

## Building networks and partnerships – Canada-Inuit Nunangat-United Kingdom Arctic Research Programme – Wednesday June 30<sup>th</sup> 2021

Questions in green

### Theme 1 – Breakout Group A to L

16:30:42 From **Caroline Clason** (she / her) to Everyone:

I have to apologise in advance as I'm only able to stay for the first 30 minutes or so due to other commitments - don't be offended when I disappear! :)

16:32:31 From **Natalie** to Everyone:

Call for proposals themes on Programme website: <https://frq.gouv.qc.ca/en/program/canada-inuit-nunangat-united-kingdom-arctic-research-programme#call-for-research-proposals-themes>

16:34:34 From **Natalie** to Everyone:

You will also find the Cross-cutting issues at the same place

16:37:12 From **Natalie** to Everyone:

Info on last session: <https://frq.gouv.qc.ca/en/program/canada-inuit-nunangat-united-kingdom-arctic-research-programme#networking>

16:45:24 From **Natalie** to Everyone:

Wednesday 4th of August

16:45:29 From **Natalie** to Everyone:

Wednesday 10th of November

16:46:04 From **Henry Burgess** - UKRI BAS to Everyone:

Thank you Natalie. My apologies!

16:50:22 From **Paul Barrette** to Everyone:

National Inuit Strategy on Research: <https://www.itk.ca/national-strategy-on-research-launched/>

16:53:10 From **Natalie** to Everyone:

Documents presented by ITK will be added to the Programme website, section 5 – Networking

16:58:21 From **Rachel Jeffreys** to Everyone:

Connor is breaking up

17:01:08 From **Yeo, Isobel** A.L.M. to Everyone:

Thanks, that was helpful. I have downloaded that example from the website so I'll have a closer look.

17:02:31 From **Rowena Stern** to Everyone:

Faiz there is a link between disease and climate through potential raise in harmful microbes in food resources and needs better links to health

17:05:58 From **Natalie** to Everyone:

Letter of intent (pdf example), to be found in Toolbox on website: there seems to be an error on the posted document; will be corrected after this webinar

17:10:49 From **Géraldine Gouin** - Makivik Corporation (Nunavik Research Centre) to Everyone:  
Ok d'accord! Je comprends mieux

17:12:23 From **Sian Henley** to Everyone:  
Hearing you loud and clear in room 1 Lizzie!

17:13:23 From **Yang, Xin** to Everyone:  
I am sorry, my Cam and Micro are not working.

17:15:25 From **Bethan Davies**, Geography, RHUL to Everyone:  
Bethan Davies, webpage [www.AntarcticGlaciers.org](http://www.AntarcticGlaciers.org), twitter @AntarcticGlacie, university page here: [https://pure.royalholloway.ac.uk/portal/en/persons/bethan-davies\(753ed369-79ef-47f7-9d5d-4a8ba258ca86\).html](https://pure.royalholloway.ac.uk/portal/en/persons/bethan-davies(753ed369-79ef-47f7-9d5d-4a8ba258ca86).html)  
Expertise in glaciology and glacial geology

17:15:44 From **Yang, Xin** to Everyone:  
I am an atmospheric chemist with expertise in atmospheric chemistry modelling, especially in halogens and sea-ice sourced emission.

17:17:19 From **Kate Hendry** to Everyone:  
Kate Hendry (she/her), biogeochemist/chemical oceanographer, University of Bristol (UK).  
Expertise in macronutrient and heavy metal cycling in seawater, especially high-latitude coastal systems.

17:17:33 From **Philippe Blondel** to Everyone:  
Philippe Blondel here, from the University of Bath (UK). My speciality is soundscapes and underwater habitats, e.g. fish populations, ice processes, ecosystem stressors, mitigation and adaptation. I have field experience (including in the Arctic) and already collaborate with Canadian researchers. (<https://researchportal.bath.ac.uk/en/persons/philippe-blondel>). I am particularly interested in learning more about how local community priorities. What will be useful to people on the ground? How can we truly work together? If interested or looking to start a conversation, please email [pyspb@bath.ac.uk](mailto:pyspb@bath.ac.uk)

17:18:29 From **Christopher Darvill** to Everyone:  
Chris Darvill -- Manchester University -- Glacial Geology and Landscape Change -- webpage: <https://bit.ly/2TIJ1hm> -- [christopher.darvill@manchester.ac.uk](mailto:christopher.darvill@manchester.ac.uk)

17:22:17 From **Rachel Jeffreys** to Everyone:  
Rachel Jeffreys, University of Liverpool, marine food web ecologist, expertise in biochemistry interested in how food webs are changing under climate change and how this affects food quality and ecosystem structure and function please get in touch if you are interested  
[jeffreys@liverpool.ac.uk](mailto:jeffreys@liverpool.ac.uk)

17:26:25 From **Yang, Xin** to Everyone:  
Sorry, my cam not working

17:28:07 From **Sammie Buzzard** (she/her) to Everyone:  
Sammie Buzzard- glaciologist, Cardiff University, UK. Looking for collaborators interested in current and future glacier change.  
[BuzzardS@cardiff.ac.uk](mailto:BuzzardS@cardiff.ac.uk) <https://www.cardiff.ac.uk/people/view/2488056-buzzard-samantha>

17:28:17 From **Nick Kamenos** to Everyone:  
Nick Kamenos from the university of Glasgow. [www.nickkamenos.com](http://www.nickkamenos.com)  
[nick.kamenos@glasgow.ac.uk](mailto:nick.kamenos@glasgow.ac.uk) I am interested in the impact of climate change on ecosystems in coastal waters that provide services, particularly food (e.g. fishing and hunting), for Inuit communities.

17:33:21 From **Géraldine Gouin** - Makivik Corporation (Nunavik Research Centre) to Everyone:  
Géraldine Gouin from the Nunavik Research Centre, Interested in emerging diseases impacting country food and human health as well as emerging diseases that have impacts on important animal species in Nunavik

17:34:48 From **Thomas Cornulier** to Everyone:  
Hi, Thomas Cornulier, [cornulier@abdn.ac.uk](mailto:cornulier@abdn.ac.uk)  
Statistical modelling; Ecological and environmental monitoring; Integration of information from science, citizen science and expert/traditional knowledge; Wildlife population ecology (terrestrial and marine); Environmental change; Invasive species;

17:36:14 From **Amy Caughey** to Everyone:  
Questions for POLAR: I understand that the Canadian funding in this theme will need to flow through the PI. Can you comment on the funding flow if the PI is not part of a university? (i.e. Where else would the funding be able to flow?) See programme website, section 6 FAQ for answer

17:38:34 From **Rachel Jeffreys** to Everyone:  
On funding - will funds go separately to Canadian lead and UK partners or does it go to Canadian PI to be channelled to UK and other partners? See programme website, section 6 FAQ for answer

17:41:05 From **Rachel Jeffreys** to Everyone:  
thanks

17:42:26 From **Amy Caughey** to Everyone:  
Thank you Alex!

17:44:58 From **Heather Bouman** to Everyone:  
I had the same question!

17:45:06 From **Kate Hendry** to Everyone:  
I'd be interested in knowing that too. Would it be possible please to send a message out to everyone?

17:45:34 From **Sian Henley** to Everyone:  
me too! Can you please put the answer to that question in the FAQs on the website

17:45:44 From **Philippe Blondel** to Everyone:  
Thank you!

17:45:44 From **Kate Hendry** to Everyone:  
Thanks!

17:45:55 From **Thomas Cornulier** to Everyone:

Are there examples of community groups in Nunangat already engaged in citizen science-based ecological monitoring, who might like to develop monitoring capacity, research questions or data use? See programme website, section 6 FAQ for answer

17:48:16 From **Thomas Cornulier** to Everyone:

Great, thank you v much

17:49:18 From **Thomas Cornulier** to Everyone:

Thank you

17:49:18 From **Thomas Cornulier** to Everyone:

Thank you

17:54:09 From **Bobby Farnan** to Everyone:

Sorry Lizzie, would you mind sharing a link to the platform? Thank you.

17:54:45 From **Sian Henley** to Everyone:

<https://cinuarc.meeting-mojo.com/page/homepage>

17:54:52 From **Sian Henley** to Everyone:

link to the platform

17:54:59 From **Bobby Farnan** to Everyone:

Thank you!

17:58:24 From **Michel Tsamados** to Everyone:

Hi all. I am based at the Centre for Polar Observation and Modelling at UCL (London) and I am putting together a consortium for theme 2 to look at our satellite products of thickness/roughness for supporting local communities. I put together a quick page showing our product here <https://github.com/mimi1981/InuitNunangat> . I am also happy to support other bids in providing forecasting tools as well as polar satellite products (i.e. for informing marine transportation, climate change, weather and sea ice forecasts).

### **Theme 1 – Breakout Group M to Z**

**Thomas Cornulier** University of Glasgow – citizen science and indigenous knowledge

Tom Henheffer, Vice President at ARF. My email is [tom@arcticresearchfoundation.ca](mailto:tom@arcticresearchfoundation.ca) You can learn more about us at ArcticFocus.org and our ships at

<https://www.arcticfocus.org/about/vessels-and-labs/> One other thing we didn't mention about ARF and Arctic Focus is that ArcticFocus is also a publishing platform for telling stories from the north, everything from field logs to research papers to northern news and stories about Inuit culture and even mythology. If anyone is interested in contributing or posting their work there please feel free to get in touch!

**Isabelle Laurion:** Limnologist and professor at INRS. Interested in the effects of water browning on oxythermal conditions in lakes and rivers and on drinking water quality in northern communities (Nunavik, Nunavut). I am also interested on its effects on GHG production by lakes and ponds.

**Helen Mackay,** Durham University, UK. Organic geochemist and palaeoecologist interested in long-term environmental change to understand the impacts of climate change on terrestrial

ecosystems and local communities. I'm particularly interested in looking at changes in caribou populations (and other large mammals) over long time periods using lake sediment archives and lipid biomarkers to characterise drivers of change (e.g. climate change, hunting strategies etc) and test resilience. Looking for partners who are interested in caribou populations, lake ecosystem change (e.g. using eDNA) and hunting practises. [Helen.mackay@durham.ac.uk](mailto:Helen.mackay@durham.ac.uk)

**Cara Manning** (Plymouth Marine Laboratory, [cama@pml.ac.uk](mailto:cama@pml.ac.uk)): I have expertise in biogeochemistry and marine and coastal science. I have a recent publication on the seasonality of greenhouse gas emissions from coastal waters in Cambridge Bay, Nunavut: <https://doi.org/10.1029/2020GL087669>. I am interested in contributing to any water/environmental research that supports Inuit priorities. <https://doi.org/10.1029/2020GL087669>

**Clara Manno**-Expertise: Microplastic impact on marine ecosystem service provided by the ocean

**Luci Marshall** Hi, I work with Ocean Networks Canada within our Community Based monitoring team. I am bit of a fly on the wall in this meeting to report back to Ocean Networks. We already have a number of links with communities - some with observatory based monitoring (Cambridge Bay), some mobile CTD monitoring with multiple piggyback sensors (Iqaluit) and also we house all the Coast Guard AIS data and can help with access, along with work with a number of communities to establish with AIS receivers to help monitor vessel traffic in Arctic communities. Our aim is to work collaboratively with communities to develop proposals and support the process for ocean monitoring and can provide training and instrumentation in cases, along with data housing and quality control. [lucimm@uvic.ca](mailto:lucimm@uvic.ca)

**Parks Canada Nunavut Field Unit** information: [maryse.mahy@canada.ca](mailto:maryse.mahy@canada.ca) For terrestrial sites, our priority area remains glaciers, especially work that can remotely augment our mass balance programs and give information about areas of interest to Inuit, potential examples - increased flow/safety issues. For marine research, it is unfortunately too early to flag specific priorities as these need consideration with partners (work pending in the coming year to resolve this). In the meantime the most that could be flagged are the topics mentioned before on ice breaking, underwater noise, and vessel traffic.

Hi its **Donald McLennan** from Arctic Research Foundation - my email is [donald@arcticresearchfoundation.ca](mailto:donald@arcticresearchfoundation.ca) - you will see the link to our website in Tom's chat post above - that website has all the ship specs and lots of other interesting info

**CJ Mundy**: Biological Oceanographer, University of Manitoba, I am interested in physical and biological processes that drive primary production in the Arctic Ocean. I need to leave, but if you would like to contact me, my email is [cj.mundy@umanitoba.ca](mailto:cj.mundy@umanitoba.ca)

Hi, my project has a tentative title: 'Mineral dust emissions across the Nunangat and their impact on, clouds, climate and human health'. I think there is a great deal of mineral dust in Nunangat and this impacts health (silicosis and respiratory issues). I am looking for an air quality/epidemiologist or atmospheric scientist to partner with. [b.j.murray@leeds.ac.uk](mailto:b.j.murray@leeds.ac.uk)

Hi, I'm **Tanya O'Garra**, environmental economist with expertise in impact evaluation and experimental methods. I'm particularly interested in i) impact evaluation of marine and/or conservation areas on Inuit wellbeing, through increasing resilience of ecological systems and ii) valuation of ecosystem services provided by Arctic ecosystems

Hi everyone, I am **Bryony Onciul**, Associate Professor of Museology and Heritage, University of Exeter. I am interested in upholding Indigenous heritage rights, and the importance of cultural practice, place, ecosystems and wellbeing. I am interested in working with local priorities to

understand this in relation to efforts towards decolonisation and mitigation of environmental and climate change. I am currently working with communities and partners in BC, Canada. I have previously worked with communities and partners in Alberta Canada, South Pacific, and UK. [B.a.onciul@exeter.ac.uk](mailto:B.a.onciul@exeter.ac.uk)

Hello everyone, I'm **Jessica Penney** an Inuk final year PhD researcher based at the University of Glasgow in Sociology. My family is originally from Nunatsiavut but I was raised in Nunavut and have research experience in both regions. My work generally focuses on Inuit health (broadly understood in a Social Determinants of Inuit Health framework) and considers intersections with environmental change and colonialism. I am mostly here today just to learn about the research programme.

Hi all. I am based at the **Centre for Polar Observation and Modelling** at UCL (London) and I am putting together a consortium for theme 2 to look at our satellite products of thickness/roughness for supporting local communities. I put together a quick page showing our product here <https://github.com/mimi1981/InuitNunangat> . I am also happy to support other bids in providing forecasting tools as well as polar satellite products (i.e. for informing marine transportation, climate change, weather and sea ice forecasts).

**Heather Rumble**: Soil ecologist, interested in changing soil biodiversity with environmental change. I represent a group at Uni of Portsmouth (UK) who have expertise in wildfire, glaciers and environmental change in mountain regions. We're looking for partners with expertise in cultural geography and/or citizen science.

Proposal idea for this call... Based on a recent project on trace gases from an oligotrophic lake (<https://www.nature.com/articles/s41598-017-18923-5> ), we realised that arctic lakes, in comparison to terrestrial environments, may be substantial sources of climate-active gases that affect air quality and, hence, human health. So far, we know very little about gases from lakes other than methane. Ongoing warming will make northern Canada a very important source of these gases that extend the life-time of GHG. Get in touch if interested to collaborate: [msteinke@essex.ac.uk](mailto:msteinke@essex.ac.uk) Expertise: Aquatic trace gases and their effect on climate and human health. Looking for (like many I suspect) local partners. [msteinke@essex.ac.uk](mailto:msteinke@essex.ac.uk)

**Li-Lin Tay** of NRC-Metrology RC. We are a team of optical spectroscopists and lighting specialists. Interested in partnering in environmental monitoring and use of energy efficient lighting for health and food production. I can be reached at [lilin.tay@nrc-cnrc.gc.ca](mailto:lilin.tay@nrc-cnrc.gc.ca)

Hi! **Andrew Tanentzap**, Professor at University of Cambridge. Ecosystem ecologist with very broad expertise in measuring how biodiversity, carbon sequestration, and water quality respond to climate change. Use eDNA approaches heavily in my research that could support other projects on Arctic

Hi I'm **Nancy Wachowich**, University of Aberdeen, Scotland. Social Anthropologist. Hoping to work on issues of food security. I've collaboratively on different projects for quite a few years with people in Mittimatalik.

**Hannah Wauchope**, Uni of Exeter. I'm a conservation ecologist with expertise in modelling species and ecosystem responses to change, esp climate change, in both the past and future. I'm interested in modelling how species respond to change in the future, and would love to know how (if) this kind of work could be useful to communities and to connect with community members to figure out the best questions to ask

**Isobel Yeo**: I'm a marine geologist and geochemist representing a group of people at the National Oceanography Centre (UK) (we have expertise in marine mapping, rock/sediment/fluid geochemistry, reaction transport pathways, marine pollutants and ocean circulation). I'm

interested in mining pollutants, their pathways into waterways and their dispersal and eventual sinks in the oceans. I am also interested in the stability of these sinks as we see the impacts of climate change - the Arctic is seeing the effects faster than anywhere else, so this has global importance. I'm looking to partner with anyone interested in mining impacts and water quality (including drinking water), other pollutants, and/or the potential risks pollutants pose to foodwebs as well as social scientists that can help with engagement with communities and integrating non-quantitative observations into understanding mining impacts

**Li-Lin Tay** of NRC-Metrology RC. We are a team of optical spectroscopists and lighting specialists. Interested in partnering in environmental monitoring and use of energy efficient lighting for health and food production. I can be reached at [lilin.tay@nrc-cnrc.gc.ca](mailto:lilin.tay@nrc-cnrc.gc.ca)

## **Theme 2 – Breakout Group A to L**

From **Ed Owens** to Everyone: 05:16 PM

I am Ed Owens, have worked in the Canadian Arctic for 50 years and my specialty is oil spill response and preparedness. Currently working for DFO on a shoreline project and a potential Arctic Council EPPR project - looking for Inuit and university partners

From **Ronald Pelot** to Everyone: 05:23 PM

I am Ron Pelot, a Prof in Industrial Engineering at Dalhousie University, Halifax Nova Scotia. I specialize in maritime traffic and risk analysis. I am interested in the impact of maritime transport on northern communities (including food security), and have considered associated climate change variables (ex. longer navigation season in the Canadian Arctic, etc.). I am interested in finding collaborators who specialise in the social science side of food security, as I (with others) can consider the logistics aspects. <https://www.maritimeriskandsafety.ca/>

From **Michel Tsamadou** to Everyone: 05:28 PM

Hi all. I am based at UCL (London) and I am putting together a consortium to look at our satellite products of thickness/roughness for supporting local communities. I put together a quick page showing our product here <https://github.com/mimi1981/InuitNunangat>. I am also happy to support other bids in providing forecasting tools as well as polar satellite products (i.e. for informing marine transportation, climate change, weather and sea ice forecasts).

From **Mathieu Bendouma** to Everyone: 05:30 PM

For those who didn't understand at all my ugly english, I'm specialized in thermal engineering and working as postdoctoral fellow at Ecole de Technologie Supérieure de Montreal. We are actually working with Cemafroid in order to develop a optimized container for food and pharmaceutical transport.

From **Henry Burgess** - UKRI BAS to Everyone: 05:34 PM

<https://cinuarc.meeting-mojo.com/>

From **Will Perrie** to Everyone: 05:35 PM

Based at Bedford Inst. Oceanography and Dalhousie U., in Halifax, Canada. Interested in applications of models for ocean waves, ocean and ice, for marine storms, and also present climate and future climate. Also satellite data from Canadian RADARSAT synthetic aperture radar for sea ice conditions, and ocean conditions etc. also for marine transport, oil spill detection, marine winds etc. [William.perrie@dfo-mpo.gc.ca](mailto:William.perrie@dfo-mpo.gc.ca)

From **Sara Mynott** to Everyone: 05:40 PM

Hi All, I'm a Knowledge Broker & postdoc based in the Marine Ethnoecology Lab at University of Victoria (also affiliated the Centre for Marine Socioecology, University of Tasmania). My expertise is in enabling and facilitating co-design, and bridging gaps between diverse groups and

disciplines. I am particularly interested in community-led work and enabling climate adaptation in coastal regions. I'm going to cross-pollinate with the other group, but am keen to connect and follow up on some of the threads around changes to shipping in the region ([saramynott@uvic.ca](mailto:saramynott@uvic.ca)).

From **elena.difrancesco**@cnrc-nrc.gc.ca to Everyone: 05:57 PM  
[elena.difrancesco@nrc-cnrc.gc.ca](mailto:elena.difrancesco@nrc-cnrc.gc.ca)

From Me to Everyone: 05:58 PM  
<https://cinuarc.meeting-mojo.com/>

From Keith Chaulk to Everyone: 05:58 PM  
<https://cinuarc.meeting-mojo.com/>

### **Theme 2 – Breakout Group M to Z**

From **Michel Tsamados** to Everyone: @micheltsamados  
Hi all. I am based at UCL (London) and I am putting together a consortium to look at our satellite products of thickness/roughness for supporting local communities. I put together a quick page showing our product here <https://github.com/mimi1981/InuitNunangat>. I am also happy to support other bids in providing forecasting tools as well as polar satellite products (i.e. for informing marine transportation, climate change, weather and sea ice forecasts).

From **Natalie Noël** to Everyone: Please make sure you sign-up to the collaboration platform in order to share your research interests, background and contact info: <https://cinuarc.meeting-mojo.com/>

**SIKU** - The Indigenous Knowledge Social Network Facilitating self-determination in research, education and stewardship for Indigenous communities. SIKU is a mobile app and web platform by and for Inuit which provides tools and services for ice safety, language preservation and weather. <https://siku.org/>