Arctic Data Center

Expanding Opportunities for All Americans

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.

Participants of the 2022 Fundamentals in Data Management for Qualitative and Quantitative Arctic Research training

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[9] 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.