



Hello November!

We recently wrapped up the second workshop in our [Cyber2A](#) award, bringing 29 scientists and educators to NCEAS in Santa Barbara to develop shared frameworks for teaching in AI and machine learning. Keep an eye out for new resources created by this group!

Applications for our 2026 data science training have officially closed, and decisions will be shared with applicants by the end of the month. Our team will also be attending the upcoming [Greenland Science Week](#) conference in Nuuk to connect with the broader Arctic community. Read on for more details and upcoming opportunities!

October Dataset Highlight

Ursus spp. in Unalaska: Bear Remains and Neoglacial Expansion in the Aleutian Islands

In this latest dataset highlight, Dr. Lilly Parker shares research that uncovers the presence of bears in Unalaska at Margaret Bay and Amaknak Bridge. Her findings reveal how community observations and



collaborative fieldwork are helping researchers better understand changing patterns in the Arctic.

[Read Dataset Highlight](#)

October Collaborator Highlight

DataONE

[DataONE](#) is a federation of international data repositories that expand access to Earth and environmental data through enhanced search and discovery tools. It has long been a collaborator of the Arctic Data Center, providing the cyberinfrastructure to support our Arctic research community. Check out their [website](#) for info on how they could help your research team!



[Read Collaborator Highlight](#)

Arctic Data Center



Promoting National Security, Prosperity, and Welfare

By supporting science-based decisions in the strategically vital Arctic, the Arctic Data Center advances U.S. national security, economic prosperity, and environmental resilience. It preserves and provides access to multidisciplinary datasets that support science-based decisions for defense, resource management, resilience of Alaskan and Arctic communities, infrastructure planning, environmental stewardship, and economic policy in a region of rapid change.



The Impact of the Arctic Data Center

**Hazards**

Given the remoteness of many Alaskan communities, understanding surrounding landscapes is vital for infrastructure planning and disaster preparedness. The Center hosts numerous hazard-related datasets, including wildfire risk indices from satellite-based vegetation classification, AI-detected landslides from satellite data, and those developed with local communities – all of which can directly inform policies and actions to protect Alaskan communities.

**Resources**

The Center also holds a significant collection of data from other key Arctic regions, including hundreds of datasets from Greenland and Norway. Many of these datasets, specifically those related to freshwater, geology, and permafrost, can inform both infrastructure planning and the potential for resource exploration in areas with existing and future oil and gas resources.

**Defense**

The Arctic Data Center stores and provides access to key datasets ranging from hydrographic measurements in the Bering Sea to acoustic data in the Bering Strait. Continued preservation of these datasets could provide important information for the Department of Defense conducting research and operations in the region.

The Arctic Data Center is supported by the National Science Foundation under NSF Award Numbers 1546024 and 2042029

Arctic Data Center One-Pagers!

Promoting National Security, Prosperity, and Welfare

Featured this month is our *Promoting National Security, Prosperity, and Welfare* one-pager! It highlights how the Arctic Data Center's ongoing work and plans aim to enhance accessibility and usability. Explore them all on our '[About](#)' page!

[Learn more](#)

Partner News & Opportunities

Permafrost Discovery Gateway Fall Webinar Series

A vertical poster for the Permafrost Discovery Gateway Fall Webinar Series. At the top, it features the NSF logo on the left and the Google.org logo on the right. The title 'Permafrost Discovery Gateway' is prominently displayed in the center, with a small icon of a person with arms raised to the right. Below the title, a yellow banner reads 'FALL 2025 MONTHLY WEBINAR SERIES', followed by a black box with '9:00 AM AKT'. The first webinar is for Thursday, October 16, 2025, featuring Torre Jorgenson from Alaska Ecoscience, discussing sea-level rise and permafrost thaw. The second is for Thursday, November 13, 2025, featuring Ingmar Nitze from Alfred Wegner Institute, discussing the DARTS dataset. The third is for Friday, December 5, 2025, featuring Billy Connor from the University of Alaska Fairbanks, discussing climate change and infrastructure. A QR code and a link to the Zoom link and more info are provided for the final webinar. The URL 'HTTPS://PERMAFROST.ARCTICDATA.IO/' is at the bottom, along with a photo credit to Torre Jorgenson.

NSF Google.org

Permafrost Discovery Gateway

FALL 2025 MONTHLY WEBINAR SERIES

9:00 AM AKT

THURSDAY OCTOBER 16, 2025

INTERACTING SEA-LEVEL RISE, SEA-ICE LOSS, STORM FLOODING, EROSION, AND PERMAFROST THAW THREATEN ECOSYSTEMS, WILDLIFE, AND COMMUNITIES ON THE YUKON-KUSKOKWIM DELTA

TORRE JORGENSEN, ALASKA ECOSCIENCE

THURSDAY NOVEMBER 13, 2025

DARTS: MULTI-YEAR DATABASE OF AI-DETECTED RETROGRESSIVE THAW SLUMPS IN THE CIRCUM-ARCTIC PERMAFROST REGION

INGMAR NITZE, ALFRED WEGNER INSTITUTE

FRIDAY DECEMBER 5, 2025

CLIMATE CHANGE AND INFRASTRUCTURE DEVELOPMENT DRIVE ICE-RICH PERMAFROST THAW IN POINT LAY (KALI), ALASKA

BILLY CONNOR, UNIVERSITY OF ALASKA FAIRBANKS

ZOOM LINK & MORE INFO

[HTTPS://PERMAFROST.ARCTICDATA.IO/](https://permafrost.arcticdata.io/)

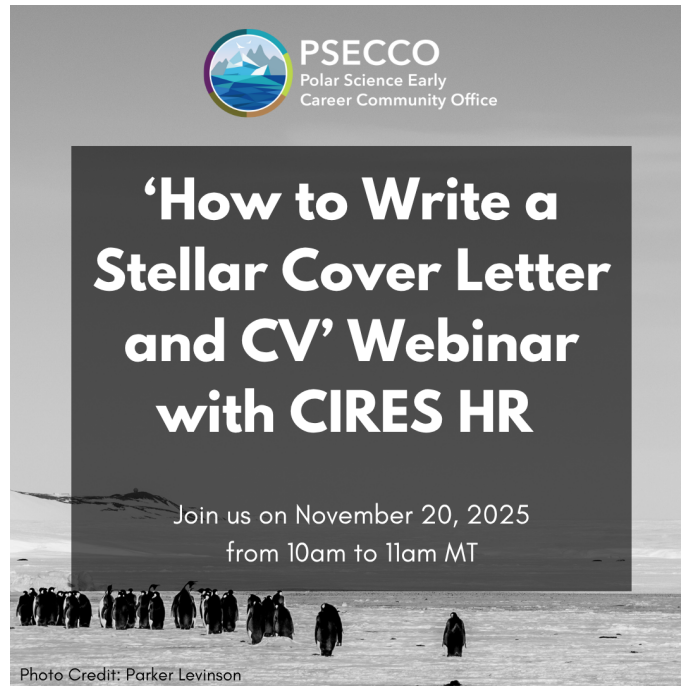
PHOTO CREDIT: TORRE JORGENSEN

This month, the [Permafrost Discovery Gateway](#) Fall Webinar Series features Ingmar Nitze, who will discuss the [DARTS dataset](#) hosted by the Arctic Data Center. This same dataset will also be highlighted in our upcoming [Dataset Highlight](#) later this month. Join their team on November 13 at 9 AM AKST, and explore past webinars in their [catalog](#).

Add to your calendar

Join PSECCO online for a ‘How to Write a Stellar Cover Letter and CV’ webinar on Thursday,

November 20, 2025, 8am AKT | 10am MT | 12pm ET!



Are you interested in learning how to craft an effective application for your next career move? What makes a cover letter, CV, or resume stand out? The [Polar Science Early Career Community Office](#) is excited to host Jimena Ugaz from the Cooperative Institute for Research in Environmental Sciences (CIRES) Human Resources Team for a discussion on effective cover letters, key differences between CVs and resume, and utilizing LinkedIn for job searching. Learn more and register [here](#).

[Link to registration](#)

NNA Research Experience for Undergraduate Students



Are you an Alaskan undergraduate student who is interested in Arctic research & learning from

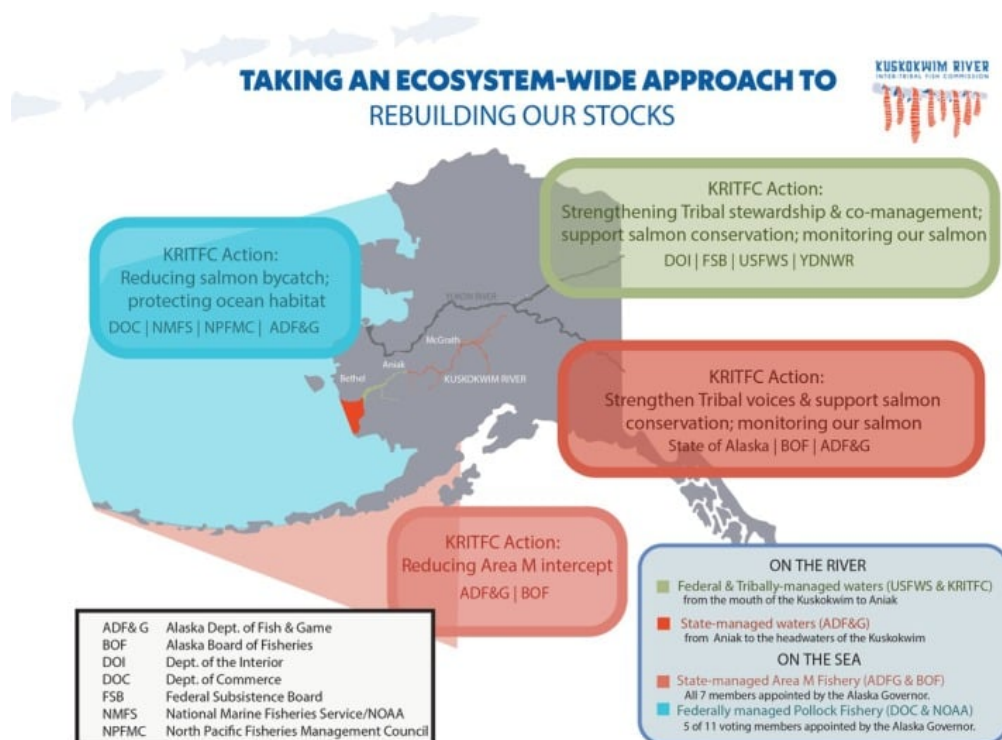
Indigenous and western knowledge holders? If so, you are invited to apply to the [NNA Research Experience for Undergraduate Students](#), which is a paid hybrid research program designed to help students experience and conduct research. To learn more, visit the [NNA REU](#) website.

Applications are due by **Wednesday, November 19, 2025 at 11:59pm MT.**

[Link to application form](#)

New Paper Releases

Bridging Knowledge Systems and Perspectives to Inform Salmon Management and Research: A Kuskokwim River Case Study



Graphic credit: KRITFC 2025.

Arctic Data Center Science Advisory Board members, Jessica Black and Courtney Carothers, are co-authors on a new paper exploring salmon management through a case study of the Kuskokwim River community. Their work shows how collaboration between Indigenous and rural fishers and state and federal managers can help transform fisheries management. Learn more in the article!

[Read Article](#)

Other Opportunities

[Geospatial and Remote Sensing Data Specialist 2025 at the Polar Geospatial Center](#)

[3 Year Postdoc in modelling the Greenland ice sheet evolution at University of Copenhagen](#)

[Cloud Engineer at Development Seed](#)

[Postdoctoral Research Fellow in Sea Ice Model Parameter Optimization with EO Data at UiT The Arctic University of Norway](#)

[Science Communicator at Sofar](#)



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