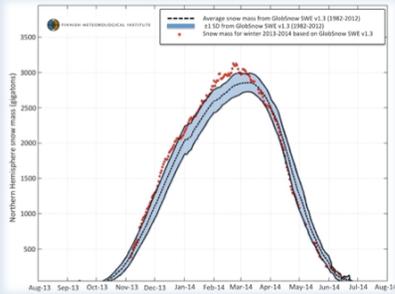
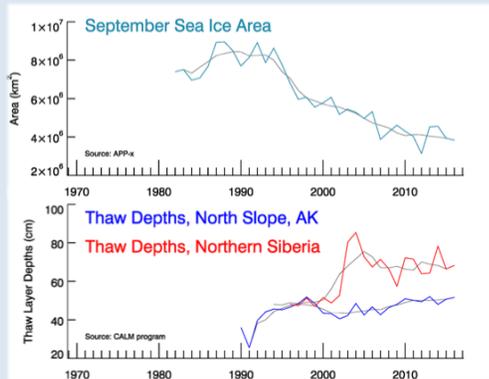


Products and Services

Trackers: GCW and its partners are developing various "trackers" for the cryosphere. The trackers provide a quick look at the current state of cryosphere relative to the mean state of the last 2-3 decades.



Assessments: Each component of the cryosphere is examined continuously. Assessments are posted annually or semi-annually.



Other GCW products include:

- Product **intercomparisons**
- Snow product **inventory**
- Cryosphere **glossary** (2000+ unique terms)

GCW provides authoritative, clear, and useable data, information, and analyses on the past, current and future state of the cryosphere.

globalcryospherewatch.org



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Global Cryosphere Watch

The World Meteorological Organization (WMO) Global Cryosphere Watch (GCW) is an international mechanism providing a framework for reliable, comprehensive, sustained observing of the cryosphere and for delivering quality-assured global and regional products and services.



The Cryosphere

The cryosphere includes solid precipitation, snow cover, sea ice, lake and river ice, glaciers, ice caps, ice sheets, permafrost, and seasonally frozen ground. *The cryosphere is global*, existing at all latitudes and in approximately one hundred countries.



Surface Network

The GCW surface observation network is comprised of a core component, called CryoNet, and contributing stations. It is a component observing system of the WMO Integrated Global Observing System (WIGOS).

CryoNet covers all components of the cryosphere through an extensive approach of in situ observations.

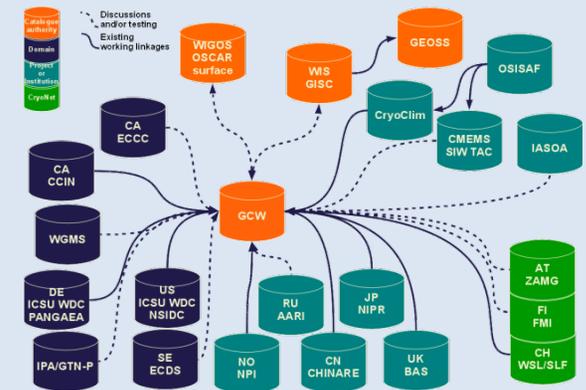


CryoNet is initially comprised of existing stations. All stations agree to follow GCW best practices for measurements and data distribution.



Data Portal

A major issue for GCW is improved exchange of, access to, and utilization of observations and products from WMO and other observing systems. Establishing interoperability between data management systems supporting cryospheric data directly addresses GCW objectives.



gcw.met.no

The GCW Portal is currently pre-operational. The Portal focuses on data discovery and access. It demonstrates the concept of linking catalogues. Being part of the WMO Information System (WIS), the GCW Portal provides access to a massive range of data providers and users. GCW respects the ownership and data-sharing policies of its partners.

Rather than trying to establish "the one and only" portal, a solution linking existing portals is more sustainable.

Global Cryosphere Watch

GCW is a WMO program that provides the framework for reliable, comprehensive, and sustained observing of the cryosphere. GCW is developing a surface network, best practices for measurements, a data portal, products, and services.

