

GREENLAND GUIDE 2022

Battelle Arctic Research Operations
<https://battlearcticgateway.org/>

Updated February 2022

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Greenland Guide

The *Greenland Guide* is for researchers planning fieldwork in Greenland. Topics are chronological: planning, travel to Greenland, fieldwork, and return. Contact the science project manager (PM) for additional information on any topic.

COVID-19 update

Since March 2020, travel to Greenland for research and operations has been hindered by the COVID-19 pandemic. Significant requirements have been introduced by NSF and Greenland that impact fieldwork. The Battelle Arctic Research Operations (B-ARO) science project manager will provide current information regarding travel to Greenland, which may supersede information within this guide

Current information on Greenland travel restrictions:
<https://visitgreenland.com/articles/corona-virus-status/>

The NSF has published information regarding COVID-19 and research:
https://www.nsf.gov/news/special_reports/coronavirus/

Additional questions can be answered by Battelle ARO contacts within this guide.

Greenland, the World's Largest Island

Greenland measures more than 1.3 million square kilometers (roughly 1.5 times the size of Alaska). More than 80% of the land is frozen beneath an ice sheet that reaches a thickness of three kilometers. Greenland's National Park is the largest protected national park in the world and covers roughly one-third of the island in the northeast.

The indigenous people of Greenland are Inuit, whose roots trace to the native inhabitants of Canada's Arctic and further back to the people of Alaska. Greenland's coastal regions are sparsely populated with ~56,421 people, 85% of whom are Inuit.

Battelle ARO Services in Greenland

Battelle ARO operates under a contract with the U.S. National Science Foundation (NSF) to provide logistics support for NSF-sponsored research projects, as well as projects funded by other research agencies. <https://battlearcticgateway.org/>

Battelle ARO services in Greenland include:

- ✦ Logistics support (transportation, air support, cargo movement, and facilities management)
- ✦ Field camp management and staffing
- ✦ Military travel, base, and area clearances
- ✦ Lodging and arrangements

- ✦ Support coordination with appropriate agencies and contractors in Greenland

During the field season (April – August), Battelle ARO coordinates support from a logistics hub in Kangerlussuaq.

While in Greenland, participants are guests of the Government of Greenland, and work under the auspices of the NSF. This arrangement is facilitated by a cooperative relationship between the NSF and Government of Greenland agencies. In the event of issues, notify Battelle ARO for assistance to maintain clear communication with our Greenlandic hosts.

Science Projects

Project Approval/Permits

Science teams planning to work in Greenland must comply with all permitting requirements of the Government of Greenland. An overview can be found on the Ministry of Nature, Environment and Justice website: <http://naalakkersuisut.gl/en/About-government-of-greenland/Travel-activities-in-remote-parts-of-Greenland>

Projects working at Summit Station (or within Summit area allotment boundaries) are included under the Summit group permit, acquired annually by Battelle ARO. However, Summit area projects must also submit a sub-permit application independently.

Project Summaries and Season Plans

When Battelle ARO is notified that a scientist has been funded and will require assistance for Greenland research, a project record is created in our arctic research information database. Battelle ARO sends a project summary to the principal investigator (PI) and assigns a Science Project Manager (PM) to the project.

As the planning season begins, the PM will work closely with the PI (or designee) to develop a support plan for the field season which is documented in a season plan and provided to the NSF for review prior to Greenland deployment.

Before Departure for Greenland

Physical Qualification Process

Researchers participating in NSF-sponsored fieldwork at remote field locations for an extended period must physically qualify (PQ) annually. Requirements vary based on location and duration of stay. Approval must be received prior to departure.

The PM will confirm if a PQ is required and gather information to initiate the process. PQ forms are provided via email. PQ includes physical and dental examinations, related

forms and submission for approval. Allow 6-8 weeks from initial request to PQ determination. All required forms must be received no later than 6 weeks before scheduled departure to field.

Directions for submitting test results and forms will be included with the PQ packet. Keep personal copies in case of questions or delays.

Arctic and Antarctic PQ Compatibility

Exemption from further medical examination may be granted if the candidate physically qualified for the U.S. Antarctic Program during the previous year. The medical contractor will make this determination. For questions regarding PQ process, contact Kim Derry at Kim@polarfield.com

Passports

Participants traveling to Greenland must carry a valid passport. Passports are available through the U.S. State Department and many Post Offices can process initial applications. It takes approximately eight to eleven weeks. A valid passport is required prior to initiating the travel-clearance process with Battelle ARO. **All participants must carry passport, one passport copy, and one other form of picture identification for travel to Greenland.** Six months of passport validity from the end of international travel is highly recommended.

<https://travel.state.gov/content/travel/en/passports/apply-renew-passport/faqs.html>

Non-U.S. Passport Holders

The Visa Waiver Program **does not** apply to military flights. Anyone without a U.S. or Canadian passport must have a valid Resident Alien Card (known as a green card) or **visa** to exit or enter the US. All field team members carrying foreign passports to/from Greenland via military aircraft must provide proof of visa status in addition to a valid passport. Provide visa type and numbers to the PM at least four weeks prior to deployment. Requirements are subject to change: confirm status with the PM if you will travel with a foreign passport.

Six months of passport validity is highly recommended for international travel.

Some countries require a visa to enter Greenland: <https://www.nyidanmark.dk/en-GB/Applying/Short%20stay%20visa/Visa%20for%20Greenland%20and%20the%20Faroe%20Islands>

Military Clearances

Regardless of entry point into Greenland, Battelle ARO processes a military clearance for all participants which allows the use of military transportation and facilities if required. Battelle ARO requires all participants to submit name, passport number, passport expiration date, citizenship with place of birth, and date of birth at least four weeks before deployment. The PM will work directly with the research team to gather this information. **It is the responsibility of the participant to notify the PM of any changes prior to deployment, including travel with a new or different passport.**

Money

Currency in Greenland is the Danish Kroner (DKK). U.S. credit/debit cards with chip/pin technology are accepted and standard. Travelers checks are not accepted. An ATM is available at the Kangerlussuaq airport.

Insurance

Researchers must confirm with their home institution that they have appropriate insurance coverage for the Greenland deployment. For personal travel in or outside of Greenland, additional traveler's insurance coverage is recommended.

Search and Rescue (SAR)

Research parties intending to work in the remote field must carry the following insurance coverage (in addition to the remote travel permit):

Type:	Coverage in DKK	Coverage Unit:
Search and Rescue (SAR)	DKK 1,000,000	Per project
Evacuation (ambulance) transport for expeditions traveling south of latitude 78°	DKK 280,000	Per person
Evacuation (ambulance) transport for expeditions traveling north of latitude 78°	DKK 600,000	Per person

Check conversion rates at <http://www.xe.com/>

NSF will cover SAR costs through U.S. Government self-insurance for NSF-funded scientists who do not have this coverage available through their institution or other policies. NSF submits a list of projects to which this coverage applies to the Government of Greenland.

Researchers are responsible for their own evacuation (ambulance) insurance, which covers transport from the field location to the nearest hospital within Greenland (or possibly Iceland.) Many universities and institutes carry evacuation insurance for their employees. It is the researchers' responsibility to determine with their institution's Risk Management office if their group has appropriate coverage. Researchers should pursue an evacuation insurance policy for their project team, an allowable cost in their NSF grant.

Harassment / Code of Conduct

NSF-supported Arctic Research field sites, camps and stations are managed by Battelle ARO using the following guidelines. Professional conduct and acceptable behavior are mandatory for participants during work and non-work hours. Participants are expected and required to work cooperatively, to treat others with dignity and respect, to follow the site-specific policies and procedures, and to contribute to a safe work and living space at all times.

The Battelle ARO site manager has the responsibility and authority to address behavior issues and may remove from a field location any participant who is exhibiting unacceptable behavior.

This includes but is not limited to harassment, alcohol misuse, unsafe work behavior and not following the site-specific policies and procedures.

Please review NSF's harassment policy: <https://www.nsf.gov/pubs/issuances/in144.jsp?org=NSF>

Cold Weather Gear Requirements - What to Pack

Researchers provide their own cold weather clothing, boots, and sleeping bags. Weather conditions vary widely with location and latitude in Greenland. Select suitable cold weather clothing based on the research location.

The most important rule for arctic work is to stay dry and warm. For further recommendations on what to pack, consult the Battelle ARO PM.

Transporting Cargo to Greenland

The cargo system is used to send science project cargo. Participants must meet deadlines to ensure on-time delivery of cargo to the field. Researchers must notify the PM of all cargo shipments, including cargo shipped on commercial airlines. Battelle ARO will arrange for the receipt and transportation of cargo to the appropriate location in Greenland.

Cargo Tracking System

The PM will provide the **2022 Cargo Tracking System Bulletin**. Battelle ARO uses a web-based program to monitor and track cargo. All cargo shipped to Greenland must be recorded in the system, which tracks the progress of cargo from its origin to its Greenland field site destination.

Researchers receiving Battelle ARO support will receive login and password information. It is the researcher's responsibility to ensure all inbound and outbound shipments are accurately entered into the system.

For questions on shipping, priorities, flights, or cargo, contact the Battelle ARO cargo representatives in New York at Dino@Polarfield.com or via telephone at 518-344-2635 (office) or 518-364-6975 (Dino Guthrie cell).

Cargo Shipping Lead Times

The PM will provide the **2022 ANG Customs & Shipping Information Bulletin**, which outlines cargo requirements. The 109th NYANG airlift schedule provides current information regarding Greenland departure dates and is posted on the Cargo Tracking System site.

If science cargo ships to Greenland from a location other than Stratton ANGB, the PM will provide shipping address and timelines.

U.S. Customs and Border Protection Requirements

The PM will provide the **2022 ANG Customs & Shipping Information Bulletin**. U.S. Customs and Border Protection (CBP) strictly enforces requirements for cargo leaving and entering the United States. **The best way to ensure that southbound cargo is not held by CBP in Scotia is to register it before it leaves the U.S.**

Shipping Information: Labeling Cargo

The cargo system will generate standard shipping labels. Attach one label to the side and one to the top of the container. Special handling labeling:

- Stencil "Do Not Freeze" onto the piece of cargo to prevent damage.
- Stencil "Keep Frozen" adjacent to the right side of the shipping label.
- Hazardous Material must be marked in accordance with the applicable regulations as detailed in the Hazardous Cargo section. The border of the label must be marked in red to clearly identify hazardous materials during transport.

To expedite delivery to field sites, all cargo is segregated by type (normal, hazardous, special handling) and destination. Do not mix cargo of different types or destinations in the same container to avoid delay or added expense. Researchers continuing to Summit Station will not have access to their cargo in Kangerlussuaq. If access is needed, arrange it in advance with the PM prior to the northbound flight.

Shipping Information: Packing Slips

The cargo system generates a cargo packing slip for each container, listing the tracking control number (TCN) and contents including approximate dollar values. Place one copy of the packing slip in an adhesive sleeve and fasten it to the outside of the container. Place additional copies inside the container and keep on file.

Do not remove the TCN paperwork from packages upon receipt in Greenland. The "return" function can be utilized for the same TCN when they are shipped south, which facilitates customs processing.

Hazardous Cargo

Hazardous cargo must be packed and labeled according to Code of Federal Regulations Title 49 parts 100-199 (CFR-49), Air Force Joint Manual AFMAN 24-604 and International Air Transportation Association (IATA) Dangerous Cargo Regulations. It is the sole responsibility of the individual shipper to ensure hazardous cargo is packaged appropriately and has the proper documentation. If shipping via ground transport to Stratton ANGB, hazardous materials

must be packed according to the CFR-49 regulations and be prepared for air transport by the shipper. If shipping via air to Stratton ANGB follow International Air Transportation Association and CFR-49 regulations. If required, military certification is completed at Stratton ANGB or in Greenland by Battelle ARO staff.

Obtain five copies of the Safety Data Sheet (SDS) (available from vendor) for each hazardous material being shipped. Distribute one each:

- inside the container.
- included with the shipper's documents.
- filed in the site SDS binder.
- kept on site with the material.
- given to a Greenland Battelle ARO staff member for use during retrograde shipping.

Greenland Import Taxes and Customs Law

All participants are required to abide by Greenland import and customs laws. Review rules regarding importation of alcohol prior to travel. Rules are subject to change. Information on customs and Greenland FAQs: <https://visitgreenland.com/plan-your-trip/#practical-info>.

The Greenland government levies special import taxes on certain goods brought into the country. Contact the Greenland tax ministry to receive the current import tax information: Greenland Ministry of Finance, Phone: (+299) 34 50 00, Email: tax@nanoq.gl

Personal Baggage, Excess Baggage and Skis

The PM will provide the **2022 ANG Travel Bulletin**, which outlines baggage requirements. Excess baggage requests must be coordinated with the science PM at least one week in advance of deployment. Commercial airline baggage fees may apply for travel to Albany.

Include properly bagged and labelled skis in the cargo shipment delivered to Stratton ANGB, or hand-carry as you travel.

Travel to Greenland

All participants travel to Greenland by air on either military or commercial aircraft. The quickest mode of transport from the U.S. is via the New York Air National Guard (109th NYANG) from Stratton ANGB in Scotia, New York. Commercial flights are available with varying schedules:

- Copenhagen > Kangerlussuaq via Air Greenland (<http://airgreenland.com>)
- Reykjavik > Ilulissat and Nuuk via Iceland Air. (<http://www.icelandair.us/>)
- U.S. > Reykjavik via Iceland Air. (<http://www.icelandair.us/>).

Participants destined for Thule, Greenland, will follow a different travel path. For specifics on these flights, contact Tracy Sheeley (sheeley@polarfield.com) or Kyli Cosper (kyli@polarfield.com).

Preparing for the New York Air National Guard Flights

The PM will provide the **2022 ANG Travel Bulletin**, with instructions on travel arrangements and day of flight information. Plan to fly into Albany International Airport (ALB), New York the day prior to the 109th NYANG flight to Kangerlussuaq.

The Flight North

Passengers must bring passport and another form of picture identification (i.e., driver's license.) The flight to Greenland is on military aircraft out of Stratton ANGB in Scotia, New York.

Passengers will check in with the 109th representative who will check ID and any other applicable forms (form I-94 for participants who are not U.S. citizens; SEVIS forms for those who are students or family members of students). A pre-flight briefing will be provided.

Arriving in Kangerlussuaq, Greenland

Researchers will be transported to the KISS building. Dinner and a briefing will be provided upon arrival.

Stay in Kangerlussuaq

Battelle ARO operations offices are located at the Kangerlussuaq International Science Support (KISS) facility (Rm 104). Warehouses are in buildings 415 and 416 (offices, field gear, comms equipment, and cargo services.) The Battelle ARO Kangerlussuaq Site Supervisor is the point-of-contact and liaison with vendors and local/national government agencies.

Support Services

Battelle ARO provides a variety of services in Kangerlussuaq, including:

- ✦ Lodging and meals for transiting personnel.
- ✦ Office and administrative services: scan/copy/fax, secure storage for documents and baggage, and mail forwarding.
- ✦ Communications: emergency and business-related phone calls, Internet, and HF radio.
- ✦ Remote-camp support: daily telephone, email, radio contact to remote sites, flight scheduling, passenger and cargo movement, and weather information.
- ✦ In-country travel arrangements: bookings for commercial domestic flights, arranging special fixed-wing or helicopter charters, truck rentals and hotel information. These requirements must be identified to the PM during the planning phase before arrival.
- ✦ Warehouse facilities: indoor/outdoor storage, limited freezer/keep chilled storage.
- ✦ Shipping and receiving packaging and labeling materials, freight forwarding, and receiving.
- ✦ Flight staging areas and cargo handling: cargo transport between aircraft and warehouse, heated space for building pallets and storage, and airport ramp access.
- ✦ Shop facilities: equipment for woodworking, vehicle maintenance, plumbing. Access to local fabrication and repair shops. Facilities are limited, and all fabrication or tool requirements should be identified with the PM before arrival. Use of any shop equipment requires a safety orientation.
- ✦ Fuel: access to local bulk fuels. Requirements are identified with the PM during the planning process.

Transportation

Options in Kangerlussuaq include walking, bicycles, vehicles, local bus, and taxis. Battelle ARO maintains a vehicle fleet and driver training is required.

Room and Board

Researchers are housed in the KISS facility. KISS has two-person dorm-style rooms. KISS bills per person, not by room, so all researchers can expect to have a roommate. Please be respectful of colleagues and their research. Room check-out time is posted. Other local accommodations are available at participant's expense.

NSF policy for any field location where NSF funds cover lodging:

NSF only pays for KISS lodging when researchers are working on their funded science project, with the understanding that the team may take a few days off **during** the field season. If a team member is on personal leave or departs Kangerlussuaq for another Greenland destination, NSF will not pay for the room. Battelle ARO can store gear temporarily to allow research team members to vacate their rooms. Personal travel expenses, including accommodations at KISS, are not included in the support budget. Any exceptions require NSF approval: provide the details of the request and a justification to the project manager to request a departure from this payment policy.

Meals are paid out of pocket by researchers. The PM will outline the process prior to deployment. There is a grocery store and restaurants in Kangerlussuaq. Vegetarian options are limited. A list of local options and hours of operations is posted.

KISS communal areas include: two lavatory/shower suites, two kitchens, a lounge, a meeting room, and research workspaces. Research workspaces are shared and coordinated through the KISS Manager (not Battelle ARO.) KISS offers a few items to assist in lab work: fume hood, running water and centrifuge. KISS has 120v @ 60Hz Type A plugs (North American style) and 230v @ 50Hz Shuco plugs available (Danish style).

Computer/Internet/E-mail

Wireless Internet is available for Battelle ARO-supported participants staying in the KISS building. Bandwidth is limited and science and work activities take priority over personal use. Disable auto-update features, cloud services, data synchronizing applications, podcast subscriptions and other passive bandwidth uses on all devices. Place devices on 'airplane mode' when not in use. If science outreach is planned while in Kangerlussuaq, please notify the Battelle ARO Ops Office in advance to coordinate.

Telephone

Official project-related and/or emergency calls can be made via Battelle ARO commercial telephone service. International calls are monitored carefully to manage expenses. Personal international calls are not permitted -primary communications occur via internet.

Recreation and Shopping

A gym building near the KISS facility offers activities including swimming, weightlifting, and other sporting activities. There is a nominal fee.

Retail in Kangerlussuaq includes the Pilersuisoq, which offers a limited amount of Danish food, clothing, sporting goods, housewares, liquor, beer, and wine. There are also several gift shops.

Weather

Weather in the Kangerlussuaq area is often cold through May, and snow is always a possibility. June, July, and August are normally temperate, ranging from 40°F to 70°F. Cool rain is common in summer months, so layer clothing for a wide range of temperatures. Arctic mosquitoes infest the coast during June and July. Mosquito nets and insect repellent are necessary. Sunscreen is also recommended.

Traveling within Greenland

Battelle ARO arranges transportation to and from remote camps for groups continuing to field sites. The NYANG provides heavy-lift services with ski-equipped Hercules LC-130 aircraft. Battelle ARO also arranges air support as required using ski-equipped Twin Otters or helicopters. Flight requirements must be communicated to the project manager during the planning process.

The following sections provide an overview of three permanent locations that researchers visit: Thule Air Base, Camp Raven, and Summit Station. Participants visiting other remote sites work closely with Battelle ARO to determine requirements for structures, fuel, equipment, gear, etc. Site guides posted at: <https://battlearcticgateway.org/>

Thule Air Base

Battelle ARO routinely supports researchers working out of Thule Air Base, an active U.S. Air Force Base. Clearances are required for entry to the facility. Battelle ARO obtains the clearances. Thule is accessed by weekly Air Mobility Command (AMC) flights, scheduled 109th NYANG flights, or commercial flights through Copenhagen and Kangerlussuaq. Passengers traveling on any of these flights require clearance.

Participants stay in Bldg. 345 or transient lodging and eat meals in the base dining facility. Researchers are required to pay for meals. Please review the *Thule Guide*. For questions regarding Thule, contact Tracy Sheeley at Sheeley@polarfield.com or Kyli Cosper at Kyli@polarfield.com

Raven Camp

Raven Camp is a prepared skiway and alternate landing area located at 66° 29' North by 46° 17' West, at just under 7,000 feet elevation. Raven is located close to the “equilibrium zone” on the ice sheet, where snow melting and ablation are roughly equal to accumulation. The camp is used for NYANG training and can provide limited support for science research projects. This facility is staffed only during the boreal summer months. For questions regarding Raven, contact Tracy Sheeley at Sheeley@polarfield.com.

Summit Station

Summit Station is a year-round science support facility, located near the apex of the ice sheet inside the southern boundary of the North-East Greenland National Park. The elevation is 10,530 feet and the effective pressure altitude ranges from 1,000 to 12,500 feet. Recorded temperature extremes since 2009 range from -89°F in the winter to 34°F in the summer. Winds in the summer are generally mild but can exceed 40 knots during storm events. Major storms can occur in winter, with wind speeds recorded more than 70 knots. Please review the *Summit Guide*. For questions regarding Summit, contact Sam Dorsi at Sam@polarfield.com

Leaving Greenland

Participants departing Greenland typically transit through Kangerlussuaq. Battelle ARO staff assist with cargo and will provide updates on onward travel home and related requirements for checked baggage, ANG passport verification on the day prior to travel.

Items Banned in the United States

Many items routinely found for sale in Greenland are illegal to import into the U.S.
<https://www.cbp.gov/travel/us-citizens/know-before-you-go/prohibited-and-restricted-items>

Accompanied Cargo and U.S. Customs

Participants returning to the U.S. via the 109th NYANG will fill out a form (distributed by ANG) for accompanying cargo that was generated in the U.S. and is worth less than \$2,000 U.S. per item.

Cargo that was not registered prior to being sent to Greenland (i.e., equipment that was used in Greenland before registration became a mandatory part of the outbound-cargo process), must be listed on the form. Cargo repaired or altered in any way while abroad is subject to duty on the repairs or alterations.

The 'return' function is used in the cargo system to facilitate re-entry to the US. Leave original tracking labels on all cargo packages while in Greenland.

Customs officials will meet the aircraft at Stratton ANGB. *For more information, refer to the U.S. Customs and Border Protection website at <http://www.cbp.gov>.*

Unaccompanied Return Cargo

All cargo, except for personal baggage, returns from Greenland to the U.S. when space is available on NYANG flights. Researchers are responsible for payment for cargo shipment charges from Stratton ANGB to the home institution. Battelle ARO schedules retrograde shipments from Stratton ANGB to the researcher's home university in a timely manner. Contact the Battelle ARO cargo representatives by email at ARO-nycargo@Polarfield.com or by phone at 518-344-2635 (office) or 518-364-6975 (cell) to discuss shipping details and priorities.

Registered Retrograde Cargo

Cargo registered prior to shipment to Greenland will have paperwork already generated for reentry to the U.S. Two forms need to ship with unaccompanied cargo:

- 1) Completed Certificate of Registration Form 4455.
- 2) Detailed, **signed packing list including a statement as follows:**
The above articles were exported from the United States on _____, by _____ (actual shipper address). Said articles were exported solely for temporary scientific purposes and for no other use abroad than for exhibition, examination, or experimentation, and they are being returned without having been changed in condition in any manner.

For participants departing from Kangerlussuaq to the U.S. via the NYANG, onsite Battelle ARO staff can assist with preparing unaccompanied cargo and forms.

Unregistered Retrograde Cargo

Unaccompanied cargo shipments to the U.S. that were not registered prior to being sent to Greenland (for example, equipment used in Greenland before registration became a mandatory part of the outbound-cargo process), require an **Entry and Manifest of Merchandise Free of Duty, Carriers Certificate and Release** (Customs Form 7523). Download this form from the CBP website at <http://www.cbp.gov>.

Battelle ARO Assistance with Customs Declarations

Battelle ARO can provide Customs declarations overview information and refer participants to other sources for answers to more detailed questions. Contacts are as follows:

Kangerlussuaq: ARO-kangerops@polarfield.com
Stratton ANGB: Dino@polarfield.com

Homeward from Stratton Air National Guard Base

Participants are advised to book flights from Albany departing no earlier than 5:00 P.M. The 109th NYANG flights generally land at Stratton ANGB around 12:30 PM. However, winds, mechanical problems and unforeseen events can cause delays. After aircraft arrival you must clear customs, reclaim baggage, and travel about 30 minutes to the Albany airport.

Battelle ARO representatives at Stratton will arrange transport to the Albany airport. Passengers are responsible for fares.

Other Topics

How to Reach You in Greenland

Location	Telephone
PFS Denver Headquarters	Voice: 303.984.1450 Emergency: 303.325.1745
Kangerlussuaq	Voice: +299.84.15.98 Emergency: +299.52.42.18
Summit Station	Voice: 321.953.9650

Letter Mail

Letter mail from the U.S. for a Greenland program participant can be sent via Battelle ARO at Denver Headquarters or Kangerlussuaq for forwarding:

Denver Mailing Address

Battelle ARO

Attn: *Participant's Name*

861 SouthPark Dr., Suite 400

Littleton, Colorado 80120 USA

Kangerlussuaq Mailing Address

Battelle ARO

Attn.: *Participant's Name*

Postboks 1015

DK-3910 Kangerlussuaq GREENLAND

Letter mail from Greenland to the U.S. can be provided to Battelle ARO staff with proper postage for forwarding. This mail will post from Scotia, New York. Use the Greenland postage system for all other outgoing mail.

Package Mail

The PM will provide the **2022 Cargo Tracking Systems Bulletin**. Use the cargo system to send package mail to Greenland via to New York. Package mail can be sent to the U.S. from Greenland on the 109th ANG flights. Participants can send accompanied or unaccompanied packaged mail directly to the U.S. Proper customs forms must be completed and sent with the package(s). Researchers who intend to ship freight commercially through Copenhagen to the U.S. must develop a shipping plan prior to the trip to Greenland.

Recreational Travel

Participants are responsible for food, lodging and transportation arrangements if staying in Greenland for personal reasons following fieldwork. Participants are not covered under program insurance while on personal travel. Participants must notify their Project Manager prior to deployment if post season travel is anticipated.

Protection from Wildlife

Some animals in Greenland can be dangerous when provoked. Polar bears are present in coastal areas and may roam inland. Walrus have been known to attack small boats, and musk oxen and caribou will charge if approached too closely. Most authorities agree that human/animal interactions are often largely in the control of the person. By practicing appropriate behavior and being prepared, the risk of having a negative experience can be reduced. The Battelle ARO PM will include wildlife interactions as part of the risk assessment and can provide further documentation and trainings as appropriate.

Participants working in polar bear ranges areas may wish to carry firearms. Contact the PM for information resources and NSF expectations when groups intend to carry a firearm.

An application to transport firearms in Greenland may be required for filing with the Chief of Police. You can download the firearm application form from www.naalakkersuisut.gl/expeditions, permit must be obtained from the Chief Constable of Greenland politi@politi.gl

Environmental Protection and Conservation

Principles of Conduct

Much of the Greenland coast is populated. As a guest in these communities, researchers are often seen as emissaries of *all* researchers or scientists. Researchers must take care to respect private land and subsistence users. It is the responsibility of the researchers to know in advance whose land is being used for research, usage rules, and permits requirements.

Refer to the National Science Foundation Office of Polar Programs website <https://www.nsf.gov/div/index.jsp?div=opp> for more information on the principles of conduct for arctic research. The arctic environment is very sensitive to pollution. Researchers must conscientiously obey Government of Greenland legislation pertaining to research projects. Current and updated information on legislation is available at the [Government of Greenland website](#).

Program participants must not disturb archaeological relics and/or ruins. Special regulations are in force for the North-East Greenland National Park and other designated areas. Refuse dumping is prohibited. Expeditions may not camp near actual or potential breeding sites for birds of prey.

Greenland is home to three UNESCO (United Nations Educational, Scientific and Cultural Organization) sites: <https://visitgreenland.com/about-greenland/unesco-sites/>

Although no environmental impact statement is required for science projects, Greenland authorities scrutinize all project data forms for potential harm to the environment. Projects can be rejected or restricted based upon adverse environmental impact. Researchers should obtain advice on local conservation regulations from the police authorities in the proposed study area. NSF participants are expected to follow all applicable regulations, and to carry out field research with minimal environmental impact.

Collecting Samples

Any type of sampling activity must be approved by the appropriate agency before the project's start. Regulations for specific types of samples are listed below. See the Government of Greenland site > [Procedures and Forms](#) for links to sampling forms.

Hunting and Fishing

Hunting/fishing licenses and information on season dates is available from the local Post Office.

Suggestions for Improvement

The *Greenland Guide* is edited annually. Please note any inaccuracies, omissions, or invalid links, and send them to Sheeley@polarfield.com