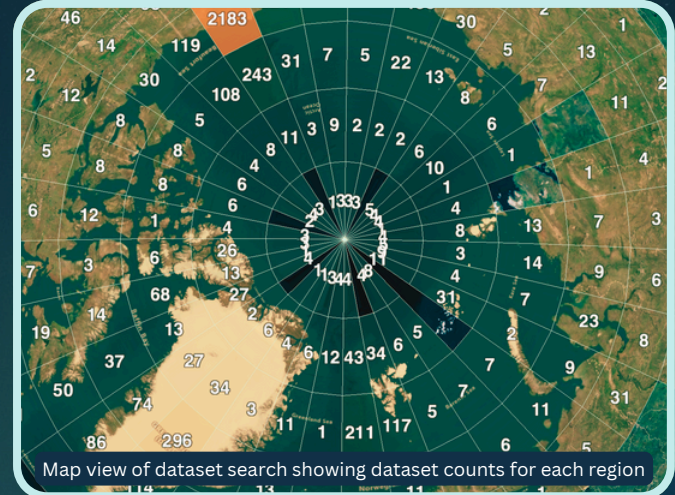


Arctic Data Center



Promoting National Security, Prosperity, and Welfare

By supporting science-based decisions in the strategically vital Arctic, the Arctic Data Center advances U.S. national security, economic prosperity, and environmental resilience. It preserves and provides access to multidisciplinary datasets that support science-based decisions for defense, resource management, resilience of Alaskan and Arctic communities, infrastructure planning, environmental stewardship, and economic policy in a region of rapid change.



The Impact of the Arctic Data Center

Hazards



Given the remoteness of many Alaskan communities, understanding surrounding landscapes is vital for **infrastructure planning** and **disaster preparedness**. The Center hosts numerous hazard-related datasets, including wildfire risk indices from satellite-based vegetation classification¹, AI-detected landslides from satellite data², and those developed with local communities³—all of which can directly inform policies and actions to protect Alaskan communities.

Resources



The Center also holds a significant collection of data from other key Arctic regions, including hundreds of datasets from **Greenland** and **Norway**. Many of these datasets, specifically those related to freshwater, geology, and permafrost⁴, can inform both **infrastructure planning** and the potential for **resource exploration** in areas with existing and future oil and gas resources.

Defense



The Arctic Data Center stores and **provides access to key datasets** ranging from hydrographic measurements in the Bering Sea⁵ to acoustic data in the Bering Strait⁶. Continued preservation of these datasets could provide important information for the Department of Defense conducting research and operations in the region.