Hello 2026!

As another year drew to a close, the Arctic Data Center team is taking a moment to reflect on the progress, successes, and collaborations that shaped our work over the past 12 months.

We're so thankful for our researchers and community who share a passion for openly accessible, reproducible Arctic science and look forward to continuing our work in the new year!

New Blog Post

Arctic Data Center Yearly Wrapup

In this annual recap, we highlight key metrics from our growing community, share how we've adapted to evolving community needs, and showcase updates to our website and cyberinfrastructure.
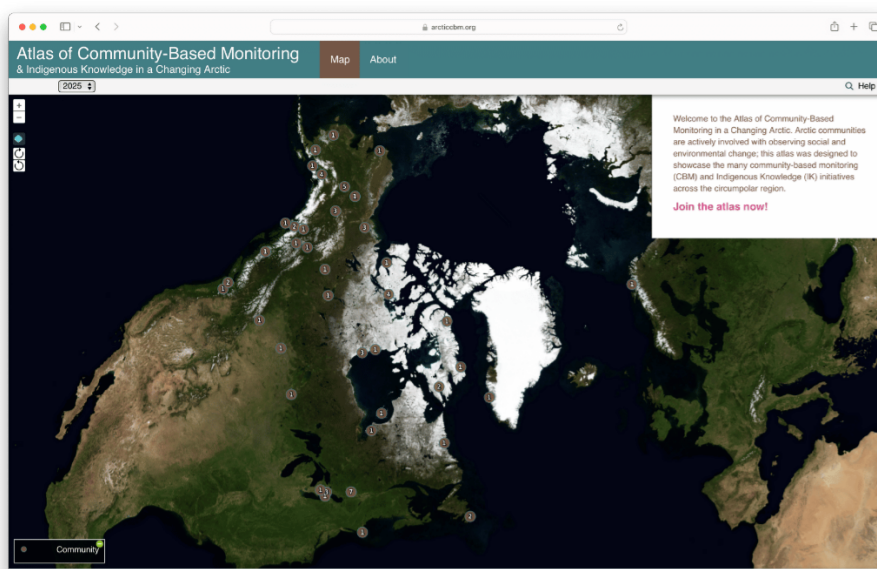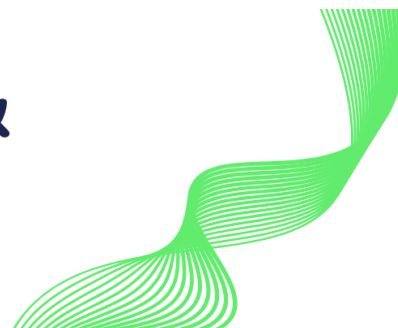
Read Yearly Wrapup

Data Submission Guidelines

Interested in learning more about the Arctic Data Center data submission process? Check out our **updated guidelines** here!

Explore More Here

Partner News & Opportunities

[ELOKA](#) (Exchange for Local Observations and Knowledge of the Arctic) is pleased to announce that the Atlas of Community-Based Monitoring and Indigenous Knowledge in a Changing Arctic has been updated with 100 new entries, and a refreshed interface! They collaborated with ICC Canada (Inuit Circumpolar Council) on this update and are thrilled to showcase even more community-based monitoring projects across the Arctic. The purpose of the CBM Atlas is to highlight the scope and diversity of these projects, support collaboration among projects, and raise visibility for funders and researchers. Take a look and explore the atlas!

Explore Atlas Here

New Paper Releases

Development of a moored radium in situ sampler to measure annual time series

This study introduces an autonomous sampler that produced the first year-round time series of radium isotopes in the Arctic Ocean, revealing strong seasonal inputs of shelf- and river-derived materials that are missed by summer-only surveys. The data from this study are archived at the Arctic Data Center at [https://doi.org/10.18739/A28C9...](https://doi.org/10.18739/A28C9).

Read Article

Greenland supraglacial catchment consolidation by streams breaching drainage divides

This study shows that supraglacial drainage basins on the Greenland Ice Sheet change dramatically from year to year, as snow-filled relic channels reroute meltwater, consolidate catchments, and switch moulins on and off. The processed data from the roving GNSS survey are archived via the Arctic Data Center at [https://doi.org/10.18739/A2DR2...](https://doi.org/10.18739/A2DR2).

Read Article

River ice controls permafrost bank erosion across an Arctic delta

This study uses a numerical model and field observations from Alaska's Canning River delta to show that river ice strongly controls permafrost bank erosion, with ice-rich banks eroding up to several meters per year and ice-free models underestimating erosion. The pebble count data from this study are archived at the Arctic Data Center at https://doi.org/10.18739/A2H41....

Read Article

Modeling of Internal Tides in the Kara Gates Strait, Arctic Ocean: Characteristics and Energetics

This study uses a high-resolution model to show that internal tides and lee waves in the Kara Gates Strait strongly influence tidal mixing and heat transport between the Barents and Kara Seas, with a newly identified major energy source along the slope of Vaygach Island. Tidal gauge observations are available from the Arctic Data Center at https://arcticdata.io/catalog/...

Read Article

Effective Elastic Parameters for In Situ, Drifting Sea Ice Under Natural Forcing Conditions at Kilometer Scales

This study combines in-ice stress measurements and radar-derived strain observations to estimate the effective elastic properties of kilometer-scale, naturally forced sea ice in the Beaufort Sea, providing rare in situ constraints on sea ice deformation under real conditions. Sea ice mass balance (SIMB) buoy data used in atmospheric correction of GPRI interferograms is available from the Arctic Data Center at https://arcticdata.io/catalog/view/doi:10.18739/A2B27PS9J

Read Article

The Influence of Wave Events on Open Water Suspended Sediment Fluxes on the Alaskan Beaufort Sea Shelf: A Numerical Modeling Study

This modeling study shows that waves strongly enhance sediment resuspension and drive net westward suspended sediment transport on the inner Beaufort Sea shelf during the open-water season. In situ CTD data are available on the Arctic Data Center at https://arcticdata.io/catalog/view/doi:10.18739/A2TB0XX48.

Read Article

Other Opportunities

PhD Opportunities

- 2 year postdoc at University of Liverpool—remote sensing of icerbergs (https://tinyurl.com/2jjcmea9)

- AWI, Bremerhaven, Germany—Insights into Arctic Ocean Stratigraphy and Paleoceanography from Cosmogenic and Radiogenic Nuclides (https://jobs.awi.de/Vacancies/...)

- Delft University of Technology (The Netherlands)—ocean circulation and climate models (https://careers.tudelft.nl/job...)

Postdoc Opportunities

- 2 year postdoc at University of Liverpool—remote sensing of icerbergs (https://tinyurl.com/2jjcmea9)

Conferences and Workshops

- Juneau Icefield Science & Logistics Collaboration Workshop, March 16-20, 2026 (https://climatechange.umaine.e...)

- Global Glacier Modeling Workshop at the University Centre Overgurgl (Austria), August 24-28, 2026. (https://oggm.org/2025/12/08/10...)

- 29th Alpine Glaciological Meeting in Milan, Italy, February 26-27, 2026. (https://shorturl.at/9f64l)

- Eastern and Western Snow Conference in Denver CO, May 12-15, 2026 (http://www.easternsnow.org/)

Browse Past Newsletters Here