

What is your affiliation?

V2
AMAP Secretariat
Alfred Wegener Institute, Germany
Alfred Wegener Institute, Germany
British Antarctic Survey
CNR-ISP
CNR-ISP
Ca' Foscari University and Polar institute, Italy
Centre National de la Recherche Scientifique
Finnish Meteorological Institute
Finnish Meteorological Institute, Space and Earth Observation Centre, Finland
GEUS - Geological Survey of Denmark and Greenland
GFZ German Research Centre for Geosciences
GRID Arendal
INTERACT (personal affiliation: Aarhus University, Institute of Bioscience, Denmark)
Institute of Geography and Spatial Planning, University of Lisbon, Portugal
International Arctic Research Center, University of Alaska Fairbanks
Interreg Northern Periphery and Arctic Programme
Lund University, Sweden
NCPOR, Goa
NCSR Demokritos, Greece
NILU - Norwegian Institute for Air Research
Nansen Environmental and Remote Sensing Center,
National Centre for Polar and Ocean Research
National Institute of Polar Research
Norwegian Meteorological Institute
Norwegian Polar Institute
Polar Knowledge Canada, Canada
Portuguese Polar Program (PROPOLAR), IGOT, University of Lisbon
SMHI, the Swedish Meteorological and Hydrological Institute
SPRS
Stockholm university
Svalbard Integrated Arctic Earth Observing System (SIOS)
Swedish Polar Research Secretariat
Swedish Polar Research Secretariat
The Aerospace Information Research Institute (AIR) , the Chinese Academy of Sciences (CAS)
The Geological Survey of Denmark and Greenland
University of Bristol
University of Gothenburg
University of Groningen, Arctic Centre, The Netherlands
University of Helsinki
University of Washington
Westfjord University Center
World meteorological Organization
istitute of polar sciences-National Research Council, Italy

What is your working relationship with observation data in your organisation?

The FREQ Procedure

DuVa5	Frequency
Managing observation data	26
Producing observation data	28
Using/consuming observation data	28

Where are you located (continent)?

The FREQ Procedure

V4	
V4	Frequency
Asia	4
Europe	37
North America	3

Are you or your institution engaged in one or more of the following international activities/organisations?

The FREQ Procedure

DuVa6	Frequency
Arctic Council (or one of its subsidiaries, i.e. Expert or Working Groups)	20
EU-PolarNet	22
European Polar Board	17
Other EU-funded programmes, like Arctic PASSION, INTERACT or other EU Polar Cluster members	44
Scientific Committee on Antarctic Research (SCAR) / SCAR Standing Committee on Antarctic Data Manage	20
Southern Ocean Observing System (SOOS)	14
Sustaining Arctic Observing Networks (SAON) (or one of its Committees: ADC or CON)	24

Is the interest/scope of your work?

The FREQ Procedure

V6	
V6	Frequency
Antarctic	2
Arctic	20
Polar	22

Within your institution: Do you compile and organise information about observing assets in polar regions?

The FREQ Procedure

V7	
V7	Frequency
No	9
Yes	34
Frequency Missing = 1	

If yes, what kind of observing assets does your institution organise information about?

The FREQ Procedure

DuVa14	Frequency
Networks	17
Observatories	23
Observing systems	20
Programs	19
Projects	19
Sites	26
Stations	22
Transects	13

If yes, what is the technical framework or structure that your institution use for the organisation of this information?

The FREQ Procedure

DuVa22	Frequency
Catalogues, databases or online portals	29
Simple information structures (spreadsheet, text files)	18

If your answer above included "Catalogues, databases or online portals", which?

V10
AMAP Project Directory: http://projects.amap.no/directory/amap ; Study of Environmental Arctic Change (SEARCH): http://projects.amap.no/directory/search ; ENVINET Activities Catalog: http://projects.amap.no/directory/envinet/
Databases
Fluxnet, Pangea, GFZ Data Services
GEUS dataverse dataverse01.geus.dk/ moving soon to dataverse.geus.dk/
Global Cryosphere Watch Data Portal
ICOS carbon portal, GTN-P
Information are available in Institute website
MEOP, Glider
No polar dedicated database or catalogue
Online portal/ data base
PANGAEA
Polar.se, sites, snd
Printed catalogue, online portals
Project website, project online database, data submitted to National Archives
SIOS observation facility catalogue (https://sios-svalbard.org/sios-ri-catalogue)
SITES, ICOS, SND, INTERACT
Several: OGC catalogs, Smartmetserver metadata, online portals like litdb.fmi.fi
The Bolin Centre data base
We have a variety of all three: see https://www.bas.ac.uk/data/our-data/
both - online and catalogues
databases
http://ebas.nilu.no

<https://arcmmap.nersc.no/>

<https://snd.gu.se/en/>; <https://data.fieldsites.se/portal/>; <https://www.icos-cp.eu/>; <https://www.smhi.se/en/services/open-data/search-smhi-s-open-data-1.81004>

<https://uaf-snap.org/>; <https://uaf-iarc.org/nabos/>; <https://uaf-snap.org/project/ardac/>; and others in-house and elsewhere (specifically arcticdata.io, Dept of Energy data repositories & others)

<https://www.awi.de/en/science/long-term-observations.html>

promice.org, <http://www.greenmin.gl/>

If your answer above included "Catalogues, databases or online portals", do they have an Application Programming Interface (API) or other machine-readable endpoint for access (such as OGC CSW, OAI-PMH, or a web accessible folder)?

The FREQ Procedure

V11	
V11	Frequency
Don't know	8
No	3
Yes	19
Frequency Missing = 14	

Is the information stored in this/these system(s) accessible for people outside your institution

The FREQ Procedure

V12	
V12	Frequency
Openly	26
There are restrictions on access	7
Frequency Missing = 11	

If restrictions on the access apply, please specify

V13
Access requires email address
As open as we can without having a general structure
Data is open after publication
Information not yet accessible to people outside
Most open, but can be restrictions due to embargoes etc.
Note: I did not select restrictions above, but they are currently in development and not available, yet.
Part of the data can be accessible upon request
Some data sets require contacting the PI to assess possibilities for collaboration
Summary and statistical information is open; details (including contact information) is restricted.
Time limited embargo for a few data sets

If restrictions on the access apply, is your institution currently considering or already implementing developments that will relax the restrictions?

V14
No
Not applicable

Not yet
Restriction is very relaxed already
We aim for data to be as open as possible
Yes. Publishing the results faster in data journals

If your institution does not already organise or make the information available, would your institution have the capacity and be interested in making this information available to externals?

The FREQ Procedure

V15	
V15	Frequency
No	4
Yes	21
Frequency Missing = 19	

If you answered 'No' to the first question in this section, what could motivate you or your institution?

V16
Capacity to do so.
We would need a mandate from the European Commission.
access to resources to develop end-user applications

If you answered 'Yes' to the first question in this section, how would you or your institution technically want to make the information available?

The FREQ Procedure

DuVa25	Frequency
Enter the information into an external system through a web entry interface	13
Organise the information in structured files (spreadsheet, .csv-files), following an agreed format and make it available to externals	10
Through an existing technical framework or structure within your institution and expect this to make it available to externals	20

Would you be willing to update the information provided regularly, say on a yearly basis?

The FREQ Procedure

V18	
V18	Frequency
Maybe	9
No	1
Yes	22
Frequency Missing = 12	

Please feel free to provide any additional information that you believe is important in this context. This could be, for example, links to databases available online that you would like to point us to or any other feedback that you would like to provide, etc.

V19

Database website: litdb.fmi.fi . In addition, Finnish Meteorological Institute has database for operational weather data but it is not managed by Space and Earth Observation Centre.

DueSouth (<https://duesouth.europeanpolarboard.org/expedition/>) captures information on future expeditions for the Southern Ocean, could this be extended for all polar regions?

HiMAC Data Category (<http://115.29.142.79/>)

National polar data centre of NCPOR <https://npdc.ncaor.gov.in>

Schedule of updates and technical development of metadata exchange services depend on project funding.

There are several databases and agreements on storing data. We have no capacity to do it more.

WMO is discussing with its members a Unified Data Policy to provide a mechanism for free international data exchange for Earth system data

We do have a clear picture on our observing assets, yet not available in an open database. What we do not have is a polar version of this information. Although we are interested in making the information openly available we currently do not have the resources.

at the moment we aim to use Antarctic (www.pnra.aq) and Arctic (under development) portals to provide catalogues and tools to distribute information openly and give the possibility to regularly update and adjour them. These information will complement information accessible through data centers (NADC for Antarctica and IADC for the Arctic) on projects and datasets released

<http://permantar.weebly.com> (PERMANTAR - Western Antarctic Peninsula Permafrost Observatories) - the data will be made available online around the end of the year, and we are contributing to GTN-P.

<https://en.ilmatieteenlaitos.fi/open-data>

<https://interact-gis.org/>

psc.apl.washington.edu/HLD; psc.apl.washington.edu/BeringStrait.html; NODC, Arcticdata.io,