



Last month, we hosted our virtual data science training, ***Reproducible Approaches to Arctic Research Using R***, which was a great success. All [learning materials](#) are now accessible online. We also recently opened our Science Advisory Board call for nominations and closed our 2026 Community Survey and will be reviewing all feedback shared in order to prioritize internal and external goals. Keep your eyes peeled for our report out afterwards, and read on for more details!

Newsletter At a Glance

- ADC Science Advisory Board Call for Nominations
- Dataset Highlight: Listening to a Changing Arctic: Tracking Bowhead Whales Through Sound
- Collaborator Highlight: The Arctic Report Card
- Latest Datasets
- Upcoming Opportunities and Events
- New Paper Releases

[ADC Science Advisory Board: Open Call for Nominations](#)

Attention Arctic Research Community

The Arctic Data Center is seeking **3 new members** to serve **3-year terms** on our Science Advisory Board. The Board provides advice and leadership regarding the goals and strategic priorities of the Center. We're seeking nominations and self-nominations from any community members that are supported by and impacted by Arctic Data Center operations.

Nominations close on April 30th, 2026! For more information, see the nomination form here: <https://forms.gle/hhbYoe9YXyDb...>



Submit a Nomination



New Dataset Highlight

Listening to a Changing Arctic: Tracking Bowhead Whales Through Sound

Our latest Dataset Highlight features Dr. Angela Scesciorka's research on using passive acoustic monitoring to help better understand bowhead whales and their migration in the Arctic. Read more in our [blog](#).

Read Dataset Highlight

New Collaborator Highlight

The Arctic Report Card

The Arctic Report Card, led by NOAA, has been reporting to the general public on all environmental changes in the Arctic and their impacts. The Arctic Data Center hosts their data portal which has been updated yearly since 2020. To learn more, read on and explore their [data portal](#).

Read Collaborator Highlight



Latest Datasets

Explore the full catalog

Explore some of the latest datasets uploaded to the Arctic Data Center, ranging from geoscience to atmospheric science.



Atmospheric Science

Danna & Temime-Roussel, 2026



Social Science

Neumann et al., 2026



Social Science

Eichelberger, 2026

Ambient particle number concentrations were measured in downtown Fairbanks during winter 2022 to study wintertime pollution and chemistry.

After a series of interviews in 2020 and 2021, Neumann et al. anonymized transcripts and identified key factors contributing to the success or failure of rural Alaska drinking water projects.

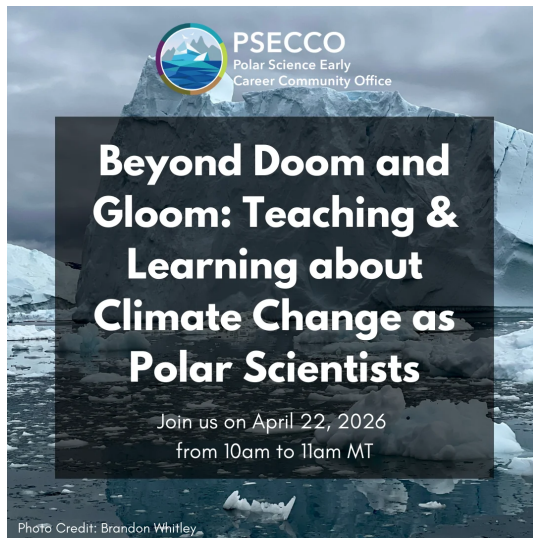
This study integrates traditional and historical water knowledge from western Alaska communities and utility operators to better understand groundwater contamination and drinking water systems.

[View Dataset](#)

[View Dataset](#)

[View Dataset](#)

Partner News & Opportunities



Wednesday, April 22, 2026, 8am AKT | 12pm ET

Join PSECCO online for 'Beyond Doom and Gloom: Teaching & Learning about Climate Change as Polar Scientists'!

What would it mean to respond to climate change with connection instead of fear? The Polar Science Early Career Community Office (PSECCO) is excited to host Alicia Christensen from the Cooperative Institute for Research in Environmental Sciences (CIRES) Center for Education, Engagement and Evaluation (CEEE) to discuss key strategies and activities for nurturing emotional well-being and empowering polar early career scientists to take positive action in the face of climate change. By employing these strategies, early career scientists can move beyond the feeling of doom and gloom towards a feeling of empowerment and educate others about climate change in a way that inspires hope and optimism. Participants will walk away with mental health resources. Content will be developed by CIRES CEEE, with the event hosted by PSECCO.

To register for this event, visit this [webpage](#).

[New Blog about Permafrost Discovery Gateway](#)

Beneath the Frozen Surface: How AI Is Uncovering the Secrets of Permafrost

Researchers from the Permafrost Discovery Gateway are using artificial intelligence and high-performance computing to analyze massive Arctic datasets and better understand how permafrost is changing across the region. By combining satellite imagery and machine learning, their work is accessible for other scientists and the public to explore and monitor thawing permafrost. To see their work in action, visit their [data portal](#) hosted by the Arctic Data Center. Read on for the [full blog](#).



Read Article

A promotional poster for a webinar series. At the top left is the 'AI Cyber2A Arctic Science' logo. To its right is the 'Permafrost Discovery Gateway' logo with a globe icon, and further right is the 'Google.org' logo. Below these is a yellow banner that reads 'CYBER2A WEBINAR SERIES'. The main title of the webinar is 'PAN-ARCTIC PERMAFROST LANDFORM AND HUMAN-BUILT INFRASTRUCTURE FEATURE DETECTION WITH VISION TRANSFORMERS AND LOCATION EMBEDDINGS'. Below the title are two circular headshots: on the left, David Jose Fernandez, Google; on the right, Amal Perera, University of Connecticut. At the bottom, it says 'MONDAY APRIL 27, 2026 10:00 AM PDT' and provides the Zoom link 'HTTPS://ASU.ZOOM.US/J/89368664223'. There is also a QR code and a 'LINK TO MORE INFO' icon.

Monday, April 27, 2027 at 10am PDT

Join the PDG Webinar Series: Pan-Arctic Permafrost Landform and Human-Built Infrastructure Feature Detection With Vision Transformers and Location Embeddings

This webinar explores how new AI techniques can improve mapping of Arctic landscapes using high-resolution satellite imagery. Speakers, Amal Perera and David Jose Fernandez, compare traditional image-analysis models with newer models like vision transformers (ViTs) that can better recognize patterns across large areas. By combining imagery with geographic location data, this work shows improved detection of key features like thawing permafrost and ice formations. Join the PDG on Monday, April 27, 2027 to learn how these advances could help scientists better monitor environmental change across the Arctic.

To see the full webinar details and Zoom link, visit the [PDG Stay Connected](#).

Webinar Info

New Paper Releases

Neglecting organic alkalinity introduces greater error than assuming boron to salinity ratios in Arctic sea ice brine carbonate system calculations

This study by Rush et al. discovered that small amounts organic alkalinity in Arctic sea ice can significantly affect CO₂ estimates. Using data hosted by the Arctic Data Center, their findings suggested that Arctic carbon uptake could be overestimated and there is a need to change how ocean chemistry is modeled. Read more in the [full article](#).

Read Article

Rapid plant functional trait responses to warming, flooding, and herbivory in high-latitude coastal wetlands

In this study, researchers found that warming, flooding, and goose grazing each influence plant traits in Arctic wetlands. Using a year-long experiment in coastal Alaska and [data hosted](#) by the Arctic Data Center, they discovered that warming generally increased plant growth, while flooding and grazing led to more variable and location specific responses. These findings highlight the complexity of how environmental pressures shape plant behavior and improve predictions of how Arctic wetlands may respond to changing conditions. Read more in the full [article](#).

Read Article

Other Opportunities

Job Opportunities

- Research Assistant Intern (Arctic) at Woodwell Climate Research Center (<https://workforcenow.adp.com/m...>)
- Research Assistant Intern (Soil Carbon) at Woodwell Climate Research Center (<https://workforcenow.adp.com/m...>)
- Head of Operations at Crossref (<https://www.crossref.org/jobs/...>)
- Research Data Specialist at the Yale Center for Geospatial Solutions Operations (<https://careers.yale.edu/us/en...>)

Postdoc Opportunities

- 2 PhD opportunities within a project on ice–ocean interactions in Hornsund Fjord, Svalbard (High Arctic) (<https://www.mssd.us.edu.pl/en/...>)
- PhD Position in Dynamics-Aware Downscaling of Extremes over Arctic Glaciers (<https://careers.tudelft.nl/job...>)
- Climate Science Serving America Fellowship at Project Drawdown (<https://drawdown.org/careers/c...>)
- Postdoctoral Research Fellowships in Biology (PRFB) with the National Science Foundation (<https://www.nsf.gov/funding/op...>)

Conferences and Workshops

- Arctic Encounter Summit in Anchorage, AK, April 15-17, 2026 (<https://www.arcticencounter.co...>)
- 2026 Lowell Wakefield Fisheries Symposium in Kodiak, Alaska, May 5–8, 2026 (<https://alaskaseagrant.org/eve...>)
- Eastern and Western Snow Conference in Denver CO, May 12-15, 2026 (<http://www.easternsnow.org/>)
- Glacial Sedimentation School 2026 at Oregon State University, July 13-17, 2026 (<https://www.cognitofrms.com/O...>)
- 2026 NNA Annual Community Meeting in Fairbanks, Alaska, September 15-17, 2026 (<https://nna-co.org/outreach/wo...>)

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