



## Hello December!

As part of the [RNA CoObs](#) effort to support salmon monitoring in Bristol Bay, the state of Alaska, and beyond, Arctic Data Center Director Matt Jones and Data Curator Maggie Klope convened nearly 50 in-person and virtual participants in Anchorage for a workshop on salmon knowledge and data portal design. Keep an eye out for new resources created by this group!

Members of our team also attended the [Greenland Science Week](#) conference in Nuuk to connect with the broader Arctic community. Read on for more details!

[November Dataset Highlight](#)

**Enhancing Permafrost Monitoring and Detections through AI and Cross-team Collaboration**





In this latest dataset highlight, Dr. Ingmar Nitze details the joint effort between the Arctic Data Center and the Permafrost Discovery Gateway to publish the DARTS dataset, mapping 43,000 thaw slumps and erosion features.

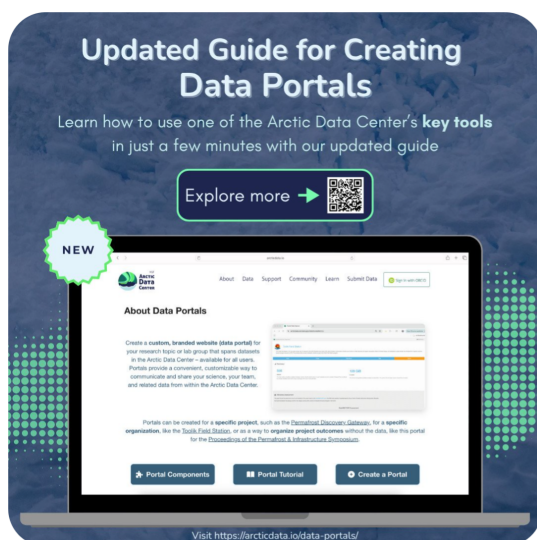
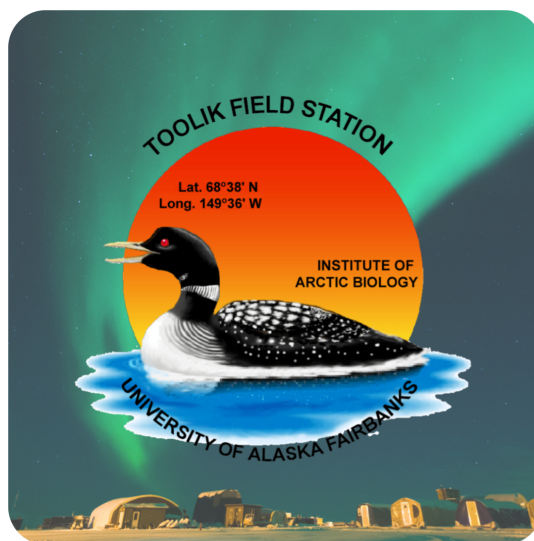
[Read Dataset Highlight](#)

## November Collaborator Highlight

### Toolik Field Station

[Toolik Field Station](#) (TFS) is a research station operated and managed by the Institute of Arctic Biology at the University of Alaska Fairbanks. TFS collaborates with the Arctic Data Center to increase the preservation, discoverability, and reuse of their data. Learn more in our latest blog post, and check out their [website](#) and [data portal](#) for more info!

[Read Collaborator Highlight](#)



## New Resource

### About Data Portals

Interested in creating a custom webpage for your research project or institution? Have you always wanted to have your data and project details all in one place? That's what our Data Portals are for!

Check out our [updated documentation](#) on creating and sharing Data Portals to increase the impact of your work.

[Explore More Here](#)

## Greenland Science Week

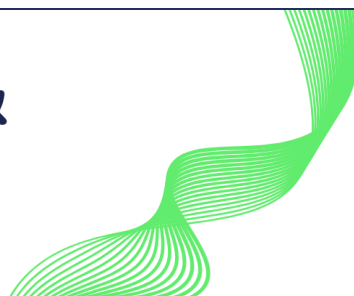
Team members from the Arctic Data Center, DataONE, and QGreenland joined together at Greenland Science Week to learn more about the dynamic Arctic research happening across Greenland. The synergy happening across teams created excitement for new collaborations and new directions for open science. "All eyes on Greenland" was a fitting theme and it was enlightening to learn about the research going on throughout the country and across the Arctic landscape," said Garcia.

"All Eyes on Greenland" was a fitting theme, as it was eye-opening to witness the breadth of research happening throughout the country and across the Arctic landscape," said Garcia.



[Learn about QGreenland](#)

## Partner News & Opportunities



### Permafrost Discovery Gateway Fall Webinar Series





The poster is for the Permafrost Discovery Gateway Fall 2025 Monthly Webinar Series. It features a background image of a permafrost landscape. At the top left is the NSF logo, and at the top right is the Google.org logo. The title 'Permafrost Discovery Gateway' is prominently displayed at the top. Below the title, it states 'FALL 2025 MONTHLY WEBINAR SERIES' and '9:00 AM AKT'. The poster lists three webinars:

- 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

At the bottom, there is a QR code with a yellow arrow pointing to it, labeled 'ZOOM LINK & MORE INFO'. Below the QR code is the URL 'HTTPS://PERMAFROST.ARCTICDATA.IO/' and a small note 'PHOTO CREDIT: TORRE JORGENSEN'.

This month, the [Permafrost Discovery Gateway](https://permafrost.arcticdata.io/) Fall Webinar Series features Billy Connor from University of Alaska, Fairbanks, who will discuss Climate Change and Infrastructure Development Drive Ice-Rich Permafrost Thaw in Point Lay (Kali), Alaska. Join their team on December 5th at 9 AM AKT, and explore past webinars in their [catalog](#).

Add to your calendar

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## Polar Early Career Researcher Social at AGU 2025



## AGU 2025 Social for Polar Early Career Researchers



*Interested in attending? RSVP now - spots are secured on a first come, first served basis!*

@polarsecco

Photo Credit: PSECCO

Join other members of the polar early career community at the American Geophysical Union ([AGU](#)) meeting in New Orleans, LA, to network, learn about how to get involved in the Polar Science Early Career Community Office ([PSECCO](#)), [Polar Impact](#), the United States Association of Polar Early Career Scientists ([USAPECS](#)), and United States Permafrost Association ([USPA](#)) [Community Care Committee](#) on **Wednesday, December 17, 2025, at 6.30pm to 8:30pm CDT.**

Learn more and register to attend here

## New Paper Releases

### **A dataset for multidisciplinary applications: thirteen years of ocean observations in Sermilik Fjord, Southeast Greenland**

This work delivers a unified, gridded record of summer hydrography in Sermilik Fjord from 2009–2023, offering an accessible view of evolving temperature and salinity patterns in a rapidly changing Greenland fjord system. All derived products and original observations are curated at the Arctic Data Center, providing a long-term resource for cross-disciplinary climate and ecosystem research.

Read Article

## **Spring awakening? Seasonal controls on halomethoxybenzenes in arctic waters**

This study mapped the springtime behaviors of several halomethoxybenzenes in the Bering and Chukchi Seas, revealing that each compound responds differently to environmental drivers such as blooms, freshwater inputs, and air-sea exchange. Using data curated at the Arctic Data Center and elsewhere, the authors show that these contrasting short-term dynamics hinder straightforward comparisons across regions and complicate assessments of ecological roles and potential risks.

[Read Article](#)

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## **Other Opportunities**

**[Fully funded PhD project on Ice Shelf Rifting at Cardiff University.](#)**

**[PhD Project: Source or sink? The roles of glacier melt and sediment transport for the carbon budget of the Greenland Ice Sheet](#)**

**[PhD Project: Measuring the isotopic fingerprint of Greenland Ice Sheet melt](#)**

**[PhD Project: Investigating the oceanic impacts of Greenland's meltwater](#)**

**[Share your experience as a US-based polar early career researcher](#)**

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