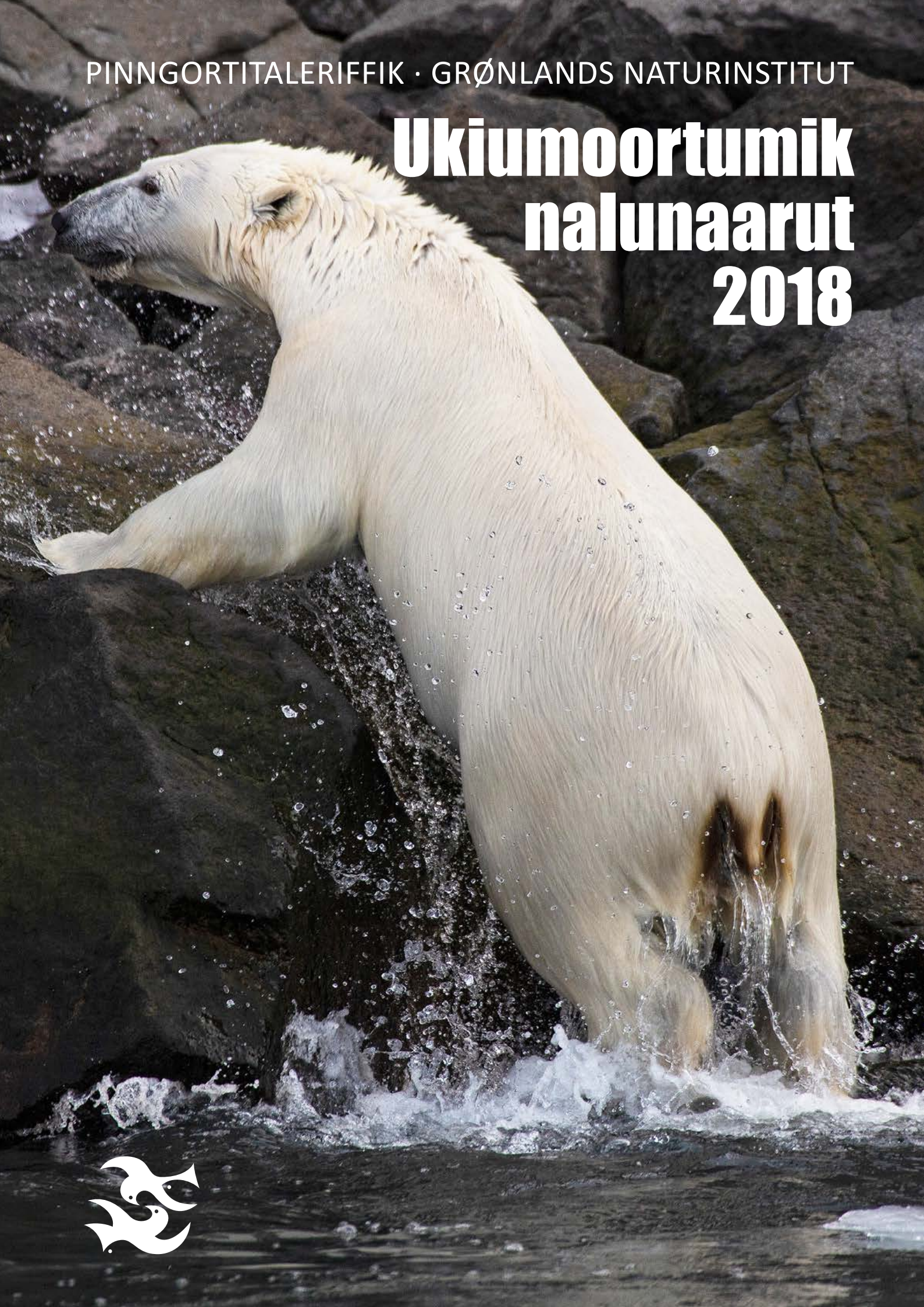


PINNGORTITALERIFFIK · GRØNLANDS NATURINSTITUT

Ukiumoortumik nalunaarut 2018



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Ukiumoortumik nalunaarut 2018 (V 1.0)

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Siulequt

Ilisimatuussutsikkut allaaserisat 168-it, ataatsimeeqateqarnissamut allakkiat piareersaatit nalunaarusiallu arlalissuit – 2018 Pinngortitaleriffimmut ulapaarfiuvortaaq. Sulisorisat ilinniar-simanerat aallaavigalugit piginnaasaasigut teknikikkullu piginnaasaasigut siuarsaajuarnikkut tigummiinnarneqarnissaat piginnaasaasalu qaffat-sikkiartuinnarnissaat qulakkeerniartuarsimavarput. Taamaalilluni sulisut tamakkerlutik misilit-tagariligaat ukiullu sulisimanerat katikkaanni, Pinngortitaleriffik ukiup naanerani aatsaat taama ukiunik amerlatigisunik oqarta misilittakkanik pigisaqartigilerpoq. Tassa sulisut tamavimmik atorfeqarsimanerat katillugit ukiut 590-iummata.

Ataaserli Pinngortitaleriffimmut pingaaruteqartoq ukiuni ilaqqittussaajunnaarlugillusooq 2018-imi atorunnaarneqarpoq, tassalu ilisimatuussutsikkut misissuut "Pâmiut" avataani aalisagaqassutsinik mississuutaasimasooq. Nunatta imartaani katillugit ukiuni 47-ni, siullermik kilisaatitut saarullinniutitut atoriarluni, ukiut kingulliit 26-t aalisakkanik misissuutitut atorsimavoq. Allaqquttussaannngitsumik umiarsuaq pisoqalimmat sakimminnarluaqisoq atorunnaartariaqarsimavarput. Kilisaatip ukiuni misissuutitut atornerani qujanangaaqisumik inut-taqartarsimavoq aalajaatsunik tulluusimaarutigisaminnillu ukiuni taakkunani ilisimatuussutsikkut misissuummik misissuinerik ingerlatsiuarsimasunik. Tamaaliornermikkut suliffeqarfiup ilisimatuussutsikkut sulinissaminut paasissutissanik

aallaaveqartussaataitanera qulakkeeruttuarluargu katersuisarnerni suleqataalluarnermikkut suliffeqarfiup ullumikkut paasissutissaataanit katersanit pingaarnert ilaat katersaatigineqalersissimavaat.

Ukioq 2018-ip ingerlanerani umiarsuup misissuutissap taartissaanik sulissuteqarneq ingerlanneqarpoq suliassat immikkoortitaarlugit ataatsikkut suliarinerisigut naalackersuinikkut qularnaagasat, Naalackersuisoqarfitsigoortunik suliassat, aningaasalersorneqarnissaanut tunngassuteqartut kiisalu teknikkimut tunngassuteqartortaanut sammivillit ulapputigineqarput. Tupinnaannartorsuarmik aatsaat taamak sukkatigisumik nutaamik ilisimatuussutsikkut umiarsurmik misissuummik pissarsinissamik aqqutissiuussineq pivoq, isummernissamut tunngavissat, aningaasaliinerit taamalu umiarsuassamik sananissaq, tamarmik sukkaannaq suliarineqarlutik akuersaarneqarput. Taama Kalaallit Nunaata aningaasaliinera ilisimatusernermi atortuuteqarnissap pingaarutaanik paasinninnermik imaqaannaranani aammattaaq siumut isigimalluni aalajangiineruvoq kinguaariiaanut tulliuttunut ajunngitsumik kinguneqartussa, minnerunngitsumillu Pinngortitaleriffiup ingerlanneqarneranut erseqqissumik paasinninnermik tapersiinnermillu imaqartoq.

Klaus Nygaard

Pisortaaneq

Pinngortitaleriffiup sinaakkutai

Anguniagaq

Pinngortitaleriffik Kalaallit Nunaanni Namminersorlutik Oqartussat pinngortitaq pillugu ilisimatusarnernik ingerlatsivigaat inatsisartut inatsisaat nr. 6, 8. juni 1994-imeersoq tunngavigalugu pilersineqarluni. Pinngortitaleriffik Kalaallit Nunaanni eqqaanilu uumasusillit (naasut uumasullu) piujartitsiniarnermik tunngaveqartumik iluaqutigineqarnissaat aammalu avatangiisit uumasooqassutsillu assigiinngisitaartuarnissaat pillugit ilisimatuussutikkut uppersaatnik katersuillunilu ineriartortitsissaq. Ilisimasat tamakku Pinngortitaleriffiup Kalaallit Nunaanni Namminersorlutik Oqartussanik siunnersuisarnerani pingaarnertut tunngaviasassapput. Pinngortitaleriffiup naasunik uumasunillu aqutsinermi iluaquteqarnermilu Namminersorlutik Oqartussat, kommunit allallu siunnersortarpai. Naalackersuisunut siunnersuineq pisarpoq ilaatigut toqqaannartumik, ilaatigut aamma nunani tamani ilisimatuussutikkut suleqatigiiffiit, Kalaallit Nunaata peqataaffigisai, aqutigalugit. Pinngortitaleriffiullu aamma nunat tamat akornanni pissaaffiit ilaannut tunngassuteqartutigit Kalaallit Nunaat sinniisuuffigisarpaa. Pinngortitaleriffik ilisimatusaatigalugu misissuinerit paasisanik tamanut saqqummiussisussaatitaanermik pissaaffeqarpoq. Pinngortitaleriffillu aamma suliasaqarfimmi iluini avatangiisinik pinngortitamillu ilisimatusaatigalugu misissuisimaguni misissuinerit inernernik saqqummiussisussaatitaavoq.

Suliassat

Pinngortitaleriffiup ilisimatusarnikkut sulinera aallaaviit sisamat tunngavigalugit ingerlanneqarpoq: Ilisimatusarnej, misissuisarnerit, siunnersuineq attaveqatigiinnerlu pingaartumik makku anguniarlugit:

- Piujartitsiniarnermik tunngaveqartumik iluaqutigininnissaq uumasooqassutsillu assigiinngisitaarnerisa qularnaarneqarnissaat anguniarlugu siunnersuinerit
- Iluaqutigineqarsinnaasunik nalilersuinerit (peqassutsinik nalilersuinerit)
- Uumasooqatigiit siaruarfigisimasaasa killinginik nalunaarsuineq
- Uumasooqatigiit ataasiakkaat piaqqisarnerisa amerliartorsinnaanerisalu nalilersorneri
- Uumasooqatigiit ataasiakkaat nerisaqartarneri uumasooqatigiiaallu assigiinngitsut ataqatigiiffii
- Piniutinik/aalisaatinik/sakkunik nalilersuinerit ineriartortitsinerillu
- Silap pissusiata allangornerata kinguneri.



Pinngortitaleriffiup illutaasa nutaajunerpaat, tassaniippullu Pinngortitaq pillugu ilisimatuussutsikkut Ilinniartitaanerit aammalu Kalaallit Nunaanni Peqqissutsimik Ilisimatusarfik. Illutaq atortorissaaqisoq atulerneqarpoq 2017-ip naangilaattaani 2018-imilu atorluarneqarlualuni.

Aaqqissuusaaneq

Pinngortitaleriffiup siulersuisuisa Pinngortitaleriffiup suliassaminik inatsisitigut aalajangersarneqarsimasunik Aningaasanut Inatsisikkullu sinaakkusiunneqarsimasut iluini pitsaanerpaamik ingerlatsinissaa pingaarnertut akisussaaffigalugulu qularnaagassaraat. Siulersuisut suliassanik ingerlatsinermi siunnerfiusussat aalajangersartarpaat, suliassanillu ingerlatsinissaq pillugu ukiumoortumik pilersaarutit aningaasaqarnermilu missingersuutit akuersissutigisarlugit.

Pinngortitaleriffiup pisortaanerata Pinngortitaleriffiup ulluinnarni aqunneqarnera akisussaaffigaa Pinngortitaleriffillu avammut sinniisuuffigisarlugu. Pisortaanerup Pinngortitaleriffiup atugassarisaasut, siulersuisut aalajangersarsimasaasa iluini, pitsaanerpaamik ingerlanissaa qularnaagassaraa.

Pinngortitaleriffik aaqqissuusaavoq Aalisakkanut Qaleralinnullu immikkoortortaqqarfeqarluni, Miluumasunut Timmissanullu immikkoortortaqqarfeqarluni, Avatangiisinut Aatsitassanullu immikkoortortaqqarfeqarluni, allaffissornikkut ingerlatsiveqarluni attaveqatigiinnermullu allatseqarfeqarluni. Immikkoortortaqqarfiit tamarmik immikkoortortaqqarfimmi, pisortaanerup ataaniitumik, pisortaqartitersput. Attaveqatigiinnermut allatseqarfik allaffissornikkut ingerlatsiviuvoq toqqaannartumik pisortaanerup ataani inissisimalluni.

Suliassanut immikkoortortaqqarfiit saniatigut aamma Kalaallit Nunaanni Silap Pissusianik Ilisimatusarfik avataaniit aningaasaliisoqarneratigut 2009-mi pilersinneqarpoq.

Siulersuisut 2018-imi inuttalersugaanerat

- Siulersuisut siulittaasuat nakorsaqqarfimmi nakorsaaneq *Gert Mulvad* (Dronning Ingridip Peqqissaavia, Dronning Ingridip Napparsimavissua)
- Naalackersuisoqqarfimmi pisortaq *Mette Skarregaard Pedersen* (Pinngortitamut Avatangiisinullu Naalackersuisoqqarfik)
- Naalackersuisoqqarfimmi pisortaq *Jørgen Isak Olsen* (Aalisarnermut, Piniarnermullu Naalackersuisoqqarfik)
- Naalackersuisoqqarfimmi pisortaq *Lone Nukaaraq Møller* (Ilinniartitaanermut Ilisimatusarnermullu Naalackersuisoqqarfik)
- Siulittaasoq *Henrik Sandgreen* (KNAPK)
- Pisortaanerup *Brian Buus Pedersen* (Kalaallit Nunaanni Sulisitsisut)
- Savaatilik *Karl Kleist* (Savaatillit Suleqatigiissut Peqatigiiffiata SPS-ip siulersuisuini ilaasortaq)
- Seniorforsker *Rasmus B. Hedeholm* (Pinngortitaleriffimmi sulisut sinniisaat)
- Ilisimatusarnermi teknikeri *Jukka Wagnholt* (Pinngortitaleriffimmi sulisut sinniisaat)
- Pisortaanerup *Klaus Nygaard* (aalajangeeqataasinnaanani peqataasoq, Pinngortitaleriffik)
- Attaveqatigiinnermi pisortaq *Emma Kristensen* (aalajangeeqataasinnaanani peqataasoq, Pinngortitaleriffik).



*Qilalukkat qernertat qaammataasanut nassitsissutilersorneqartarnerat biologinit piniartunillu suleqatigiissutigeq-
qissaarneqartarput. Uani Ittoqqortoormiit eqqaanni qernertat utaaqqineqarlutik arajutsinaveersaarneqarput.*

Aningaasalersorneqarnera

Pinngortitaleriffiup suliassai inatsisitigut aalajangersarneqarsimasut Kalaallit Nunaanni Namminersorlutik Oqartussat tunngaviumik aningaasaliissutaasigut aningaasalersorneqartarput. 2018-imi 65 mio. kr-it aningaasaliissutigineqarput. Taakku saniatigut isertitsissutaasartumik ingerlatsisoqartarpoq illup tikeraanit najugaqarfusartup umiarsuillu ingerlannerisigut sullissinerniillu aki-
liutigineqartartunit.

Pinngortitaleriffimmut tunngaviumik aningaasaliissutaasartut illuutininik angallataatinillu ingerlatsinernut atorneqartarput.

Tunngaviumik aningaasaliissutit saniatigut Pinngortitaleriffik aamma avataaniit ukiumoortumik misissuisarnernut ilisimatusartarnernullu atorneqartussanik aningaasaliiffigineqartarpoq, suliniutit ilaat ukiuni arlalinni ingerlasussaasarlutik. Avataaniit aningaasaliissutit 2018-imi 63,0 mio. kr-iusimapput suliniutinut 104-nut atorneqartussat (qupperneq 16).

2018-imut Pinngortitaleriffimmut aningaasaliissutit tamarmiusut imaapput:

Aningaasanut inatsisitigoortumik aningaasaliissutit	65,0 mio. kr.
Avataaniit aningaasaliissutit	63,0 mio. kr.
Katillugit	128,0 mio. Kr.



Una timmiap niua nalunaaqutserneqarsimasoq. Nalunaaqutsiusaaq nalinginnaasuuvoq, tassani takuneqarsinnaavoq timmiaq qanga sumilu nalunaaqutserneqarsimansoq. Nalunaaquttap qulaaniittoq aappaluartoq timmiaq timmiaqataanit immikkoortikkuminarsarniarlugu ikkunneqarsimavoq.

Immikkoortorta qarfiit suliaat

Miluumasunut timmissanullu immikkoortorta qarfik

Miluumasunut Timmissanullu Immikkoortorta qarfiup immami miluumasut, nunami miluumasut, timmissat naasoqassuserlu pillugit ilisimatuussut-sikkut siunnersuisarnerit akisussaaffigai. Nuup Kangerluani timmissanik imarmiunik arferniillu misissuisarnerit kingunerisaannik suliaasanut silap pissusianik malinnaaffiginninnermut attuumassutilinnut immikkoortorta qarfimmeersut suleqataasarpur.

Immikkoortorta qarfimmeersunit suliarineqartartut ilarpasui avataaniit aningaasaliiffigineqarnikkut ingerlanneqartartur.

Uumasunik piniarneqarsinnaasunik misissuisarnerit

Immikkoortorta qarfiup uumasut inuiaqatigiinnut pingaarutillit samminerusarpai. Tamakku paarlaakaajaallugit misissuiffigineqartartur, taamaalilluni uumasooqatigiiaanik assigiinngitsunik kisitsisarnerit ukiut tamaasa pisarlutik. Malinnaaffiginninniarluni misissuisarnerit ingerlatseqattaarnerit Pinngorttaleriffimmeersut uumasut piniarneqar-

sinnaasut pillugit siunnersuisarneranni tungaviusarpur.

Sumiiffimmi ilisimasat suleqatigiinnerlu

Immikkoortorta qarfimmi atorfillit sumiiffinni piniar-tunik piniarnermillu nakkutilliisunik misissuinernik ingerlataqarfigisaminni annertuumik suleqateqar-tarput.

Nunat tamat akornanni suleqatigiinneq

Immikkoortorta qarfik nunat tamat akornanni suleqatigiiffinnut attaveqatigiiffinnullu peqataavoq, immami miluumasut pillugit North Atlantic Marine Mammal Commission (NAMMCO), International Whaling Commission (IWC), CAFF/Circumpolar Seabird Working Group, CAFF/ Circumpolar Bio-diversity Monitoring Program, Circum Rangifer Monitoring and Assessment Network (CARMA), IUCN/Polar Bear Specialist Group, The Canada-Greenland Joint Commission for the Conservation and Management of Narwhale and Beluga aamma International Network for Terrestrial Research and Monitoring in the Arctic (INTERACT).

Immikkoortorta qarfiup avataaneersut suleqatigi-sartagai aamma makkuupput: DCE (Nationalt Cen-



FERNANDO UGARTE, PINNGORTITALERIFFIK

Teknikeri Mikkel Villum Jensen Aarhus Universitet-imeersoq qaammataasanut nassitsissut piareersaleruttorpaa, qalarnaarniarlugu qilalukkamut qernertamut ikkulluarneqarnissaa.

ter for Miljø og Energi, Danmark), Department of Fisheries and Oceans (DFO, Canada), Københavns Universitet, Naturhistorisk Museum (Norge), New York University (USA), St. Andrews University (Skotland), University of Washington (USA), Aarhus Universitet, University of Manitoba (Canada) aamma US Fish and Wildlife Services (USA).

Aalisakkanut qalerualinnullu immikkoortortaarfik

Aalisakkanut Qalerualinnullu Immikkoortortaarfiup kalaallit aalisakkanik qalerualinnullu pingaarnernik aalisarneranni: raajanik, qaleralinnik, saarullinnik, saattuanik, nipisanik, suluppaakkanik avaleraasartuunillu, ilisimatuussutsikkut siunnersuinerit suliarisarpai. Immikkoortortaarfullu tamakkua saniatigut aamma aalisakkat allat soorlu kapisillit annikinnerusumik sammisarpai.

Immikkoortortaarfimmi aalisakkanik ilisimatusartartut aalisarnermi paasissutissanik saqqummiussisarpup, Pinngortitaleriffimmeersullu namminneq

misissuisarnerminnit inernerit ilisimatuussutsikkut suliniaqatigiiffinnut, Northwest Atlantic Fisheries Organization (NAFO) aamma International Council for the Exploration of the Sea (ICES) ataanni saqqummiussortarpaat. Paasissutissat nunat ilaasortasut aallartitaannit nalilersorneqarlutillu isummorsorfigineqartarput, aammalu NAFO ICES-ilu siunnersuinerit suliaqartarput, tamakkulu Pinngortitaleriffiup Kalaallit Nunaanni Namminersorlutik Oqartussanut ingerlatittarpai.

Aalisagaqassutsimik misissuisarnerit

Immikkoortortaarfik Kalaallit Nunaanni aalisakkanik qaleruallillu pingaarnernit piujurtitsiniarnermik tunngaveqartumik iluaqutigineqarnissaat pillugit siunnersuinerit suliaqartarpoq, makku pineqarlutik: raajat, qalerallit, saarullit, saattuat, nipisat, suluppaakkat avaleraasartuullu. Tamakku saniatigut Immikkoortortaarfik aalisakkanik allanik annikinnerusumik sammisaqartarpoq, soorlu ass. kapisillit.



Kinguppaat angissusiat uuttortarneqaleruttoq. Kalallit Nunaata kitaata imartaani kinguppaqassuseq Pinngortitaleriffimmeersunit ukiut tamaasa misissuiffigineqartarpoq, misissuineriillu qaqitat tamavimmik allattorneqarlutik ilarpasui uuttortarneqartarput aamma.

Immikkoortorta qarfimi biologit aalisarnermit namminerlu misissuisarnerminnit paasissutissanik nunarsuarmi ilisimatuussutsikkut ataatsimiittanut saqqummiussisarput, ukununga: North Atlantic Fisheries Organization (NAFO) aamma International Council for the Exploration of the Sea (ICES). Paasissutissat ataatsimiittani taakkunani ilaasortaasunit nunanit tamalaaneersunit misissoqqissaarneqarlutik nalilersorneqartarput taavalu siunnersuinerit suliarineqartarput, kingornagullu Pinngortitaleriffimmiit Namminersorlutik Oqartusanut ingerlateqqinneqartarlutik.

Aalisakkanik pisuussutit malinnaaffigineqarnerat

Immikkoortorta qarfiup sulinerani qitiulluinnartut tassaapput umiarsuit Paamiut Sannalu atorlugit ukiumoortumik aalisakkanik raajanillu misissuisarnerit. Aalisarnermiit nalunaarsuutitigut paasisat saniatigut misissuinerit tamakku aamma suliassanik aalajangersimasunik arlalinnik kinguneqartarput, ilaatigut umiarsuit pisanik allattuiffiinit allattuisarnermik, misissuinessanik pilersaarusiortarnermik ingerlatsisarnermillu, aalisakkanik nalunaqutsersuisarnermik, siunnaat misissuiffigineqartarneri tamatumalu kingunerisaanik aalisakkat utoqqaassusiannik paasisaqartarnermik aalisaga-

qatigiiaallu katitigaanerannik misissuisarnerit. Immikkoortorta qarfimi ilisimatusartartut aalisarnikut soqutigisaqaqatigiiffiit suleqatigiissitaliaanni, suliffissuarnik aamma suleqateqartarput, kiisalu Naalakkersuisoqarfinneersut aalisakkat qaleralillu tunisassiarineqartartut pillugit aqutsinikkut pilersaarusoqatigisarlugit.

Sumiiffinni ilisimasat suleqatigiinnerlu

Aalisakkanik ilisimatusartartut, sulisut suliniutinillu ataqatigiissaarisartut sumiiffinni aalisartut, aalisarnermik nakkutilliisut, aalisarnermik piniarnermillu nakkutiginnittut soqutigisaqaqatigiiffiillu periarfissaqartillugu ataatsimeeqatigisarpaat, soqutigisaqaqatigiiffiillu apeqqutit aalisarnermut attuumassutillit pillugit isumattorsaqatigiissitsisarnerinut peqataasarlutik. Ataatsimiittarnerit tamakku Pinngortitaleriffimmeersut ilisimasanik pingaarutilinnik pissarsivigisarpaat taamalu misissueriaatsit, angusat, siunnersuutit apeqqutillu aalisakkanut tunngasut saqqummiunniissaannut oqallisigitinnissaannullu periarfissarsisarlutik.

Avatangiisinut aatsitassanullu immikkoortorta qarfik

Aatsitassanut Avatangiisinullu Immikkoortorta qarfiup Danmarkimi Avatangiisinut Nukissiornermullu

Ilisimasaqarfik, DCE, peqatigalugu Kalaallit Nunaata nunataanut tunngatillugu pinngortitap avatangiisillu iluaqutigineqarnissaat mianerineqarnissaallu pillugit ilisimatusarnermik tunngavilimmik Kalaallit Nunaanni Namminersorlutik Oqartussanut siunnersuisarnissaq akisussaaffigaat.

Namminersorlutik Oqartussanut isumaqatigiissut tunngavigalugu Pinngortitaleriffik aatsitassarsiornermut attuumassutilinni siunnersuinikkut suliasanik sapinngisamik tamakkiisumik suliaqarsinnaalernissi anguniarlugu ukiuni aggersuni piginnaasanik pisariaqartunik annertusaaniarpoq. Taamaattumik suliassat tassaanerupput aatsitassarsiorfiutileqatigiiffiit suliniutigisaminnut atatilugu avatangiisit sunnerneqarnerannik nalilersuisarnerinik (VVM), aatsitassarsiorfiutileqatigiiffiit sanaartugaannik, angallassinermut assigisaannullu tunngassuteqartunik uppersaasiorlutik allaaserisaannik nalilersuinerit kiisalu nunami piaaffiit avatangiisinut sunniutigisinnaasaannik ilisimatusarnerit aamma ingerlanneqartarput. Tamakku saniatigut immikkoortortaqaqarfup aamma silap pissusiata allanngoriartornerata nunamut imermullu sunniutaanik misissuisarpoq.

Paasissutissat ingerlaavartumik misissuisarnertigut katersukkat amerlanertigut Nationalt Center for Miljø og Energi, DCE, Aarhus Universitetimiittullu suleqatigalugit suliarineqartarlutillu nalilersuiffineqartarput. Taamatullu aamma amerlanertigut DCE suleqatigalugu peqatigalugulu Namminersorlutik Oqartussanik siunnersuisoqartarpoq.

Misissuisarnerit paasissutissanillu katersuisarnerit

Immikkoortortaqaqarfup suliassai aatsitassarsior-nissamik pilersaarutit aatsitassarsiornerilluunniit sukkuulluunniit ingerlanniarneqartut ingerlanneqartulluunniit tunngavigalugit ingerlanneqartarput. Taamaattorli misissuisarnerit silap pissusiata allanngoriartorneranut attuumassutilit immikkoortortaqaqarfup suliaasa aaliajangersimasut ila-gaat. Ukiumi qaangiuttumi nunatsinni nunaleriner-mik inuussutissarsiuteqarneq sammineqarpoq, suliniutillu tassunga attuumassuteqartut aallartin-neqarsimapput.

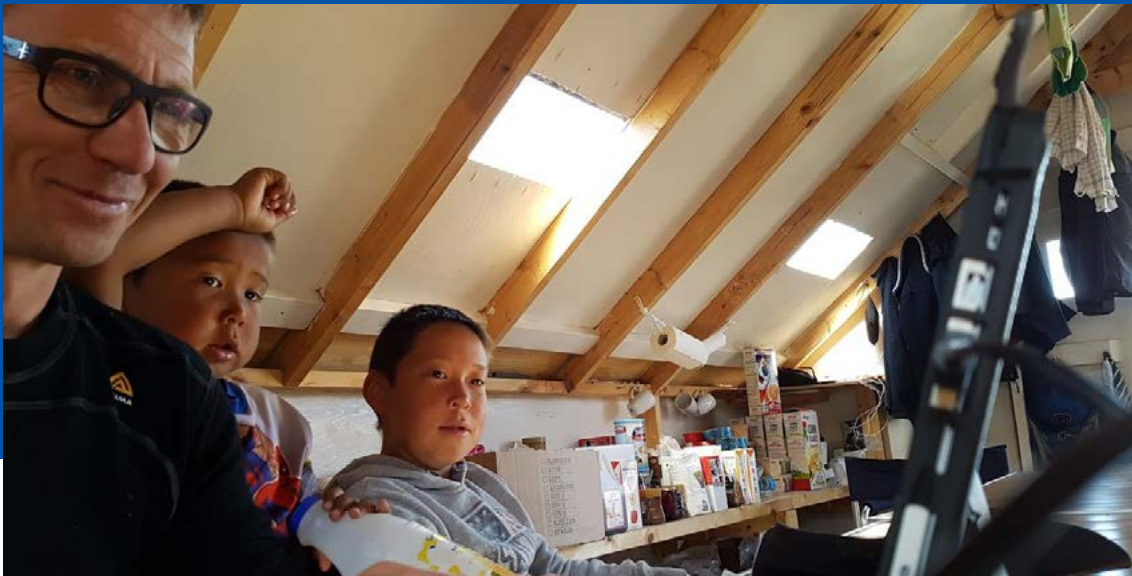
Sumiiffimmi ilisimasat suleqatigiinnerlu

Immikkoortortaqaqarfimmi sulisut periarfissaqaria-raangamik sumiiffimmi soqutigisaqartunik naapit-sisarput, soqutigisaqatigiiffiillu ajornartorsiutit aatsitassarsiornermut attuumassutilit pillugit ataatsimiititsisarnernut peqataasarlutik.

Nunat tamalaat suleqatigiittanerat

Suliassat immikkoortortaqaqarfup sammisai pillugit immikkoortortaqaqarfimmi ilisimatusartartut nunani tamani ilisimatusartartut suleqatigiiffiini ataatsi-miinnerni peqataasarput. Tamakku tassaasinnaap-put immap naqqanik sajuppillatsitsisarluni misissuisarnernut, aatsitassarsiornermi mingut-sitsisarnernut aammalu silap pissusiata allanngori-artorneranut tunngassuteqartuni suleqatigiinnerit.

Kalaallit Nunaat nunat tamat akornanni isumaqa-tigiissutit tunngavigalugit killeqarfiit akimorlugit mingutsitsisarnerit pillugit paasissutissiisarnissa-



Ilisimatusartartuq Carsten Egevang Ittoqqortoormiini piniartut ilaasa meeraat bioligut suleriaasiannik oqaluttuarfigerujoorpai – nuannerpaseqaaq.

mik pissusaaffeqarpoq. Pinngortitaleriffimmeersut aamma mingutsitsinerit taamaattut ajoqusiineru-sinnaaneriniq millisaaniarluni suleqatigiinnerni peqataarusupput.

Kalaallit Nunaanni Silap Pissusianik Ilisimatusarfik

Kalaallit Nunaanni Silap Pissusianik Ilisimatusarfik (GCRC) silap pissusiata allanngoriartornerata imaanut, imermut, nunami kalaallinullu inuiaqatigiinnut sunniutigisinnaasaanik ilisimatusarnernik suliaqarpoq. Ilisimatusarfik avataniit aningaasalersorneqarpoq, sulisoralugillu ilisimatusartartut ilisimatusariaatsinit marlunnit assigiinngitsuneersut: inuiaqatigiilerinermik ilisimatusarnerneersut (Silap pissusia inuiaqatigiillu) aamma pinngortitaleriner-mik ilisimatusarnerneersut. Taakku imminnut qanittumik suleqatigiipput silap pissusiata allanngoriartornerata Kalaallit Nunaannut sunniutai up-pernarsaasersorniarlugit, ilisimatuutullu misissue-riaatsimik nunat tamat akornanni akuerisaasumik aammalu kalaallinut inuiaqatigiinnut sapinngisa-mik atorsinnaassuseqartunik attuumassuteqartu-nillu suliaqarniartuupput.

Ilisimatusarneq misissuisarnerillu

Kalaallit Nunaanni Silap Pissusianik Ilisimatusarfik (GCRC) silap pissusiata allanngoriartornerata kiisalu inuit ingerlataasa soorlu aatsitassarsiornerup, umiar-suarnik ingerlaartoqarnerulernerata aammalumi piniarnerup aalisarnerullu Kalaallit Nunaanni immap

uumasoqassusianut naasoqassusianullu sunniutaan-nik sammisaqartuuvuq. GCRC-p aamma immap si-kuani pissutsit kiisalu immap sikuata aamma silaan-naap/immap imminnut sunniivigeqatigiittarnerinik sammisaqarpoq. Immikkoortortaqarfik aamma malinnaaffiginninniarluni ingerlatamik Greenland Ecosystem Monitoring (GEM), sumiiffinni marlunni, Kalaallit Nunaata kujataata kitaani Tunullu avannaani (MarinBasis-Nuuk aamma MarinBasis-Zackenber) uumassuseqassutsip ataqatigiinneranik tamarmiu-sumik (silaannaq, imeq imarlu) misissuisarnernik uti-kattumik suliaqartarpoq; GCRC-lu aamma immami uumassuseqassutsip ataqatigiinneranik malinnaaffi-ginninnermi siulersortaavoq.

Immikkoortortaqarfik paasissutissanik katersuisar-poq tamakkulu ilaatigut nunarsuarmi silap pissusia pillugu paasissutissanik katersuiffinnut nassiteqqit-tarlugit. Immikkoortortaqarfillu tamakku saniatigut aamma ilisimatuutut misissueqqinnissanut pilersaa-rutinik nutaanik pilersaarusiortuarlunilu ingerlatsiu-artarpoq.

GCRC nunani assigiinngitsuni suleqatigiissitanik sule-qateqarpoq silallu pissusiata allanngoriartornerata, pinngortitap ingerlaasianik malittarinninneq inuillu iliuserisaasa sunniutaat pillugit Naalakkersuisunik siunnersuisarluni.

Sumiiffimmi ilisimasat suleqatigiinnerlu

GCRC sumiiffimmi ilisimasanik, silap pissusiata allanngoriartornerata kalaallinut inuiaqatigiinnut



Pinngortitaleriffik 2018-imi.

sunniutai pillugit ilisimatusarnermut pingaarutilinik katersuisuuvoq. Ilanngullugu piniartut suleqatigisarpagut imaani miluumasut pissusilersuutaanik siaruarsimanerinillu paasisaqarniarnitsinni.

Nunani tamani suleqatigiinneq

GCRC nunani tamani attavippassuaqarpoq ilaatigullu Arctic Science Partnership, Danish Center for Environment and Energy (DCE), Hafrannsóknastofnum aamma Ilisimatusarfik suleqatigiinnissamik isumaqatigiissuteqarfigisimallugit. Attaveqarfigisat tamakku aamma suleqataallutillu ilisimasarpassuarnik, kalaallinut inuiaqatigiinnut nunarsuarmilu inuiaqatigiinnut pingaaruteqartunik pilersueqaataaput.

Attaveqatigiinnermut allatseqarfik

Attaveqatigiinnermut allatseqarfiup Pinngortitaleriffiup iluani avammullu paasisutissiisarnarit attaveqatigiinnermullu tunngassutillit suliassarai, Pinngortitaleriffiullu nittartagaa www.natur.gl akisussaaffigalugu isumagisaralugu.

Allatseqarfiup ilaatigut ILISIMASAT aamma SAMMISAQ nittartakkami saqqummiunneqartartut suliarisarpai, taakkunuunatigut innuttaasut Pinngortitaleriffiullu nittartagaani atuisartut allat sammisat pingaarutillit itinerusumilluunniit paasiniaaffigerusunneqarsinnaasut pillugit pilerortumik paasisassarsiornissaminut periarfissaqartarput.

Allatseqarfiup suliassai nalinginaasumik suliassanik suliaqarfinni pingasuni Silallu Pissusianik Ilisimatusarfimmi sulisut peqatigalugit suliarineqartarput. Inuiaqatigiinnut attaveqartar-neq attaveqarnissamut periarfissat nalinginnaasut soorlu aviisit, TV, radio, nittartakkat, quppersagaaqqat, nalunaarusiat saqqummersitsinerillu atorlugit pisarpoq. Allatseqarfik ukiumoortumik nalunaarusiortarpoq aqutsinikkullu suliassanik mikinerusunik suliaqartarluni Pinngortitaleriffimilu sulisut apeqqutitigut attaveqatigiinnermut tunngasutigut siunnersortarlugit.

Miluumasunut Timmissanullu Immikkoortortaqarfimmeersut Attaveqatigiinnermullu Allatseqarfimmeersoq appat pillugit apersuinerinik paasisutissiinerinillu suliaqarlutik Upernavimmut, Kullorsuarmut Nuussuarmullu 2018-imi angalaqatigiipput. Apersuinerit, innuttaasunut atuarfinnilu paasisutissiinerit ingerlanneqarput. Angalaqatigiit ajuusaarnaraluartumik silap ajorneranik peqquteqartumik Tasiusamut apuutinngitsoorput.

Kiisalu Attaveqatigiinnermut allatseqarfik aamma annertuumik iliuuseqartoqassatillugu peqataasarpoq, soorlu assersuutigalugu Unnuk Kultursiornermi, aqqissuussinerlu kingumut 2018-imi nuannaarutaalluni inuppassuarnit Nuummiunit ornigarneqarpoq.



Pinngortitaleriffiup misissuutaa ukiuni kingullerni 27-ni marts 2018-imi Pâmiut atorunnaarneqarpoq. Kilisaataasimasooq ukiuni 47-ni iluaqutaangaarnikuulluni aserfallappallaarujussuarmat atorunnaarneqarpoq. Pinngortitaleriffilli umiarsuarmik misissuutissamik nutaamik pisinissamut 2018-ip ingerlanerani iluatsittumik aningaasassarsiorluarami umiarsuaq misissuutissaq nutaaq 2020-imi piareerneqarnissaa naatsorsuutigineqarpoq.

Illutat atortuutilu

Pinngortitaleriffik kangerlummut sermimullu qanittumiippoq atortorissaartunik misissuisarfeqarluni, sukkasuulianik umiatsiaateqarluni aammalu nunami imaaanilu sulinermik misilittagaqarlunartunik sulisoqarluni. Pinngortitaleriffik nunarsuarmi suminggaanneersunilluunniit ilisimatusartartunik, nalinginnaasumillu issittumi pingaartumik imaani avatangiisinut tunngasumik misissuiniaraanni, aallaavissaqqissutut isigineqartarluni.

Pinngortitaleriffiup illutaasa atortorissaarutaasalu amerlanersaat Aage V Jensens Fondemut aningaasaliiffigineqarsimapput. Tunissutit Pinngortitaleriffiup ineriartorneranut annertusarneranullu tunngaviusimapput.

Illutat

Illutaasa pingaarnersaat 1998-imi sananeqarpoq, anneksilu 2000-mi sananeqarluni. Illut taakku marluk Aage V. Jensens Fondemut taamanikkut Kalaallit Nunaanni Namminersornerullutik Oqartussanut tunissutigineqarput. Illutat pingaarnersaanniippat allaffiit, misissuiffiit, toqqorsivik, sannavik, atua-gateqarfik, nerisarfik inillu ataatsimiittarfiit.

Anneksimiippat tikeraat inaat, tikeraanut inissiat, biiliisivik inilu ilinniartitsinermut, suleqatigiinnermut assigisaannullu atorneqarsinnaasoq. Ilisimatusariartortut suliarortut suliffeqarfinnilu attuumassuteqarsinnaasunik atorfillit ininik allaffinnillu sivikinnerusumik sivilunerusumilluunniit atugassaminnik attartorsinnaapput.

Illasutaa januar 2011-mi atoqqaartinneqartoq inuit 25-t suliffigisinnaasaannik allaffeqarfeqarpoq, misissuisarfeqarluni, toqqorsivittaqarluni, cykelisiveqarluni kujammullu isikkivilimmik nerisarfittaqarluni. Illasutaa Pinngortitaleriffiup uiguutigaa illutallu pingaarnersaattut isikkoqarluni, taamatorpiarlu sananeqarluni pitsaassuseqarlunilu. 2017-imi Pinngortitaleriffiup illutai pilersaarutit malillugit illumik nutaamik ilaneqarput, tassaniipput Kalaallit Nunaanni Pinngortitamik Ilisimatusarnermik Ilinniarfissaq siulleq Kalaallit Nunaannilu Peqqissaanermik Ilisimatusarfik. Illutartaaq taanna Pinngortitaleriffimmit Ilimmarfimmillu ilinniartunit ataatsimoortarfiussaaq aammalu ataatsimoorullugu tamatigoortumillu ilisimatusarnernut ilinniartitsinernullu tunngaviusalluni.

Illutat pitsaasut periarfissallu ataqatigiissaarneqar-sinnaasut ineriartornermut annertusaanermullu pingaaruteqarluinnarput. Tamakku atugassiissuti-nik pitsaasunik, Pinngortitaleriffiup suliasaqarfiisa amerliartornerannut nunanillu allaniit aningaasa-liiomasoqartarnerannut, ilisimasaqarluartunillu ornigineqartarnerannut attaveqarfiillu amerliartor-tuarnerannut peqquataasupilussuupput.

Pinngortitaleriffik aallarteqqaarnerminiilli kaavii-aartitaqarneruleriartortuarsimallunilu angusaqar-neruleriartortuarsimavoq, ilaatigut makkunuuna-tigut:

- Kalaallit Nunaanni Silap Pissusianik Ilisimatu-sarfimmik pilersitsineq
- Silap pissusianik malinnaaffiginninniarluni misissuisarnernik NuukBasic-imik taagorne-qartumik pilersitsineq
- Malinnaaffiginninniarluni misissuisarnernik ingerlatanik Nuummiittumik Zakenberg-imiit-tumillu Greenland Ecosystem Monitoring Programme-mik taaguuserlugit ataatsimoor-titsineq
- Canada Excellence Research Chair aamma su-leqatigiinnissamik University of Manitobamik isumaqatigiissut
- Centers of Excellence "Det nordiske Topforsikringsinitiativ-ip ataaniittoq
- EU-mi suliniut INTERACT.

Asimi misissuisarfitt

Asimi misissuisarfik Uummannap eqqaani nuna-qarfimmi Niaqornaniittoq illuuvoq type Illorput 82 iluarsaanneqarsimasoq. Taanna 2007-imi ammar-neqarpoq najugaqarfigiitigalugulu avatangiisinik misissuisarfiulluni. Pinngortitaleriffiup neriuutigaa asimi misissuisarfik taanna piniartut ilisimatusar-tartullu suleqatigiittarnerannut ineriartuutaassa-soq iluaqutaallunilu ilisimatusartartut piniartullu atugaasa paaseqatigiissutigineqarnerunissaannut iluaqutaajumaartoq.

Asimi misissuisarfik Kangerluarsunnguami, Nuum-miit 20 km-it missiliorlugit kujasinnerusumiit-toq, september 2010-mi Niels Skov-imit Aage V. Jensens Fonde-meersumit atoqqaartinneqarpoq. Aningaasaateqarfiit taakku aamma angallat Aage V. Jensen II aningaasaliiffigisimavaat, taannalu Nuup Kangerluarsunnguullu akornanni angallatit atorneqartarpoq. Misissuisoqarfimmi illut mar-luupput taakkulu ilaatigut NuukBasic-ip malinnaaf-figinninniarluni misissuisarnernik ingerlatsinerani atorneqartarput. Illu angineq 55 m²-it missiliorlu-git angissusilik misissuisarfittut, toqqorsivittut aammalu igaffeqarlunilu sisamanik siniffeqarluni isersimaartarfittut aqqissuussaavoq.

Umiarsuit umiatsiaaqqallu

Pinngortitaleriffik anginerusunik marlunnik misisu-issutinik umiarsuaateqarpoq aammalu umiatsiaa-nik umiatsiaaqqanillu mikinerusunik arlalinnik imaani sulinermi atorneqartartunik peqarluni.

R/V Sanna (2012-imi ator neqalersoq, 456 GT) pingaartumik sinerissap qanittuani qaleralinnik, saattuanik saarullinnillu silap pissusiatalu allanngoriartorneranut atatillugu misissugassanik kater-suiner mi ator neqartarpoq. Umiarsuaq qaluaqqanut amooruteqarpoq, A-frame-nik ilisimatusarluni misissuiner mi ator tuutinik angisuunik passussiner mi ator neqartartumik assigiinngitsunillu arlalinnik sipileqarluni ator tuutinik mikinerusunik soorlu bongo-net-inik, saattuanut pullatinik, uuttortaatnik kivisittakkanik ningittakkanillu immamut kivisittakkanik annerusutigut ator neqartartunik peqarluni. Umiarsuaq marlunnik masattuleriffinnik misissuisarfeqarpoq, ataatsimik panertuleriffimmik misissuisarfeqarluni, qerititsiveqarluni kemikaliaasiveqarlunilu. Tamakku saniatigut umiarsuaq aamma umiarsuup qaavani allanngortinneqarsinnaasumik sulisarfeqarpoq, sulil arlaqarnerusunik toqqorsivilerneqarsinnaasumik.

R/V Pamiut (1971-imi sananeqarsimasoq, 1084 GT) pingaartumik sinerissap avataani raajanik, qaleralinnik, saarullunnik aalisakkanillu itisoormiunik misissuiner mi ator neqartarpoq. Umiarsuaq kilisaataavoq masattuleriffimmik panertuleriffimillu misissuivffittalik aammalu hydrauliskiusunika aallanillu tekniskiusunika misileraaner ni passussinernilu assigiinngitsuni ator neqartartunik ator tuuteqarluni.

Pingortitaleriffiup umiatsiaatai mikinerusut arlalilit pingaartumik imaani misissuiner ni assartuiner nilu ator neqartarput:

- *Avataq*: Umiatsiaq Somi glasfiberi 9 mterimik takissusilik, motorilik annertujaamillu suliffiuisinnaasumik natilik.
- *Erisaalik*: Immikkut sanaaq "cabin cruiser", Nuup eqqaani asimi misissuiner mi ator neqartarpoq.
- *Niisi*: Umiatsiaq Buster angallatitaa aluminiunmik sanaaq aquateralattalik.
- *Aage V. Jensen I*: Daneborgimi Tunup avannaaniittumi sulilluni angallat.
- *Aage V. Jensen II*: Immikkut sanaaq sukkaasulliaq Nuummi assartuutitut sullississutitullu ator neqartarpoq.
- Umiatsiaat marluk "buster"-inik taaneqartartut pingaartumik arfileriner mi ator neqartartut: Tunnulik Qeqertarsuarmi, Siuttoq Nuummi.
- Qaatsiartaatit "skippy boats"-inik taaneqartartut marluk (Daneborgimi sikumi suliner mi ator neqartartut).

Illu angallataasivik quersuarlu

Pingortitaleriffik Nuummi Kangerlukasimmi Avannarlermi illumik angallataasiviullunilu quersuaateqarpoq Aage V Jensens Fondemik aningaasaliiffiqineqarnikuusumik. Namminersorlutik Oqartussat Kommuneqarfik Sermersoorlu suleqatigalugit aamma quersuup angallataasiviup sioraani umiatsiaaqqanut amuisarfiliortoqarsimavoq angallateeraatilinnit kikkunniilluunniit ator neqarsinnaasumik.

Suliniutit avataaniit aningaasalersukkat

Arctic Research Centre

ASP	320.000
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Centre for Earth Observation Systems

ASP	213.000
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DCE (Avatangiisinut Aqutsisoqarfik, DK)

CBMP-start	129.000
Rødliste	195.000
CBMP	257.000
AACA	143.000

DCE (Aatsitassanut suliassaqarfinnut Avatangiisinut Aqutsisoqarfik)

Tunup avannaarsuani sunniutininik misissuinerit	2.963.000
SEIA Disko	255.000

Ilinniartitaanermut Ilisimatusarnermullu Naalakkersuisoqarfik

Aqutsinermi isiginiagassat	30.000
Ph.d.-nngorniut, tuttu pillugit	26.000
Qipoqqaat immikkoortinniarnarat	50.000
Naatsorsueriaatsinik suliniut	7.000
Ukiup kaajallakkiartornerani akuutissat nikerartarnerat	1.000
PCO2	17.000
Illeqqat mikisut	56.000
Nunatta kitaata imartaani sarfaq	12.000
Uumassuillit ataqatigiiffinik misissuinerit	25.000
Nuuk Kangerluata misissoqqissaarneqarnera	25.000
Suliffeqarfinit tapersiissutit	4.976.000
Piingortitaq pillugu ilisimatuussutsikkut ilinniartitaanerit	3.866.000

Assigiingitsut

GIS-imit pissarsiaasartut	58.000
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DTU-Aqua

Ph.d.-nngorniut aamassannut tunngasoq	311.000
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EU

INTERACT II	154.000
BUSK	296.000
ICE-Arc	521.000
Polarnet	21.000

Eurofleet

Imarpissualerineq	309.000
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Forsknings og Innovationsstyrelsen

Ph.d. -nngorniut appat pillugit	122.000
Post doc arfvinnut tunngasoq	179.000
Post doc Lorenz Meire	8.000
Ph.d. -nngorniut Nuup Kangeluanut tunngasoq	1.000
Post doc Dorte Søgaard	4.000
Silap Pissusianik Ilisimatusarfik	5.225.000
Suliffeqarfinit tapersiissutit	7.860.000

Nunatsinni Ilisimatusarnermik Siunnersuisoqatigiit

Uumasut ingerlaartarnerinik naatsorsueriaatsit	160.000
Sarullit ingerlaartarnerinik naatsorsuusiortarnerit	75.000
Kapisillit kapisiliat	48.000
Ph.d -nngorniut saarullernanut tunngasoq	18.000
Pinngoqqaatinik misissueqqissaarnerit	1.000
Ph.d. -nngorniut naatsorsueriaatsinut tunngasoq	69.000
What's in the fridge = nillartaartitsinik sunik imaqarpa?	14.000
Kaattungissat piaraat	34.000
Qipoqqaat dronillu	8.000
Disko Bugtip allanngoriartornera	150.000
Post doc	87.000
Silap pissusiata allanngornerata kinguneri	39.000

Kalaallit Nunaanni Silap Pissusianik Ilisimatusarfik

Qimusseriarsuarmi ilisimatusariaatsit assigiingitsut suleqatigiinnerat	280.000
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Kalaallit Nunaanni Avatangiisinut Aningaasaateqarfik

Kitsissunnguit	60.000
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Kalaallit Nunaanni Namminersortutik Oqartussat

Nutaamik umiarmik misissuutitaarnissap sananissaanut aningaasaliissutit	1.442.000
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Ilisimatusarfik

Inuiaqatigiit ilisimatusarfigineqanerat	901.000
Bachelorinngiartarnerup ineriartorteqqinnissaa	235.000
Post doc Aviaaja Hauptmann	121.000



FERNANDO UGARTE, PINNGORTITALERIFFIK

Kalaallit Nunaanni Ilisimatuussutsikkut Misissuisarnerit pillugit Ataatsimiititaliaq		SUMAC	12.000
Ph.d. -nngornuit niisanut tunngasoq	297.000	In situ PCO2	200.000
Københavns Universitet		Møreforskning	
Pikialasorsuarmi aaverik nalunaaqtsersuineq	300.000	CLIMA	51.000
Aatsitassanut suliassaqarfinnut Avatangiisinut Aqutsisoqarfik (ASAA)		New York University	
Tunup avannaarsuata imartaani uumassuseqassuseq	331.000	Puisit imarpissuillu	62.000
Tunup avannaarsuani aataat	462.000	NMMF (USA)	
Tunup avannaarsuani natsiit	672.000	Vaquita	146.000
Tunup avannaarsuani nannut	2.895.000	Nunat Avannarliit Siunnersuisoqatigiiffianni ministerit Ataatsimiititaliaat	
Arfivinnik nalunaaqtsersuineq	37.000	Uumasooqatigiiaat assigiinngitsut pillugu isumattorsaqatigiinneq	83.000
Kalaallit Nunaata imartaanik misissuinerit	1.347.000	Nordregio	
Tunup avannaarsuata imartaanik misissuinerit	233.000	BioGeoZones	336.000
Avatangiisilerinermi piginnaanngorsarnerit	4.483.000	Norsk Polarcenter	
Uranisiornerit kingunerisinnaasaat	275.000	Grønlandshavemi arferit nalunaaqtsersorneqarnerat	184.000
Gultisiorfikup Nalunap malinnaaffigineqarnera	25.000	Office of Naval Research (USA)	
LNSGG	185.000	Imarpissuarni arferit	583.000
Aatsitassarsiornermi mingutsitsinerit siaruaattarnerat	317.000	OMG qilalukkat qernertat	280.000
Sinerissap nalunaarsuiffigineqarnera	362.000	Tips og lottemidler	
Avatangiisinik nakkutiginninnermi dronersorneq	32.000	Immap naqqani uumassuseqassutsip nalunaarsorneqarnera	75.000
Uuliaarluernerit	55.000	USA	
Imarpissuarnik misissuineri atortussat	1.337.000	Arfivinnut tunngatillugu immap iluani nipinik immiussinerit	72.000
Uuliakoortoqartillugu sinerissami sumiiffiit mianerisariallit nalunaarsorsimaneqarnerat	86.000	Aage V. Jensens Fonde	
Hudson'ikkut aatsitassarsiuleraluarpata alaatsinaanneqarnissaat	24.000	Kangerluarsunnguami misissuisarfik	170.000
PAM Tunup avannaarsua	1.765.000	Multibeam sonar	1.247.000
Tunup avannaarsuani sikumi uumassusillit	164.000	Misissuisarfinni atortut	1.983.000
Avatangiisinut Nukissiuuteqarnermullu Aqutsisoqarfik, DK		Ph.d. -nngorniut puisinut tunngasoq	79.000
Nuuk Basis atortutigut ataqatigiissaarineq	637.000	Kalaallit Nunaata naasoqassusia	195.000
Biobasis	858.000	MapHab	369.000
Tunup avannaarsuani nannut	496.000	Illutaq nutaaq	41.000
Nannut kisinneqarnerat	1.441.000	Aarhus Universitet	
Miluumasunik kisisinerit	58.000	Piujartitsiniarnermik tunngaveqartumik qeqqussanik iluaquteqarneq	36.000
Mingutsitsinerup aarluarsunnut kinguneri	374.000		
Marin Basis Daneborg	2.031.000		
Marin Basis Nuuk	1.674.000		
MapHab pilotstudy	407.000		
Sermersuup aakkiartornera	730.000		
INAMON II	1.000		
		Katillugit	62.972.000

Sulisut

ATEQ	ATORFIK	SULILERFIK	SORAARPOQ
Adriana Nogueira Gassent	Ilisimatusartog	01.02.17	
Aili Lage Labansen	Ilisimatusartog	01.02.06	
Anja Retzel	Ilisimatusartog	15.04.07	
Anna Maria Roos	Ilisimatusartog	01.10.16	
AnnDorte Burmeister	Ilisimatusartog	01.05.96	
Aqqalu Rosing-Asvid	Qaffasinnerusumik atorfeqarluni ilisimatusartog	26.04.93	
Bolethe Skifte Egede	Ilisimatusarnermut teknikeri	08.12.14	
Camilla Wentzel	Ilisimatusartog	01.09.18	
Carl 'Bror' Isaksen	Siuliniutinik ataqatigiissaarisog	01.11.12	
Caroline Bouchard	Ilisimatusartog	01.01.07	
Christine Cuyler	Ilisimatusartog	01.10.96	
David James Blockley	Ilisimatusartog	01.08.18	
Diana Krawczyk	Ilisimatusartog	01.01.14	
Else Løvstrøm	Attaveqatigiinnermut pisortaq	01.09.18	
Else Ostermann	Misissuisarfinnik suliniutinillu ataqatigiissaarisog	15.01.17	
Emma Kristensen	Attaveqatigiinnermut siunnersorti	01.07.12	
Fernando Ugarte	Miluumasunut Timmissanullu Immikkoortortaqarfimmi pisortaq	01.08.07	
Flemming Heinrich	Angallammi aquttuusartog	05.03.08	
Helle Siegstad	Aalisakkanut Qalerualinnullu Immikkoortortaqarfimmi pisortaq	01.01.92	
Helle Torp Christensen	Ilisimatusartog	01.02.16	
Henrik Lund	Ilisimatusartog	01.12.08	
Henrik Philipsen	Sanaartugassanik atortuutinillu atuinerni ataqatigiissaarisog	15.05.08	
Ida Dyrholm Jacobsen	Ilisimatusartog	01.11.16	
John Mortensen	Qaffasinnerusumik atorfeqarluni ilisimatusartog	15.03.07	
Josephine Nymand	Aatsitassanut Avatangiisinullu Immikkoortortaqarfimmi pisortaq	01.06.07	
Jukka Wagnholt	Ilisimatusarnerni teknikeri	01.08.17	
Julius Nielsen	Ilisimatusartog	01.10.18	
Jørgen Sethsen	Siuliniutinik ataqatigiissaarisog	01.04.12	
Karl Brix Zinglersen	GIS'ilerisog	01.08.13	
Karl Henning Jakobsen	Pedeli	01.05.17	
Karl Kasper Olsen	Siunnersorti	01.10.17	14.11.18
Kathrine Lund Olsen	Allaffissornermi pisortaq	01.09.08	
Katrine Raundrup	Ilisimatusartog	15.05.09	
Klaus Høyer Nygaard	Pisortaaneq	01.05.84	
Lars Heilmann	Siuliniutinik ataqatigiissaarisog	01.08.95	
Lars Witting	SeniorIlisimatusartog	01.02.98	
Lene Holm Kleist	Siunnersorti	01.11.08	
Lene Kielsen Holm	Ilisimatusartog	01.02.12	
Lorenz Meire	Post.Doc	31.12.18	
Louise Mølgård Abelsen	Laboranti/Ilisimatusarnerni ataqatigiissaarisog	01.07.10	
Magdaline Abelsen Lange	Siunnersorti	01.12.17	
Manh Cuong Ngo	Ph.d. -nngorniartog	01.11.18	
Maia Elena Olsen	Ilisimatusartog	01.02.12	



FERNANDO UGARTE, PINNGORTITALERIFFIK

ATEQ	ATORFIK	SULILERFIK	SORAARPOQ
Malene Juul Simon	Silap Pissusianik Ilisimatusarfimmi pisortaq	01.12.10	
Marie Louise Siegstad	Kantiinami aqutsisoq	01.04.18	
Martin Emil Blicher	Qaffasinnerusumik atorfeqarluni ilisimatusartog	01.01.07	
Mie Sichlau Winding	Ilisimatusartog	11.07.16	
Morten Birch Larsen	Ilisimatusartog	01.06.14	
Naja Christensen	Siunnersorti	01.10.09	
Nanette Hammeken Arboe	Ilisimatusartog	01.06.08	
Ole R. Geertz-Hansen	Qaffasinnerusumik atorfeqarluni ilisimatusartog	01.06.12	
Peter Hegelund	Siuliniutinik ataqtigiissaarisog	01.07.11	
Rasmus Berg Hedeholm	SeniorIlisimatusartog	01.08.10	
Rasmus Nygaard	Ilisimatusartog	01.02.08	
Signe Jeremiassen	Ilisimatusarnerni ataqtigiissaarisog	15.07.09	
Sofie Ruth Jeremiassen	Siuliniutinik ataqtigiissaarisog	01.06.04	
Søren Lorenzen Post	Suliniummik aaliangersimasumik ilisimatusartog	15.05.13	
Tenna Kragh Boye	Ilisimatusartog	01.05.10	
Thomas Juul-Pedersen	Ilisimatusartog	01.11.07	
Yu Jia	Ilisimatusartog	01.05.14	

DANMARKIMI ATORFEQARTITAT:

Dorte Schrøder Søgaaard	Ilisimatusartog	01.10.16	
Eva Garde	Ilisimatusartog	01.12.16	
Mads Peter Heide-Jørgensen	Ilisimatuussutsikkut professori	01.07.88	
Manh Cuong Ngo	Ilinniartut/nal. akunnermusiallit/ullup ilaannaa atorfeqartut	01.02.17	30.08.18
Mikkel H.S. Sinding	Ilisimatusarnermi ikiorti	01.09.17	31.10.18
Nynne Elmelund Lemming	Siuliniutinik ataqtigiissaarisog	23.05.11	
Outi Tervo	Post.Doc.	01.01.14	
Rasmus Stenbak Larsen	Siuliniutinik ataqtigiissaarisog	24.03.17	14.04.18
Rikke Guldborg Hansen	Siuliniutinik ataqtigiissaarisog	01.08.11	
Sascha Schiøtt	Ph.d.-nngorniartog	01.12.18	

DANMARKIMI PIFFISSAP ILAANNAA SULISORISAT

Carsten Egevang	Avataaniit siunnersorti		
Erik Wolder Born	Avataaniit siunnersorti		
Heidi Andreassen	Avataaniit siunnersorti		
Jon Munch-Petersen	Avataaniit siunnersorti		
Julius Nielsen	Avataaniit siunnersorti		30.09.18
Max Merkel	Studentervedhjælp		
Simone Videsen	Videnskabelig assistent		

NUNATTA AVATAANI SULISORISAT

Kristin Laidre	Qaffasinnerusumik atorfeqarluni ilisimatusartog		
Peter Schmidt Mikkelsen	Avataaniit siunnersorti		

ATEQ	ATORFIK	SULILERFIK	SORAARPOQ
DTU AQUA'MIK ISUMAQTIGIISSUTEQARNIKKUT ATORFEQARTUT			
Jesper Boje	Qaffasinnerusumik atorfeqarluni ilisimatusartog		
Ole A. Jørgensen	Qaffasinnerusumik atorfeqarluni ilisimatusartog		01.08.18
Teunis Jansen	Qaffasinnerusumik atorfeqarluni ilisimatusartog		
DCE'MIK SULEQTIGIISSUTEQARNIKKUT ATORFEQARTUT - INSTITUTE FOR BIOSCIENCE			
Flemming R. Merkel	Qaffasinnerusumik atorfeqarluni ilisimatusartog		
Frank Rigét	Qaffasinnerusumik atorfeqarluni ilisimatusartog		
ISUMAQTIGIISSUSIORNIKKUT ATORFEQARTITAT			
Carl Egede Bøggild	Ajungeret professor		
Ronnie N. Glud	Ajungeret professor		
Søren Ryesgaard	Ajungeret professor		
UMIARSUARMI MISISSUUMMI ATORFEQARTUT			
Birger Sivertsen	Naalagaq	01.05.06	
Bogi Sivertsen	Mistali siulleq	01.04.16	30.11.18
Jakup Mikkelsen	Aquttuuneq	01.07.16	
Kári Hansen	Maskinalerisut naalagaat	01.04.14	
UMIARSUARMI MISISSUUMMI ATORFEQARTUT			
Boas Augustussen	Matrosimit qaffasinnerulaartog	21.05.18	21.07.18
David Petersen	Aquttoq siulleq	22.05.18	20.07.18
Minik Johansen	Matrosi	23.05.18	14.07.18
Peter Mathiassen	Igasog	05.07.18	20.07.18
FASTANSAT SKIBSPERSONEL R/V SANNA			
Rink Heinrich	Naalagaq	15.06.09	
Nathan Josefsen	Maskinist	17.01.12	31.12.18
SANNA'MI ATORFILLIT R/V SANNA			
Else Rasmussen	Igasog afløser	16.07.18	07.10.18
Erneeraq Siegstad	Aquttoq siulleq	17.07.18	15.10.18
Hans Klaus Nielsen	Matrosi	16.03.18	19.10.18
Hendrik Falksen	Matrosi	16.05.18	15.10.18
Klaus Nielsen	Matrosi	01.10.18	19.10.18
Kristian Poulsen	Matrosi	02.08.18	23.08.18
Louise Nielsen	Igasog afløser	05.10.18	15.10.18
Naja Jonathansen	Igasog	11.04.18	30.08.18
Niels Nielsen	1. Styrmand	01.05.18	15.10.18
Ole Løvstrøm	Matrosi	10.04.18	10.09.18
Peter Tønnes Hard	Qaffasinnerulaarluni matrosi	2.-01.18	19.10.18



FERNANDO UGARTE, PINNGORTITALERIFFIK

ATEQ ATORFIK SULILERFIK SORAARPOQ

ILAANNAKORTUMIK ATORFEQARTOQ ILINNIARTULLU IKIORTIT

Pinngortitaleriffimmi:

Ane-Julia Dalager	Nalunaaquttap akunnermusiaqarluni iggaffimmi ikiorti
David Wogelius	Nalunaaquttap akunnermusiaqarluni iggaffimmi ikiorti
Ejvind Jensen	Nalunaaquttap akunnermusiaqarluni pedeli
Frank Farsø Riget	Ilaannakortumik atorfeqartoq
Heide Holm	Nalunaaquttap akunnermusiaqarluni iggaffimmi ikiorti
Helga Lindberg	Nalunaaquttap akunnermusiaqarluni iggaffimmi ikiorti
Jensine Lerch	Nalunaaquttap akunnermusiaqarluni iggaffimmi ikiorti
Joanna Manzanille	Ilaannakortumik atorfeqartoq
Lotte Snebang Christensen	Nalunaaquttap akunnermusiaqarluni iggaffimmi ikiorti
Mala Broberg	Ilaannakortumik atorfeqartoq
Malik Andersen	Pedeli nalunaaquttap akunnermusialik
Martin Stounberg	Nalunaaquttap akunnermusiaqarluni iggaffimmi ikiorti
Morten Bie	Ilaannakortumik atorfeqartoq
Niels Joelsen	Nalunaaquttap akunnermusiaqarluni iggaffimmi ikiorti
Nukaaranguaq Kristiansen	Nalunaaquttap akunnermusiaqarluni iggaffimmi ikiorti
Paaviaaraq Ludvigsen	Ilaannakortumik atorfeqartoq
Rikke Tupaarnaq Hansen-Egede	Nalunaaquttap akunnermusiaqarluni iggaffimmi ikiorti

NUTSERISUT:

Maannguaq Berthelsen	Nutserisoq
Else Olsvig	Nutserisoq

ILINNIARTUT IKIORTAASUT:

Angunnguaq Malik Sethsen	Ilinniartoq ikiortaasoq
Aviaaja Petersen	Ilinniartoq ikiortaasoq
Christie Møller Berthelsen	Ilinniartoq ikiortaasoq
Frederik Rosing	Ilinniartoq ikiortaasoq
Inaluk Schmidt Jakobsen	Ilinniartoq ikiortaasoq
Jakob Riise Lund	Ilinniartoq ikiortaasoq
Jonathan Stounberg	Ilinniartoq ikiortaasoq
Malou Platou Johansen	Ilinniartoq ikiortaasoq
Marie Hartlev Frausing	Ilinniartoq ikiortaasoq
Marie Louise Søndergaard	Ilinniartoq ikiortaasoq
Martin Stounberg	Ilinniartoq ikiortaasoq
Mette Svantemann Lyngby	Ilinniartoq ikiortaasoq
Miyuki Daorana	Ilinniartoq ikiortaasoq
Ulunnguaq Lyberth	Ilinniartoq ikiortaasoq

ANGALLAMMIK INGERLATSISQOQ:

Erneeraq Siegstad	Paarlatsi
Malik Andersen	Paarlatsi



ATEQ

ATORFIK

SULILERFIK SORAARPOQ

PINIARTUNIK NAMMINERSORTUNIK UUTTORTAASARTUSSANILLU AKILERLUGIT SULEQATEQARNERIT

Adam Aronsen

Aksel Blytman

Anders Madsen

Ane Pedersen

Aqqalu Barselajsen

Finn Pedersen

Frede Kilime

Frederik Brandt

Gaba Abelsen

Hans Jakob Jakobsen

Hans Josvassen

Hans Kristensen

Inunnguaq Jensen

Jakob Stephensen

Johan Arqe

Josef Lorentzen

Julius Nielsen

Martin Madsen

Mette Barselajsen

Mette Kristensen

Mikael Christensen

Samuel Josefsen

Scoresby Hammeken

Svend Heilmann

Therkild Eliassen

Tobias Ignatiussen

Tobias Petersen

NUNANI ALLANI ATAATSIMIINNERIT

17th North American Caribou Workshop,

October 29. – November 2., Ottawa, Canada

42nd Annual Larval Fish Conference,

June 24.-28., Victoria, Canada

5th Deep-Sea Biology Symposium,

September 9.-14., Monterey, California, USA

AACA Workshops om Landbrug, Infrastruktur, Skibstrafik, Extreme events, Alternativ udnyttelse af de levende ressourcer,

September 11.-13. Nuuk, Greenland

Adaptation Actions for a Changing Arctic (AACA)

Workshop, September 11.-13., Nuuk, Greenland

Adaptation Actions for a Changing Arctic (AACA),

Formidling af AACA rapport og Stakeholder Workshop, 11.-14. september, Nuuk, Greenland

Advice Drafting Group on Arctic and North-Western fish stocks (ADGANW),

May 22.-25. Copenhagen, Denmark

Advice Drafting Group on Deep Sea stocks

(ADGDEEP), May 15.-17., Copenhagen, Denmark

After Ice workshop,

May 4.-5., Edmonton, Canada

Annual meeting in the LTM-Benthos network,

November 12.-16., Reykjavik, Iceland

Arctic Circle,

October 19.-21., Reykjavik, Iceland

Arctic Frontiers,

January 22.-24., Tromsø, Norway

Arctic Funders Collaborative, ABC,

May 22., Nuuk, Greenland

Arctic Observing Summit,

June 24.-26., Davos, Switzerland

Arctic Science Ministerial,

Oktober 25.-26., Berlin, Tyskland

Argos users conference,

21.-22. november 2018, Toulouse, Frankrig,

Arktisk Workshop –Hindsgavl,

April 4.-5., Denmark

ASP Annual meeting,

January 22.-24., Tromsø, Norway

ASP Science meeting,

November 26-29. Sandbjerg, Denmark

Bilateral negotiations on fishing opportunities

Greenland-Faroe Islands, December 6.-7., Copenhagen, Denmark

Bilateral negotiations on fishing opportunities

Greenland-Norway,
December 4.-5., Copenhagen, Denmark

Bilateral negotiations on fishing opportunities

Greenland-Russia,
December 10.-12., Moscow, Russia

BioGeoZones Workshop,

April 25.-26., Nuuk, Greenland

BuSK Meeting and Workshop,

March 19.-21., Torshavn, Faroe Islands

CAFF 2nd Arctic Biodiversity Congress,
October 9. – 11., Rovaniemi, Finland

CAFF Seabird (CBird) Annual Meeting,
March 12.-16., Cambridge, UK.

CAFF/CBMP-Marine: May 1.-3. (Ottawa, Canada),
October 8. and 12. (Rovaniemi, Finland),
plus phone meetings January 11., March 5. and
September 20.

CAFF/CBMP-Terrestrial:
April 23 (Copenhagen, Denmark) and October
8 (Rovaniemi, Finland), plus phone meetings
January 18., February 22., March 22., April 11.,
May 23., June 27., August 22., September 13.,
October 31., November 28. and December 11.

Canadian Polar Bear Technical Committee,
phone meeting d. 28. nov

Capelin negotiations, Greenland, Iceland and
Norway, April 3.-5., Reykjavik, Iceland

Capelin negotiations, Greenland, Iceland and
Norway, June 18.-20., London, UK

Climate Change and Northern Societies Seminar,
May 7., Edmonton, Canada

Dansk Havpattedyrsymposium,
9.-10. marts, Hillerød, Denmark

East Greenland narwhal project, meetings with
national and international partners, October 5.
and December 3., Copenhagen, Denmark

ESSAS Annual Science Meeting, June 12.-14.,
Fairbanks, USA

EU programmes workshop, November 22.-23.,
Bruxelles, Belgium

**Fishery agreement Greenland and EU
Joint Committee meeting,**
November 20.-21., Bruxelles, Belgium

**Fishery agreement Greenland and EU technical
meeting,** July 11.-13., Nuuk, Greenland

**Greenland Ecosystem Monitoring Coordination
Group Meeting,**
November 21.-22., Copenhagen, Denmark

**Greenland Ecosystem Monitoring Meeting
and Workshop,**
February 27. – March 1., Nuuk, Greenland

Greenland Ecosystem Monitoring PI Meeting,
September 19., Copenhagen, Denmark

Greenland halibut Otolith ageing training,
January 15.-18., Reykjavik, Iceland.

**ICES (WGCRAB) Working Group on the Biology
and Life history of Crabs,**
November 5.-9., St. Helier, Jersey

ICES ACOM meeting,
December 5.- 8., Copenhagen, Denmark

ICES Annual Conference Meeting,
September 24.-27., Hamburg, Germany

**ICES InterBenchmark Protocol on Greenland Cod
(IBPGCOD),**
January 8.-9., ICES HQ, Copenhagen, Denmark

**ICES Intermediate Benchmark Workshop on NEA
mackerel,**
December 11.-14. ICES HQ, Copenhagen, Denmark

ICES North Western Working Group (NWWG),
April 26. - May 3., Copenhagen, Denmark

ICES WGNAS, April 4.-13.,
Woods Hole, Massachusetts, USA (Webex)

**ICES Working group for widely distributed stocks
(WGWIDE),**
August 27.-September 4., Torshavn, Faroe Islands

ICES Working group WGIPS postcruise meeting,
August 20.-23., Nordatlantens brygge,
Copenhagen, Denmark

Ilulissat icefjord science board,
Marts 1.-6., Ilulissat, Grønland

Inspiration Workshop on Geosciences in Greenland, May 31., Nuuk, Greenland

INTERACT Second Annual Meeting,
September 24.-28., Salekhard, Rusland

INTERACT Station Managers Forum,
March 18.-23., Varhn, Italy

INTERACT Transnational Access Board Meeting,
December 12.-14., Warsaw, Poland

Inuit Circumpolar Council General Assembly,
July 16.-19., Utqiagvik, Alaska

Inuit Education Summit, February 13.-15., Nuuk

ISAAFFIK Workshop,
October 29.-30., Kangerlussuaq, Greenland

IWC AWMP Workshop on Developing SLAs for the Greenland Hunts,
March 20.-24., Copenhagen, Denmark

IWC, 67th meeting of the IWC Scientific Committee, April 24. – May 6., Bled, Slovenia and
67th meeting of the IWC,
September 10.-14., Florianopolis, Brazil

Joint IMR/NAMMCO Workshop on the Status of Harbour Porpoises in the North Atlantic,
November 3.-7., Tromsø, Norway

KNAPK (OAK) Management Workshop,
November 6.-7. Nuuk, Greenland

KNAPK workshop on Wildlife management,
November – 6.- 8., Nuuk, Greenland

Long-Term Benthos Monitoring network for detecting changes in the Arctic benthic Ecosystem,
November 12. – 16., Reykjavik, Iceland

M.P. Whale tagging workshop,
18-21 juni 2018, Seattle, Washington, USA

Mackerel negotiations. Coastal states,
May 22-24. London, UK

Mackerel negotiations. Coastal states.
October 8-10. London, UK

Marine Stewardship Council v.2.0 Workshop,
January 23-24. Reykjavik, Iceland

Microbiome seminar, March 20-23. Vermont, USA

MineClosure2018, Conference,
September 3-7. Leipzig, Germany

MOXNET (CBMP Muskox Expert Network),
November 1. Ottawa, Ontario, Canada

MSc audit, Lumpfish, August 28, Nuuk, Greenland

NAFO Scientific Council Meeting,
June 1-14. Halifax, Canada

NAFO Scientific Council Working Group on Ecosystem Science and Assessment (WGESA),
November 13.-22., Halifax, Canada (Webex)

NAFO/ICES (NIPAG) Pandalus Assessment Working Group, October 17.-24., Halifax, Canada

NAMMCO Scientific Publication series,
editorial meetings over Skype

NAMMCO Working Group on Walrus,
October 23-25, Copenhagen, Denmark

NAMMCO, 25th meeting of the NAMMCO Scientific Committee,
November 13. – 16., Hurtigruten, Norway

NAMMCO, Abundance Estimate Working Group,
May 22.-24., Copenhagen, Denmark

NEAFC PECMAS meeting,
October 2.-4. London, UK

NEAFC, November 13.-16. London, UK

NordForsk meeting,
February 16.-18., Reykjavik, Iceland

Nordic Council Joint Session,
September 13., Nuuk, Greenland

Ocean Sciences conference 2018,
11.-16. February 2018, Portland, Oregon USA

Pi Technology, June 25.- 26. Reykjavik, Iceland

Pikialasorsuaq workshop,
May 29. - June 2., Nuuk, Greenland

Polar Dream meeting,
October 3.-4., Copenhagen, Denmark

Polar2018, A SCAR and IASC Conference,
Open Science Conference,
June 19.-23., Davos, Switzerland

Polar2018, June 21.-23., Davos, Switzerland

Polarforskerdagen,
December 6., Copenhagen, Denmark

RCN: Learning from Indigenous Community-Based Researchers from Around the Arctic
2nd Meeting, September 10.-16., Nuuk, Greenland

Science workshop, National Science Foundation, Greenland Institute of Natural Resources and Greenland Research Council,
August 27.-28., Nuuk, Greenland

Seabed 2030 Arctic meeting,
October 8.-9., Stockholm, Sweden

Seventh annual meeting of the Joint Icelandic Greenlandic Fisheries Commission,
March 13.-15., Nuuk, Greenland

Sustainable Adaptation to Climate Change and Globalization in Disko Bugt, West Greenland
– Identifying Opportunities and Threats Seminar,
April 9.-12., Ilulissat, Greenland

Sustainable Fisheries Greenland seminar,
ICES advice principles and GINR research strategy,
September 11. Nuuk, Greenland

Swiss-Danish Seminar on Arctic Research,
Maj 7.-8., Ilulissat, Grønland

The Arctic Biodiversity Congress:
October 9.-12., Rovaniemi, Finland

USA – Greenland Research and Educational Workshop, August 27.-28., Nuuk, Greenland

USA-Greenland Research and Educational Workshop, August 27.-28., Nuuk, Greenland

Workshop - improving the Greenlandic shrimp model, April 8.-13., Tromsø, Norway

Workshop om udvikling af småskalavirksomheder i Sydgrønland,
April 9.-12., Qaqortoq, Greenland

NUNATSINNI ATAATSIMIINNERIT

AACA workshop in GL, 14. juni og planlægningsmøde med Selvstyret, 11. april, Nuuk

AACA-workshop om tilpasning til klimaændringer,
Departementet for Natur og Miljø,
14. juli, Katuaq, Nuuk

Arbejdsgruppemøde om MSC på torsk
hos Grønlands Erhverv, 31. maj, Nuuk

ARCs årsmøde, 24. oktober, Middelfart, Denmark

Arctic Science Study Programme (ASSP) Education Coordination Meeting, November 20.-22., Nuuk

Arktisk dialog, koordinering - DMN,
11. december, Nuuk

Arktisk Workshop om Forskning og Uddannelse,
4.-5. april, Hindsgavl Slot, Danmark

Bachelor skrive-workshop,
1.-3. oktober, Copenhagen, Denmark

Bogskrivnings-workshop,
24.-27. september, Aarhus, Danmark

Bogskrivnings-workshop,

5.-8. november, København, Danmark

Borgermøder om baggrunden for vores rådgivning om polarlomvien i Grønland,

5.-11. februar, Upernavik, Kullorsuaq og Nuussuaq

CBMP-Marine, koordinering DCE- GN – PAN,

21. juni, København

Dialogmøde med Departement for Fiskeri og Fangst om IUCN rødliste for Grønland,

13. December, Nuuk

Dialogmøde med GFLK om kommercielle trawleres logbogs- og VMS data,

12. Februar, Nuuk

Dialogmøde med Sustainable Fisheries Greenland om MSC i Barensthavet,

18. Januar, Nuuk

Farmaceutisk Fakultet, møder om aldersbestemmelse af hvaler,

København

Foredrag for Royal Greenland fabrikschefer,

12. april, Nuuk

Foredrag til GFLK årsmøde,

16. Januar, Nuuk

Foredrag til møde om pelagiske fiskeressourcer med APNN, GFLK, fiskere, juni,

Nuuk

Forsvaret, møde om sejlads med Lauge Koch,

25. april 2018, København

GCRC møde med Energistyrelsen,

19. Januar, København, Danmark

Greenland Fisheries and License Control (GFLK)

annual meeting, 16. January. 2018, Nuuk

Hindsgavlsuddannelsesmøde,

26. Januar, København, Danmark

Statens Naturhistoriske Museum, Hvalrosdag,

5. marts og 30. november, København, Danmark

Isbjørneforvaltning – APNN,

4. december, Nuuk

Landbrugsrådsmøde,

41. møde, 27. juni 2018, Narsarsuaq

Meeting with The Danish Association of Energy and Environmental Journalists,

19. January, Copenhagen, Denmark

Møde med Departement for Fiskeri om forsøgsfiskeri efter kammuslinger og søpølser,

13. August, Nuuk

Møde om evaluering af Rødliste-projekt,

Departement for Fangst og Fiskeri,

13. december, Nuuk

Møde om ny Planportal og lovpligtige GIS-lag på NunaGIS,

Departementet for Finanser,

30. august, Nuuk

Møder med Asiaq og Departementet for Finanser

angående udvikling af NunaGIS

Møder med Asiaq, Nukissiorfiit og Departementet

for Erhverv omkring GIS-Greenland samarbejdet

Møder med Departementet for Råstoffer

angående etablering af LicenceMap

Møder med GFLK (Grønlands Fiskeri Licens

Kontor) angående visning af zoneringer og

aktiviteter inden for fiskeri og havmiljø

Møder med Grønlands Selvstyre, Beijing Normal

University og TELE POST angående etablering af

satellitmodtagestation i Grønland

Moskus bestande ved Kangerlussuaq – APNN,

27. Februar, Nuuk

Narhvaler og ulve, dialogmøde med PAIAN,

3. februar, Nuuk

Ninth Uarctic Caucus Meeting,

24 April, Copenhagen, Denmark

PISUNA borgermøde og panel diskussion,

7. november, Nuuk

Polar Founders besøg, 22. Maj, Nuuk

Præsentation af fiskerirådgivningen

fra ICES og NAFO, 6. Juni, Nuuk

Præsentation af krabberådgivningen

KNAPK og Industrien. 3 okt., hos KNAPK, Nuuk

Præsentation af rejerådgivningen (NAFO)

Departement og Industrien 31. okt., Nuuk

Remote Sensing Workshop, 14.-18. maj, Nuuk

Seminar SFG (SFG), Rådgivningsprincipper og referencepunkter i NAFO, 11 september, Nuuk

Statens Naturhistoriske Museum, møder om samarbejdsprojekter (genetik hos marsvin, nar og hvidhvaler, Grundstofanalyser ved brug af XRF), København

Styregruppe for Kitsissunnguit, Departementet for Natur, Miljø og Forskning 22. februar, 11. marts, 2. oktober og 18. December, Nuuk

Styregruppemøder Isaaffik, hver måned, København, Danmark

Sustainable Fisheries Greenland seminar om rådgivning og forvaltning, 11. September, Nuuk

Turisme og isbjørne, møde med APN og Visit Greenland, 27. September, Nuuk

Uddannelsesdagene på GUX i forbindelse med uddannelseskaravanen 2018, 21 november, Nuuk

Uddannelsesmesse for borgerne i Nuuk i forbindelse med uddannelseskaravanen 2018, 21. November, Nuuk

Uddannelsesworkshop efterårssemestret, 12. oktober, Risø, Denmark

Vin & Videnskab, 10. oktober 2018, København

Working group meeting about Bachelor education, every second month (on skype), Ilisimatusarfik, Greenland

Workshop med Nationalt Center for Miljø og Energi om Råstofstrategi, 9. januar 2018, Roskilde

Workshop om udvikling af småskalavirksomheder i Sydgrønland 9.-12. april, Qaqortoq

Workshop vedr. hellefisk FIP - MSC projekt, 27. November, Ilulissat

Workshop vedr. hellefisk FIP - MSC projekt, 28. November, Upernavik

Østgrønlands aktiviteterne, debriefing-møde, 5. oktober, København

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Burmeister AD (2018) Catch table update for the West Greenland shrimp fishery. NAFO SCR 18/058 Serial No N6872

Burmeister AD (2018) Reply to the Canadian request for advice of shrimps in Subarea 0 and 1. NAFO SCR 18/061 Serial No 6875

Burmeister AD, Riget (2018) A Provisional Assessment of the Shrimp Stock off West Greenland in 2018. NAFO SCR 18/056 Serial No. N6870

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Givens, G. H., Allison, C., Donovan, G., George, J.C., Scordino, J., Stachowitsch, M., Suydam, R., Tiedemann, R., Witting, L. (2018) Report of the intersessional correspondence group on drafting an Aboriginal Whaling Scheme. IWC/SC/67b/AWMP21

Hansen R et al., Current and past abundance of walrus in East Greenland. NAMMCO SC/25/14-WWG/07

Hansen R, Recalculations for North Water Survey 2018. NAMMCO SC/25/14-WWG/06b

Hansen R, Recalculations for Summer Survey in East Greenland. NAMMCO SC/25/14-WWG/07b

Hansen R. & Heide-Jørgensen MP, Abundance of walrus in the North Water 2018. SC/25/14-WWG/06

Hansen R. Updated abundance estimates of whales in West and East Greenland in 2005-2015. Hansen RG et al. IWC SC/DXX/AWMPXX

Hedeholm R (2018) Analysis of 2003-2016 tagging data from Greenland waters as it relates to assessment of the East Greenland offshore stock and the West Greenland inshore stock. ICES Inter-benchmark Protocol on Greenland Cod, 8-9 January 2018, WD3

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- Nygaard R** (2018) The salmon fishery in Greenland 2017. ICES WGNAS, 4–13 April 2018. WD 01
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- Witting, L.** (2018) Assessment of West Greenland walrus – 2018, NAMMCO/SC/25/14-WWG/11
- Witting, L.** (2018) Assessment runs for East Greenland walrus – 2018, NAMMCO/SC/25/14-WWG/12
- Witting, L.** (2018) On banks in management systems with carryover, IWC/SC/M18/AWMP04
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Jacobsen IBD. Oplæg for GFLK om beskyttede områder i Grønland, 21. marts, Nuuk

Jacobsen IBD. Oplæg, undervisning og deltagelse i Joint Science Education Project 2018 i Kangerlussuaq 3. juli 2018

Juul-Pedersen T & Søgaard DH. Presentation and interview on 'Gletsjerafsmeltning og havis – effekter på det marine økosystem'. Meeting with The Danish Association of Energy and Environmental Journalists, 19 January, Copenhagen, Denmark

Juul-Pedersen T & Winding M. Teaching and coordinating the graduate course 'Arctic Aquatic Ecosystems'. April-July, Nuuk, Greenland

Juul-Pedersen T. Guest lecture on 'Climate change effects on marine ecosystems in Greenland' at the ArcTrain Conference for PhD Students and supervisors, 29 October – 2 November, Montreal, Canada

Juul-Pedersen T. Guest lecture on 'Skrivetraditioner indenfor Naturvidenskab' for PhD Students at Iisimatusarfik, 13 March, Nuuk, Greenland

Juul-Pedersen T. Hosting 'Offentlige Foredrag i Naturvidenskab' in Nuuk. January-March og October-December, Nuuk, Greenland

Juul-Pedersen T. Presentation on 'Climate Change and Marine Ecosystems in Greenland'. Nordic Council Joint Session, 13 September, Nuuk, Greenland

Juul-Pedersen T. Presentation on 'Fremtidens levende ressourcer i Disko Bugt'. Sustainable Adaptation to Climate Change and Globalization in Disko Bugt, West Greenland – Identifying Opportunities and Threats Seminar, 9-12 April, Ilulissat, Greenland

Juul-Pedersen T. Tour and presentation of GINR and GCRC for Adaptation Actions for a Changing Arctic (AACA) Workshop, 10 September, Nuuk, Greenland

Juul-Pedersen T. Tour and presentation of GINR and GCRC for Alto University and University of Iceland, 6 June, Nuuk, Greenland

Juul-Pedersen T. Tour and presentation of GINR and GCRC for CEE Network Partners, 16 September, Nuuk, Greenland

Juul-Pedersen T. Tour and presentation of GINR and GCRC for GeoCamp Iceland, 23 August, Nuuk, Greenland

Juul-Pedersen T. Tour and presentation of GINR and GCRC for Washington University, 30 August, Nuuk, Greenland

Kielsen Holm L. Teaching and coordinating trip to Kapisillit, in connection with: "Effects of climate change on Arctic livelihoods and living conditions" Arctic Course, Nuuk, Greenland

Krawczyk, DW. Detecting life in the twilight zone: integrating advanced genomics with paleoecology to characterize microbial life in the oceans of Greenland. Presentation at Microbiome seminar, March 20-23, Vermont, USA

Krawczyk, DW. Introduction to the BioGeoZones project. BioGeoZones workshop organizer and presentation, April 25-26, Nuuk, Greenland

Krawczyk, DW. Palaeoceanography. Teacher in Masters' course, May 04, Nuuk, Greenland

Labansen A. Foredrag (Seabirds in Greenland) for studerende på kurset: Hunting module in course on "marine and fresh-water arctic biology" by the University of Aarhus and GINR, 22. maj, Nuuk

Labansen A. Foredrag om lomvie monitoringsarbejde til jagtbetjentseminar, 16. januar, Nuuk

Labansen A. Foredrag til Natur om Torsdagen: Flyv med lomvierne, 6. december, Nuuk

Laidre et al. Use of glacier fronts in Greenland by narwhals and other top predators. Talk, Ocean Sciences conference 2018, Portland, Oregon USA, 11-16 February 2018

Laidre KL, Born EW, Ugarte F, Dietz R, Sonne C. Research on Polar Bears in Greenland, 2009–2016, Oral presentation at the 18th Working Meeting of the IUCN/SSC Polar Bear Specialist Group, 7–11 June 2016, Anchorage, Alaska.

Larsen MB. Oplæg for GFLK om beskyttede områder i Grønland, 21. marts, Nuuk

Lemming N. Interview i forbindelse med P Bondo: Grønlandske marsvin på langtur i Nordatlanten. Sermitsiaq nr. 29

Lemming N. Skype oplæg for studerende i Nuuk om marsvin i Nordvandet, 23. maj, København

Merkel FR, Labansen A, Johansen K. Detection of demographic parameters from time lapse images – cliff nesting birds. Symposium on image-based techniques in species detection and identification, Aarhus Institute of Advanced Studies, 8 Nov. 2018

Merkel FR. Nyt om polarlomvien i Nordatlanten. Orienteringsmøde med Landsstyreformand K. Kielsen, 12. februar 2018, Institut for Bioscience, Aarhus Universitet, Roskilde, Denmark

Nielsen J. I dybet med Grønlandshajen. Natur om torsdagen. 6 december. Nuuk

Olsen M. Oplæg for GFLK jagtbetjente om databehandling af særmeldingsskemaer, 20. marts, Nuuk

Raundrup K. Foredrag for ASSP-students, Long-term monitoring in Kobbefjord with focus on freshwater systems, 1. juni, Nuuk

Raundrup K. Foredrag for Interdisciplinary Summer School students, Arctic ecology, long-term monitoring and episodic events that blur the results, 3. juli, Nuuk

Raundrup K. Foredrag for SIT-students, GINR and long-term monitoring, 9. marts, Nuuk

Raundrup K. Foredrag til Natur om torsdagen, Hvor skal vi hen du? Rensdyr i bevægelse, 8. november, Nuuk

Raundrup K. Foredrag til VFMG's årsmøde, Sygdomme i dyr i Grønland, 21. februar, Nuuk

Sigstad H, Nogueira A, Hedeholm R, Christensen HT, Rigét F, Nygaard R. Arctic Marine Ecosystems. Teachers in Masters' course, Nuuk-May-July

Søgaard, DH. Glacier melt and sea ice – effects on the marine ecosystem and courses Nuuk – Teaching at DIS, 3. May. Copenhagen, Denmark

Søgaard, DH. Nye uddannelsesinitiativer i Nuuk – Journalistworkshop, 19. January. Copenhagen, Denmark

Søgaard, DH. Sea ice ecosystems. Teacher in Masters'course, 26. February – 04. Marts, Nuuk, Greenland

Tervo O. Skype oplæg for studerende i Nuuk om grønlandshvaler, 23. maj, København

Tervo O. Utilization and management of marine mammals in Greenland. Foredrag på kursus Arctic Nature and Society, Københavns Universitet, 9. maj, København

Ugarte F. Hunting module in course on “marine and fresh-water arctic biology” by the University of Aarhus and GINR, May 17 – June 19

Winding MHS. Marine Monitoring and Research in Greenland, 26 February. King Abdullah University of Science and Technology, Thuwal, Saudi Arabia

Winding MHS. Teaching - graduate course 'Arctic Aquatic Ecosystems', April-July. Nuuk, Greenland

Winding, MHS. SIT Study Abroad. Climate change effects on the Greenlandic marine ecosystems, 8. March. Nuuk, Greenland

Winding, MHS. SIT Study Abroad. Climate change effects on the Greenlandic marine ecosystems, 4. September. Nuuk, Greenland

Xavier J., Cherel Y., Allcock L., Rosa R., Sabirov R., Blicher M., Golikov A. Biodiversity, Distribution and Ecology of Cephalopods in Polar Marine Ecosystems // Where the Poles come together. Abstract Proceedings, Open Science Conference, 19 – 23 June, Davos, Switzerland. – WSL Institute for Snow and Avalanche Research SLF, 2018. – P. 142.

Yesson C, Kemp K, Fuhrmann M, Hammeken N, Blicher ME. Benthic habitats in West Greenland. 5th Deep-Sea Biology Symposium, September 9-14. Monterey, California, USA

INGERLASSIMASAT ALLAT

Bouchard C. Co-chair of session on Biology, Ecology and Paleoecology of Arctic gadids, Ecosystem Studies of Subarctic and Arctic Seas (ESSAS) Annual Scientific Meeting, Fairbanks, USA.

Bouchard C. Member of the ESSAS Scientific Steering Committee.

Bouchard C. Reviewer for Fisheries Research.

Bouchard C. Reviewer for Marine Environmental Research.

Bouchard C. Reviewer for Polar Biology.

Bouchard C. Reviewer for Progress in Oceanography.

Cuylar C. Greenland representative to CBMP – Terrestrial Steering Group; Member of CBMP – Terrestrial Mammal Expert Group; C. Chair for MOXNET, CBMP – Terrestrial’s international Muskox Expert Network; Member of CARMA, CBMP – Terrestrial’s international Caribou Expert Network & Member of the International Scientific Committee for the Arctic Ungulate Conference

Garde E. Reviewer for Marine Mammal Science

Hansen R, Heide-Jørgensen MP, Rosing-Asvid A, Ugarte F & Witting L. Members of NAMMCO Scientific Committee

Hansen R. Censor for specialestuderende, 2 juli, 9 august

Hansen R. Editor for The NAMMCO Scientific Publication series

Hansen R. Reviewer for The NAMMCO Scientific Publication series & Polar Biology

Hansen RG & Laidre K. & Ugarte F. Members of CAFF/CBMP-Marine Marine Mammal Expert Network

Heide-Jørgensen MP. Vejleder for PhD studerende C. Ngo. *Modelling Marine Mammal Reactions to Anthropogenic Factors*. Københavns Universitet

Heide-Jørgensen MP. Vejleder for PhD studerende N. Lemming. *Ecology of harbour porpoises in Greenland – extreme living on the light of other populations?* Ph.d. afhandling ved Aarhus Universitet, 128 sider

Heide-Jørgensen MP. Vejleder for to speciale studerende på Københavns Universitet L.L. Mørch og N. L. Corfixen. *In the footprint of Arctic Giants – application of environmental DNA for monitoring abundance and diversity of bowhead whale (Balaena mysticetus)*.

ICES training Course Stock Assessment Advanced, November 5-9. Copenhagen, Denmark

Jia Y. Reviewer for Environmental Pollution

Jia Y. Reviewer for Environmental Technology & Innovation

Juul-Pedersen T & Ugarte F. CAFF/CBMP-Marine Steering committee

Krawczyk DW. Co-supervisor of PhD student.

Laidre K. & Ugarte F. Members of the IUCN Polar Bear Specialist Group

Lemming N. Reviewer for Marine Ecology Progress series

Meire L., Reviewer for Frontiers

Meire L., Reviewer for Progress in Oceanography

Meire L., Reviewer for Scientific reports

Merkel FR. Member CAFF/C-Bird group

Merkel FR. Reviewer for Seabirds & PlosOne

Miljøafdelingens planlægningsworkshop, 1.-2. februar, Pinngortitaleriffik

Mortensen J, Reviewer for Geophysical Research Letter

Mortensen J, Reviewer for Journal of Geophysical Research - Oceans

Reviewer for Polar Biology “Temperature selection and the final thermal preferendum of snow crab (*Chionoecetes opilio*) from the Barents Sea”

Søgaard, DH. Reviewer for ARICE_proposal.

Tervo O. Reviewer for Journal of the Acoustical Society of America & Arctic

Winding, MHS. Reviewer for JoVe

PH.D.-NNGORNIUTIT AAMMALU BIOLOGITUT NAAMMASSINNISSUTIT

Katrine Raundrup'ip Ph.d-nngorniutini tuttu nikerartarnerinut tunngasoq: "Movement patterns and habitat selection – insights from West Greenland caribou" qulequtsigaq Aarhus Universitet'iani illersorpaa angusilluni.

Nynne Elmelund Lemming'ip Ph.d.-nngorniutini niisanut Kalaallit Nunaata imartaaniittartunut tunngasoq: "Ecology of harbour porpoises in Greenland – extreme living in the light of other populations?" Aarhus Universitet-iani 2. november 2018 illersorpaa angusilluni.

ILISIMATUSARNERMI KILLIFFIGISAMIK NALILIFFIGINEQARNEQ

Morten Birch Larsen 1. januar aallarnerfigalugu qaffasinnerusumik atorfeqarluni ilisimatusartartussatut naliliiffigineqarpoq.

Diana W. Krawczyk – immap ikerani aalisagaqasutsinik misissuutitaap atortorissaarutitaanillu pikkorissartinneqarneq aamma Kalaallit Nunaata imartaani immap naqqata soqarneranik nalunaarsuinerit programmiuluullugit database-liuullugillu, kingorna suleqatinik pikkorissaasinnaanngorluni.

Else Ostermann – Skalar'ip atorsinnaalernissaanik pikkorissarneq: misissuisarfinni atortut ilaannik atuisinnaanissamik pikkorissarneq, 11.-14. december, Nuuk.

ARAJUTSINEQANNGITSUT ALLAT

Qaffasinnerusumik atorfeqarluni ilisimatusartartooq **Aqqalu Rosing-Asvid** Pinngortitaleriffimmi sulinermini ukiut 25-nngortorsiorpoq 26. april 2018.



MISISSUINERIT, AALISAKKANUT QALERUALINNULLU IMMIKKOORTORTAQ

Kinguppaat, saarullit, qaleraleeqqat suluppaakkallu	JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Pâmiut misiss. 1, raajat aalisak., Nuuk-Illu						●●						
Pâmiut misiss. 2, raajat aalisak., Illu- Nuuk						●●●						
Pâmiut misiss. 3, raajat aalisak., Nuuk-Qaq							●●					
Saarulleqqanik sinerissap qanit. misiss.	JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Avataq, saarullit 'sukorsit', Nuuk						●						
Sanna, misiss. 2, saarullit 'sukorsit', Maniitsoq						●●						
Sanna, misiss. 3, saarullit/immapp naqqa/saattuat, Sisimiut						●●●●						
Sanna, misiss. 4, qalerallit/saarullit/saattuat, Disko Bugt							●					
Qalerallit	JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Sanna, misiss. 4, qalerallit/saarullit/saattuat, Disko Bugt							●●					
Sanna, misiss. 5, qalerallit, Uummannaq							●●					
Sanna, misiss. 6, qalerallit, Upernavik								●●				
Avaleraasartuut	JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Finnur Fridi, avaleraasartooqas. misiss., Tunup imartaa							●●●					
Eros, ammassaqassutsimik miss., Tunup imartaa									●●●			
Aalisarfinit uuttortaaneerit katersinerit	JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Aalisakkerivinni uuttortaaneerit, qalerallit	●	●●		●	●●●	●●●	●●●●	●●●●	●	●●		
Aalisakkerivinni uuttortaaneerit, saarullit		●●		●	●●●	●	●●	●●●●	●●●	●●		
Aalisagaaraqassuseq qaleraaraleqqassuserlu	JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Aalisagaqqanik qaleraaralinnillu katersinerit (Marin Basis), Nuup Kangerlua	●		●	●	●	●	●	●	●	●		●
Kapisillit	JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Kapisillini kapisillit suffisarnerat						●						

MISSUINERIT, AVATANGIISINUT AATSITASSANULLU IMMikkoORTORTAQ

Suliniut	JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Biobasis, Kangerluarsunnguaq					●	●	●	●	●	●	●	●
GRACE, Kangerluarsorseq							●					
Mesokosmoseksperiment									●	●		
Tinittarnerup ulittarnerullu killingat									●			
Kujataani avatangiisinik nakkutilliineq									●	●		
Kitaani avatangiisinik nakkutilliineq								●	●			
Sioqqanik milluaaneq, Sisimiut					●							
Nipi atorlugu immami misissuinerit peqataaffiginerat					●	●			●	●	●	
Sinerissap nalunaarsorneqarnera							●	●	●			
Umimmaat peqqissusiat								●				
Kalaallit Nunaanni uumassusillit							●	●				

MILUUMASUNUT TIMMISSANULLU IMMikkoortortaqarfik - ASIMI MISISSUINERIT

Nunami miluumasut		JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Tuttunik kisitsineq - Kangerlussuaq/Sisimiut				●●									
Timmissat		JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Marine Basis Nuuk timmissanik kisitsinerit								●					
Kitsissunnguani timmissanik teriannianillu misissuinerit							●						
Mitinik misissuinerit - kitaata kujaaatungaani (Nuuk)							●						
Mitiit/appat/imeqqutaallat misissuinerit - Disko Bugt							●●						
Sumiiffimmi ilisimasat - Kitaata avannaani							●●●						
Sumiiffigisami appanik alaatsinaanneq - Upernaviup kujaaatungaani								●●●					
Appanik nassitsissutilersuinerit - Upernaviup avannaatungaa								●●●					
Sumiiffigisami appanik alaatsinaanneq - Paamiut								●					
Sumiiffigisami appanik alaatsinaanneq - Qaqortoq								●					
Sumiiffigisami appanik taateraani alaatsinaanneq - Maniitsoq								●					
Puisit		JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Natsiit qalerallillu sunniivigeqatigiittarnerat - Ilulissat					●								
Natsiinik kisitsineq - Ilulissat							●●						
Natsiinik qaammataasanut nassitsissutilersuineq - Ilulissat								●					
Natsiinik qaammataasanut nassitsissutilersuineq - Ammassalik								●					
Nannut		JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Nannuttanit misissugassanik piniartut katersinerat		●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●	●●●●●●
Tunup Avannaarsuani nannunik nalunaaqutsersuinerit					●●●●								
Arferit mikisut aarrillu		JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Pikialasorsuarmi aavernik kisitsineq - ukioq					●●●								
Qilalikkaniq qernertanik nalunaaqutsersuineq - Tunu, Tasiilaq									●●●				
Qilalikkaniq qernertanik nalunaaqutsersuineq - Tunu, Ittoqq.									●●●●				
Qilalikkaniq qernertanik nalunaaqutsersuineq - Tunup Avannaarsuani									●●				
Arferit angisuut		JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Arfivinnik nalunaaqutsersuinerit - Disko					●●●								
Tikaagulliusaanik tikaagullinillu nassitsissutilersuineq - Maniitsoq							●●●●●●	●●●●●●	●●●●●●	●●●●●●			

MISISSUINERIT, SILAP PISSUSIANIK ILISIMATUSARFIK

Misissuinerit	JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
MarinBasis-Nuuk (misissuiffik pingaarneq)	●	●	●	●	●	●	●	●	●	●	●	●
MarinBasis-Nuuk (maj-imi misissuineq)					●●							
MarinBasis-Zackinberg								●●●●				
Kal. Nun.ilmaani eqqakkat (ZUMAG), Nuuk-Zackenb.								●		●		
Issittumi misiss. suleqa. Davis Str. Kitaatalu imartaani									●●			
Ilisimatusaatigalugit suliniutit	JAN	FEB	MAR	APR	MAJ	JUN	JUL	AUG	SEP	OKT	NOV	DEC
Toqqusak Bankemi uumassusillit ataqtigiiffii										●●		
Immap ikerani misissuutip misilittarneqarnissaa				●								
Immap naqqani uumassusillit nalunaarsorneqarnerat					●				●●●			
Sumiiffimmi pCO ₂ , CO ₂ -p naqitsineranik misissuinerit							●●●●					
Ilisimatusaatigalugu angalaneq - Ilulissat							●●					
Ilisimatusaatigalugu angalaneq - Uummanaq								●●				
Nuup Kangerluani sulineq		●●●●		●●●●				●●	●●			
Nuup Kangerluata imartaanik misissuinerit	●	●	●	●	●	●	●	●	●	●	●	●
Amerallip imartaanik misissuinerit	●	●	●	●	●	●	●	●	●	●	●	●
Pinggor. nalinginn. sakkutooqarfimmik suleq. - immap piss. misiss. 2018							●●					
Kangiani uumass. ataqtigiiff. misiss., Sannamik						●	●●					
Pikialasorsuarmi aavernik timmisartumik kisitsineq							●●					
Kangiani natsiinik timmisartumik kisitsineq				●●								
Pikialasorsuarmi aavernik timmisartumik kisitsineq					●							
Dovebugt-imi qilalukkanik qernertanik timmisartumik kisitsineq									●●			
Disko Bugtip imartaani nipi atorlugu misiss.									●●			
Qipoqqaat qaammataasanut nassitsissusilersornerat, Nuup Kangerlua						●	●			●		
Qilalukkat qernertat PAM & Qimusseriarsuarmilu videoleernerit									●			
Nannunik nalunaaqtsersuinerit				●●●								
Tunup avann. uuliasiorn. atatill.immami miluumasut nipaannik immiussinerit									●●●			
Kaattungiaanik misissuinerit, Nuup Kangerlua					●●							
Arferit angisuut nalunaaqtsersorneqarnerat nipaannillu immiussinerit, Sermilik/Tasiilaq									●●●			



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