqaqtumik ittumik piyunnautinga, ukuallu ihumaliurninnganut, POLAR naunaqniaqtait hivuliqtiniq qanuqtut Kaanatap Kavamanga qanuriliurutingit ihivriunqniqmut, maligaaq piliurninnga piyunnautingalu mihiknaqninganit nutaanqutittiniqmut.

**Piksanga 1** Akhuurutauyut maligangit atuinnaqtamikniklu naunaiyainiqmut iniqtirninnga



**Aadlamit piliurninnga**

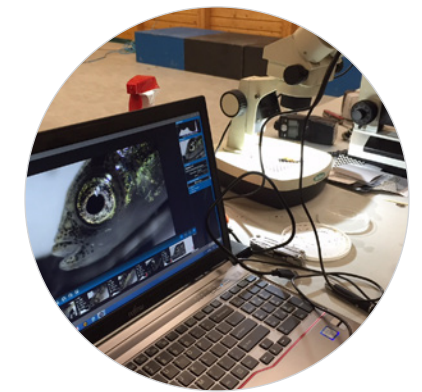
Ilaliutilugit Nunaqaqqaarhimayut havaqatingit aadlamit piliuriami iniqtirutinganut ihumaliurut , ilaliutiniaqtuq ihariagiayuyunik maligangit havaqatigiigiami, hivulliutiyakhat, qanuriliurutingit pipkaidjutauyut.

**Havaqatigiikniq**

Havaqatigiiklugit ukununnga ukiuqtaqtungani unalu Nunaqaqqaarhimayut nunallaangit timiqutigiyayullu, aadlat kavamatkunni havakvinginnut, ihivriuqvingit nanminiaqtunullu, munarilugillu ikayuutikhat tunigiami uumunnga Tunngavinga unalu iniqtirutinganut ihumaliurut .

**Pittaaliurninnganik**

Piliurlugu pittaarninnganik nunallaanut ittut munariniq unalu ukiuqtaqtungani-pipkaidjutihimayut ihivriunqniqmut ukunani Nunaqaqqaarhimayut nunagiyamiknilu hivuliqtingit.



**Nunagiyamikni ilauniq**

Ikayurlugu nunagiyarni hivuliqtiniq ilihimaniqmik piliurninnga ihumaliurutingit, ayuirhainiq unalu ilihimaniq pipkaidjutininnga.

**Ilihimaniq pipkaidjutininnga**

Naunaiqlugu Nunaqaqqaarhimayut ilihimaniq unalu munariyayuyuq naunaiyaqtanginnik piliurluni nutaamik ilihimaniq piinariaqihimayuy tamainnut Kaanatamiutanut atuqtakhangit maligami ihumaliurniqmilu, piliurlugulu ilihimaniq hunavaluit aadlanut inungnut.

**Nampanganic munariniq**

Ikayurlugu ihuarhaqhimayut nampangit munarininnga aturlunilu atuqtaunginnaqtunik qanuriliurutinik, pittaarumi, naunairiami naunaitkutaqtiqtuq aadlamik nampanganic unalu nampanik piliuqtauyut takunnaqtut, piinariali, unalu ihuaqtumik angmainnarialik pittaarumi.



## Tamna S&T Tunngavinga 2020mit-2025mut

Tamna S&T Tunngavinga ilaliutiyuq pingahunik atayut tikinnahuaqtangit piyuq qanuqtut ihumagiyamiknik katitiqtauyuq ukunuuna ukiuqtaqtungani inungnullu ilaupkainiq hulilukaarutinik.

### Tikinnahuaqtangit 1

**Ihuarhiyuq ilihimaniq akhuuqtumik ukiuqtaqtungani nunannga, imannga tariuqmilu avatinga iluaninngani qilamtuqumik aadlangurninnga**

Ilitariyauyuq ilihimaniq ihariagiyauyuq nunagiyamikni, avikturhimayumi tamainnilu nampangit nakuutqiamik naunaipkariami uuktuutingit itqurnarutinginniklu. Piniaruknaqhiyuq hulilukaarutinik talvani POLAR havaqatingillu ihumagiyakhait akhuurutinginnik hapkuninnga ilaliutihimayuuq:

- **Katitiqtuq naunaitkutanik naunaiyainiq** uumunnga nunannga, imannga tariuqmilu avatinga, ukuallu pingittuq inuuyunit ilagiyanganik ukunatatit hikunganit (qiqininnga nuna, aput tariuplu hikunga); unalu
- **Munariyuq atayullu uuktuutiniq** uuminnga nunannga, imannga tariuqmilu avatinga aadlangurninnga talvani naunaitkutingit piliurhimayut.

Ihumagiyauyuq ihuaqtumik ihumagilluaqniaqtait niqainnaqnut, qanurittaakhaanik niqinik qanuriliurutingit huradjallu nunguttailiniqmut ihumaaluutigiyauyuq.

Hivumuunqniqmut uumunnga tikinnahuaqtangit pipkaidjutiniaqtuq nakuutqiamik kangirhininnga uuminnga ukiuqtaqtungani avatinga ilauqatauninngillu, ilitarininnganiklu akhuurutauyut huradjat ihivriuqtakhanginnik munariyakhanginniklu.

Amigaiqtut kan'nguit  
pipkaidjutyuq angyumik  
ayurhautimik ilanganut  
Ukiuqtaqtungani avatinganut



Ivingit akhuurutauyuuq  
niqikhanga ukiuqtaqtungani  
nunamit nauhimayunik  
niriyuktunut



Mikkannuat tingilaittuq  
kumak (collembola)  
naunaittut Ukiuqtaqtumi



## Tikinnahuaqtangit 2

### Angikliyuumiqtuq kangirhininnga ukiuqtaqtungani nunamikni nakurudjutingit avatinganut aaniaqtailininnga

Ilitariyauyuq Ukiuqtaqtuqmiutat ikayuqtauniaqtuq nakuutqiamit kangirhininnga qanuqtut aadlangurninngit avatingani ayurhaqtipkaiyuq niqikhamut, nunallaanut nakurudjutingit qangaraaluknitamiklu inuuhimaninnga. Piniaruknaqhiyuq hulilukaarutinik talvani POLAR havaqatingillu ihumagilluaqtaqtait akhuurutinginnik hapkuninnga ilaliutittaqtuq:

- **Nunamikni-pipkaidjutihimayuq ihivriunqniqmut** (avatingani akuniraalukmik nampanginnik pilik) **amigaittunik aadlatqiiktuniklu** niqainnaqnik angunahuaqtamiknillu, ukuallu nayugangit qanuqtut hapkuat aadlangurninngit ayurhautipkaiyuq niqikhamut nakurudjutikhamullu;
- **Ihuarhainiq ilihimaniq aaniarutinik** ukiuqtaqtungani huradjani, ukuallu pilaqutingit niqainnaqnik; unalu
- **Nakuutqiamik kangirhininnga qanuriliurutinginniklu avatinganut aadlangurninnga** uumunnga nunamikni nakurudjutingit.

Ihuarninnga uumunnga tikinnahuaqtangit pipkaidjutiniaqtuq ihuaqtumut nunamikni nakurudjutingit nakuutqiamiklu kangirhigiami ukunanik:

- Iqalungit huradjallu amihuuninngit aaniaqtailininnga unalu akhuuqtumik (ukunatitut qaffiuyut naunaiyaininnga, ingilraninngit, timingit qanurittaakhaanik, aaniarutiqarninnga) qanuriliurutinginniklu niqainnaqnik piqarninnga amihgaininngalu;
- Qanuriliurutingit nunamikni halumailrunga unalu inungnut hulilukaarutinik avatinganut (ukunatitut anuringa qanurittaakhaanik, imanga qanurittaakhaanik) unalu nunamikni nakurudjutingit; unalu
- Ilaliutininnga inungnit hulilukaarutinik unalu avatinganut pilaqutingit.

Umingmait Victoria Islandmi



Iqalukpinik qauyihainiq



Iqaluktuuttiaq, Nunavut



## Tikinnahuaqtangit 3

### Hivumuuqtiqtuq hakugikninnganik, ilihimaninnganik and aulapkaitjutikhanik avatinganut Ukiuqtaqtumi

Ilitariyauyuq tamna Ukiuqtaqtuqmiutat ihumaaluutilgit imanga qanurittaakhaanik aliagiyanginniklu aadlanik akituvallaangittunik piyaxhangit iqqakumut iqqakuq imanganiklu munariniq, himmautinga nutaangurninngalu hakugikninnganik ihuarhidjutikhanik , piliuqlunilu ayuitaminik piliurhimayuq uumunnga ukiuqtaqtungani qanurittaakhaanik. Piniaruknaqhiyuq hulilukaarutitik talvani POLAR havaqatingillu ihumagilluamamikni akhuurutitik ilaliutiuyuq:

- **Ikayuqtaa uuktuutinganik naunaiyainiqlu halumayunik hakugikninnganik ihuarhidjutikhanik** (ukunatatit hakugikninnganik tutquumavinga, urhuqyungat, hivumuuqtitauyuq nungulaittumik hakugikninnganik ayuitaminik) uumunnga havakvinganit, kavamatkunnit iliharvikmillu ilihimaliqtinnagu iliurainiq unghahiktumut ukiuqtaqtungani nunallaangit , ukuallu ikayurninnga pitinnagu unalu maniliurniqmut piinarialik ayuitaminik;
- **Ihuarhiyuq iqqakut unalu iqqakuq imanga halummaqtirniq** uumunnga ikayuqtuq nutaanik piliqtuniklu ayuitaminik (ukunatatit igiyuq-uumunnga-hakugikninnganik, qirnarivyaktuq qirnariktuqlu imaq, puyurninnganik, atuffaaqtittiniq) mikhiyait akhuurninnga iqqakurvinga ihuarhilugulu imanganik qanurittaakhaanik. Una ikayurniaqtaa ikikliyuumiqlugit aaniaqtailininnga qayangnautingit piyut ikualaaqtittiyut kuviyuniklu halumailrunik avatinganut; unalu
- **Ikayuqtuq piliurninnganik nutaanik , akituvallaangittunik pitquhimullu ihuarhaqhimayut iglut** nappaqtauttaqtut munariinialiklu aturumi ikayuutauyumik hunavaluknik pittaarninngalu nunallaanganit.

Hivumuuqniq uumunnga tikinnahuaqtangit pipkaidjutipkainiaqtuq nakuutqiamik kangirhininnga ukunanik:

- Ihuaqtuq hakugikninnganik, iqqakuq, iqqakuq imaq unalu iglumut ayuittiarniq unghahiktumut ukiuqtaqtungani nunallaangit ; unalu
- Aadlaittuq pitquhinga, avatinganut ilitariyauyullu ihumagiyaxhangit uumunnga ukiuqtaqtungani iglut.

Qaritauyakkuuqtut alruyaktuutit uuktuqtauliqtut



Hiqinirmiup aulanianik maliktuq uuktuqtauliqtut alruyaktuutikhauyaakhaa qauyihaqtauliqtuq



Uuktuliqtut hiqinirmit alruyaktuutiliurivlutik CHARS igluqpalluangani





# Ukiuqtaqtumi Qauyihimanuaqvia Kaanatami Hunavaluknik Ihivriunniq Ayuittiariniqumullu Tunngavinga

## 2020mit-2025mut

### Tautuktuuyaqtavut

Ikayuutauyumik hivuniqmi naunaiyaqtauyuuq uumanninga ilihimaniq unalu havaqatigiikniq

### Naittumik

Una naittuq Ukiutaqtumi Qauyihimanuaqvia Kaanataup Hunavaluknik Ihivriunniq Ayuittiariniqumullu (S&T) Tunngavinga 2020mit2025mut.

Piliurhimayuq qanuqtut ihumagiyamiknik ukunanik Nunaqaqqaarhimayut unalu ukiuqtaqtungani nunallaangit aadlallu Kaanatamiutat, Tunngavinga atuqtauniaqtuuq naunaiyariami aadlamit piliurninnga uuminnga iniqtirutinganut ihumaliurut. Tamna ihumaliurut naunaiqniaqtaa qanuqtut POLAR havaqatiginiqtaa tunigiama Tunngavinga ukuallu aadlamit piliurninnga hivullituyakhat, qanurittaakhaanik qanuriliurutingillu.

### Huuq

Huuq piyuq S&T Tunngavinga naunaiyariami qanuqtut POLAR havaqatigiikniaqtut ukununga Nunaqaqqaarhimayut, hunavaluknik ihivriutut unalu ayuittiariniqmut ilihimaniqmik pihimayut piliuriami, munarilugit ihuarhigiamilu ilihimaniq nakuutqiamik kangirhigiami hungiutigiamilu qilamiuqtumik aadlanguqtuuq Ukiuqtaqtuuq. Utiffaarniq ilihimaniq ukununga ukiuqtaqtungani nunallaangit unalu ihumaliuqtiuyut ikayuqtuuq ikayuutauyumik unalu naunaiyainiqmut-ittuuq ihumaliurniq.

Akhuurutauyut maligangit atuqtamikniklu naunaiyaiyuq iniqtirinnganik

Aadlamit piliurninnga

Nunagiyamiknut ilauniq

Havaqatigiikniq

Ilihimaniq pipkaidjutininnga

Pittaaliurninnga

Nampanganiq munariniq

Tikinnahuaqtangit	Hivumuutiqtuq ilihimaniq	Ihuhariyuq ilihimaniq
Kitut ilihimaniq ihuarhidjutingillu ayurhautimut iliuraqtaqtait? <b>Tikinnahuaqtangit 1</b> Ihuhariyuq ilihimaniq uuminnga akhuuqtumik ukiuqtaqtungani nunannga, imannga tariuqmilu avatinga iluaninngani qilamiuqtumik aadlangurninnga	Kitut aadlangurninngit pipkaidjutittaqtuuq unalu/unaluuniit nutaq ilihimaniq piliuqtauyuuq? <ul style="list-style-type: none"> <li>Kangirhininnga ukuninnga ukiuqtaqtungani avatinga ilauqatauninngalu</li> <li>Iltarniq huradjanik naunaiyaqtakhangit munariyakhangillu</li> </ul>	Qanuqtut piliurninnga atuqtautaaqtut aadlanullu tunilugit? <ul style="list-style-type: none"> <li>Ilihimaniq, nampangit unalu qanurittaakhaanik himmautihimayut uumunnga atuqtauyunullu uumannga kaanatami nunaryuaptiknilu qanuriliurutingit</li> <li>Naittuq tuniyayuq nunagiyamiknut, avikturhimayunut uumunngalu kaanatamut ihumaliuqtiuyut</li> <li>Hulilukaarutiniq ilaliutiyait nunagiyamiknut, avikturhimayunut uumunngalu kaanatamut timiqutigiyayut</li> </ul>
Angikliyuumiqtittuuq kangirhininnga ilaliutininnga ukunanit ukiuqtaqtungani nunamikni nakurudjutingit unalu avatinganut aaniaqtailininnga <b>Tikinnahuaqtangit 2</b>	<ul style="list-style-type: none"> <li>Kangirhininnga iqalungit huradjallu amihuuninngit aaniaqtailininnga unalu akhuuqtumik qanuriliurutingillu niqainnaqmik qanurittaakhaanik piqarninngalu</li> <li>Kangirhininnga qanuriliurutinga nunamikni halumailuuq avatinganut unalu nunamikni nakurudjutingit</li> <li>Kangirhininnga ilaliutininnga ukunanit inungnut hulilukaarutiniq unalu avatinganut pilaqutingit</li> <li>Ihuharhaqhimayuq nunamikni nakurudjutingit</li> </ul>	<ul style="list-style-type: none"> <li>Hulilukaarutiniq ikayuriami ilaliutigiami havaangit nunavunmit kaanatap kavamanganit, kaanatami Nunaqaqqaarhimayut timiqutigiyayut ilihainiqmullu qanuriliurutingit</li> </ul>
Hivumuutiqtuq ikayuutauyumik hakugikninnganik, ilihimaninnganik unalu aulapkaitjutikhanik ihuarhidjutikhanik aadlittumut avatinganut, inungnut pitquhimullu pitquhimut qanurittaakhaanik Ukiuqtaqtumi <b>Tikinnahuaqtangit 3</b>	<ul style="list-style-type: none"> <li>Kangirhininnga ihuaqtumik hakugikninnganik, iqqakut unalu iqqakuq imanga ayuitamiknik unghahiktumut ukiuqtaqtungani nunallaangit</li> <li>Kangirhininnga aadlittumut pitquhinga, avatinganut ilitariyayullu ihumagiyanginnik ukununga ukiuqtaqtungani iglut</li> <li>Mikhilaaqtuuq urhuquyamik ihariaginiq</li> <li>Angirutingit ihuaqtunik ayuitaminik</li> <li>Ikikliyuumiqhimayuq akuniraaluk aaniaqtailininnga unalu avatinganut pilaqutingit piyuq imaqmut iqqakuq imanganiklu unalu iqqakunik halummaqtiniq</li> <li>Tamaat pipkaidjutiniq ihuharhaqhimayunut iglut</li> </ul>	<ul style="list-style-type: none"> <li>Nampangit, qanurittaakhaanik unalu ilihimaniq naunaipkariami ihumaliuqtiuyunut, nunamikni nunallaangit unalu ilihimaninnganik piliuqtiuyut</li> <li>Hulilukaarutiniq ilaliutigiami tahapkuat kaanatami timiqutigiyayut ilihainiqmullu qanuriliurutingit</li> </ul>

[info@polar-polaire.gc.ca](mailto:info@polar-polaire.gc.ca)

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