



Hello October! Our data science training application is open until October 31st, spread the word with your networks. Last month, we joined [NCEAS](#)' (The National Center for Ecological Analysis & Synthesis) 30th Anniversary with a program display, connecting with the Santa Barbara community and sharing the importance of Arctic research. This month, we look forward to supporting our collaborators on the [Cyber2A](#) project by hosting their upcoming AI-focused workshop. Keep reading for more details!

September Dataset Highlight

New Dataset Explores Successful Aging Among Alaska Native Elders with Jordan Lewis

In this latest dataset highlight, Dr. Jordan Lewis explores what successful aging means for Alaska Native Elders by sharing insights on resilience, community, and well-being. Read the full [blog](#) to learn more.

[Read Dataset Highlight](#)



September Collaborator Highlight

Navigating the New Arctic

Back in 2016, the National Science Foundation launched its [10 Big Ideas for Future NSF Investments](#), where the Navigating the New Arctic (NNA) program was developed. In this blog, we highlight the many ways in which the NNA project has advanced Arctic research initiatives and the changes it has inspired since the program began. Read full [blog](#) for more details.



[Read Collaborator Highlight](#)



Registration ends October 31, 2025

Our Upcoming Virtual Workshop

Join us for a five-day [virtual](#) workshop designed for Arctic researchers with proficient R programming skills who want to take their data science skills to the next level. The training will cover best practices in data management, tools for cleaning, analyzing, and visualizing data, and methods for documenting and preserving data at the Arctic Data Center.

Application Deadline: **October 31, 2025**

Please note this will be the **ONLY** data science training offered by our team in 2026. For any questions, contact training@arcticdata.io.

[Link to Apply](#)

Arctic Data Center One-Pagers!

Expanding Opportunities for All Americans

Recently, we created a series of one-pagers detailing the Arctic Data Center's current work and plans to enhance accessibility and usability. The one-pager shown on the right is one of three, each focusing on a different aspect. Explore them all on our updated '[About](#)' page!

[Learn more](#)

The Arctic Data Center expands opportunities for all Americans by providing open access to a rich collection of Arctic datasets, software tools, and data science training. By lowering barriers to data use and sharing high-quality, curated resources, the Center drives innovation, supports decision-making, and fosters a growing, skilled workforce ready to address complex Arctic challenges across sectors.

The Impact of the Arctic Data Center

- Data**
All datasets held at the Arctic Data Center are **openly accessible and discoverable** - no login or signup required. Our interactive data portals ensure non-researchers, like policymakers and the public, can explore and understand data relevant to their interests.
- Training**
The Center runs training and outreach programs for researchers focused on Arctic issues, providing technical skills and data literacy for workforce success. Annual trainings are open to anyone interested in applying, drawing participants from diverse backgrounds, including universities, federal agencies, and the private sector. Courses cover everything from data science fundamentals to advanced applications of AI in the geosciences. All materials are **openly available online** as a resource for students and educators.
- Outreach**
The Center extends outreach through active participation in workshops and conferences and by offering online resources that promote efficiency and accuracy in Arctic data science. Through virtual and in-person networking, the outreach team partners with organizations in Arctic research, data science, and broader research communities to develop effective programs, exchange ideas, avoid overlap, and maximize collective impact.

The Arctic Data Center is supported by the National Science Foundation under NSF Award Numbers 1546024 and 2042102.

The screenshot displays the Metacat 2.35.0 interface. On the left, a sidebar titled 'Latest Stories' lists three items: 'Lack of drainage causing road problems' (dated Jun 21, 2025), 'River erodes road by airport' (dated Jun 17, 2025), and 'Erosion results in loss of revetment wall' (dated Jun 16, 2025). Each item includes a small thumbnail image and links to 'Local Stories' and 'Bing Satellite Imagery'. The main area shows a 3D map of a coastal region with a blue location pin. A pop-up window titled 'Lack of drainage causing road problems' is open, showing a detailed view of the selected story, including a date of '2025 Jun 21' and a description of an unusual spring thaw in Hooper Bay, Alaska, leading to road issues. The pop-up also includes a 'Read more on LEO Network' link and buttons for 'Zoom to Feature' and 'See Local Stories layer details'.

September 2025

Metacat 2.35.0 Release

New updates to MetacatUI! Users can now view a live feed of recent [Local Environmental Observer \(LEO\) Network](#) observations directly on the Cesium map, and legend controls allow toggling vector layer visibility and provide clear status labels for each layer.

[Read More Details](#)

Partner News & Opportunities

Permafrost Discovery Gateway Fall Webinar Series

The poster features a background image of a permafrost landscape with a small inset map of the Yukon-Kuskokwim Delta. At the top left is the NSF logo, and at the top right is the Google.org logo. The main title 'Permafrost Discovery Gateway' is in a large, blue, sans-serif font, with a stylized blue figure holding a globe to its right. Below the title is a yellow banner with the text 'FALL 2025 MONTHLY WEBINAR SERIES' and a black banner with '9:00 AM AKT'. The first webinar is on Thursday, October 16, 2025, featuring Torre Jorgenson, Alaska Ecoscience, with the topic 'INTERACTING SEA-LEVEL RISE, SEA-ICE LOSS, STORM FLOODING, EROSION, AND PERMAFROST THAW THREATEN ECOSYSTEMS, WILDLIFE, AND COMMUNITIES ON THE YUKON-KUSKOKWIM DELTA'. The second webinar is on Thursday, November 13, 2025, featuring Ingmar Nitze, Alfred Wegner Institute, with the topic 'DARTS: MULTI-YEAR DATABASE OF AI-DETECTED RETROGRESSIVE THAW SLUMPS IN THE CIRCUM-ARCTIC PERMAFROST REGION'. The third webinar is on Friday, December 5, 2025, featuring Billy Connor, University of Alaska Fairbanks, with the topic 'CLIMATE CHANGE AND INFRASTRUCTURE DEVELOPMENT DRIVE ICE-RICH PERMAFROST THAW IN POINT LAY (KALI), ALASKA'. A QR code is located at the bottom right, with a yellow arrow pointing to it from the text 'ZOOM LINK & MORE INFO'. The URL 'HTTPS://PERMAFROST.ARCTICDATA.IO/' is at the bottom, with 'PHOTO CREDIT: TORRE JORGENSEN' in small text below it.

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

Curious about permafrost research? The Permafrost Discovery Gateway's Fall Webinar Series is set with three engaging talks, each month spotlighting a different speaker working on permafrost thaw. To learn more about past webinars, visit their [catalog](#).

Add to your calendar

October 23, 2025 at 10 AM AKT

NNA-CO Learn & Connect Series

Gen Z Voices on Climate & Mental Health: A Panel Discussion

October 23, 2025
10:00-11:00am AKT | Virtual

NNA-CO Learn & Connect Series: Gen Z Voices on Climate & Mental Health: A Panel Discussion

NNA-CO will be hosting a virtual session that will explore the intersection of climate change, mental health, and Indigenous perspectives, featuring two members of the Gen Z Climate Mental Health Network. This interactive session will feature a panel discussion and Q&A with youth voices reflecting on their lived experiences, challenges, and hopes for the future. To learn more, check out the [event](#).

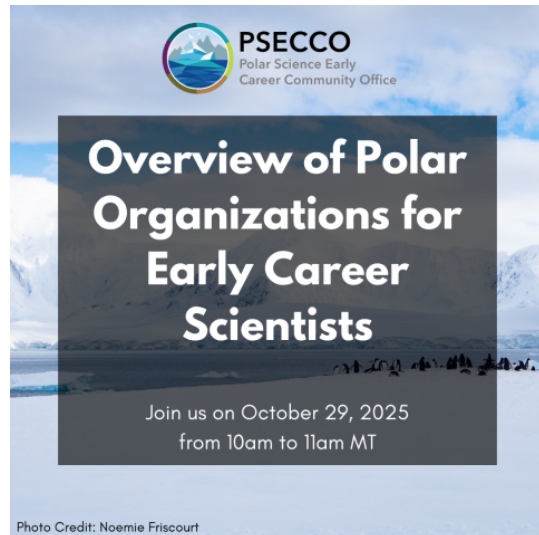
Register for Event

October 29 2025 at 8 AM AKT

Overview of Polar Organizations for Early Career Scientists

Are you interested in learning more about what polar organizations are out there with opportunities relevant to early career researchers? The Polar Early Career Community Office (PSECCO) will host representatives from 14 different polar organizations to introduce their organizations and share how to engage with them. Organization representatives will give an overview of their missions and share opportunities for engagement relevant to early career scientists along with how you can get involved with them!

Register for Event



Other Job Opportunities

[Program Manager \(Station Manager, Antarctica\) at the National Science Foundation](#)

[Science Communications Lead at Alaska Climate Adaptation Science Center](#)

Research Associate (Soil Data Science).

Science Communications Lead at International Arctic Research Center

Postdoctoral Researcher (Arctic Boreal Fire Management).

CBSM Communications Specialist at UAF



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have submitted data to the Arctic Data Center.

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