

## What is your affiliation?

V2
National Institute of Polar Research
Alfred Wegener Institute, Germany
Alfred Wegener Institute, Germany
British Antarctic Survey
CNR-ISP
Ca' Foscari University and Polar institute, Italy
Centre National de la Recherche Scientifique
Consejería de Educación y Ciencia. Junta de Andalucía. España.
Institute of Geography and Spatial Planning, University of Lisbon, Portugal
Istanbul Technical University Polar Research Center / TUBITAK Polar Research Institute
Istituto Nazionale di Geofisica e Vulcanologia (INGV)
Lamont-doherty Earth Observatory of Columbia University
NCPOR, Goa
NOAA, GOMO/ARP
National Centre for Polar and Ocean Research
National Centre for Polar and Ocean Research (NCPOR)
National Institute of Polar Research
National Snow and Ice Cata Center
Norwegian Polar Institute
Polar Knowledge Canada, Canada
Portuguese Polar Program (PROPOLAR), IGOT, University of Lisbon
SPRS
Southern Ocean Observing System
Swedish Polar Research Secretariat
TAG LLC
Turkish Armed Forces
US National Oceanic and Atmospheric Administration (NOAA) / NESDIS
University of Bristol
University of Edinburgh, UK
University of Gothenburg
University of Helsinki
World Meteorological Organization
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	22
Producing observation data	24
Using/consuming observation data	21

## Where are you located (continent)?

### The FREQ Procedure

V4	
V4	Frequency
Asia	5
Europe	23
North America	7
Oceania	1

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**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)	15
EU-PolarNet	14
European Polar Board	14
Other EU-funded programmes, like Arctic PASSION, INTERACT or other EU Polar Cluster members	20
Scientific Committee on Antarctic Research (SCAR) / SCAR Standing Committee on Antarctic Data Manage	36
Southern Ocean Observing System (SOOS)	16
Sustaining Arctic Observing Networks (SAON) (or one of its Committees: ADC or CON)	19

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**Is the interest/scope of your work?**

The FREQ Procedure

V6	
V6	Frequency
Antarctic	4
Arctic	6
Polar	26

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

The FREQ Procedure

V7	
V7	Frequency
No	4
Yes	32

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

The FREQ Procedure

DuVa14	Frequency
Networks	17
Observatories	19
Observing systems	21
Programs	20

<b>Projects</b>	20
<b>Sites</b>	19
<b>Stations</b>	18
<b>Transects</b>	11

**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	22
Simple information structures (spreadsheet, text files)	17

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

V10
1) INGV node of the Italian NADC (National Antarctic Data Center) - <a href="http://antarcticdatacenter.ingv.it">http://antarcticdatacenter.ingv.it</a> 2) INGV node for the IADC (Italian Arctic Data Center), under realization 3) eSWua database of the INGV network of ionospheric monitoring (it includes Arctic and Antarctic observatories) - <a href="http://www.eswua.ingv.it">www.eswua.ingv.it</a>
Arctic Observing Viewer (AOV); Arctic Research Mapping Application (ARMAP)
Databases
Glacier surface flow velocities, elevation change of glaciers
Global Cryosphere Watch Data Portal
Information are available in Institute website
MEOP, Glider
MGDS, USAP-DC, R2R
NSIDC Data Search
No polar dedicated database or catalogue
PANGAEA
Polar.se, sites, snd
SAON, NRDD, Arctic Data Portal, NCEI
SOOSmap and DueSouth, both provided by the Southern Ocean Observing System (SOOS)
We have a variety of all three: see <a href="https://www.bas.ac.uk/data/our-data/">https://www.bas.ac.uk/data/our-data/</a>
We have many databases dealing with observing systems.
Yes for polar datasets
both - online and catalogues
databases
databases
<a href="https://duesouth.europeanpolarboard.org/">https://duesouth.europeanpolarboard.org/</a> and <a href="http://staging.arctic-data-ecosystem.apps.nsidc.org/">http://staging.arctic-data-ecosystem.apps.nsidc.org/</a>
<a href="https://oscar.wmo.int/surface">https://oscar.wmo.int/surface</a>
<a href="https://snd.gu.se/en/">https://snd.gu.se/en/</a> ; <a href="https://data.fieldsites.se/portal/">https://data.fieldsites.se/portal/</a> ; <a href="https://www.icos-cp.eu/">https://www.icos-cp.eu/</a> ; <a href="https://www.smhi.se/en/services/open-data/search-smhi-s-open-data-1.81004">https://www.smhi.se/en/services/open-data/search-smhi-s-open-data-1.81004</a>
<a href="https://www.awi.de/en/science/long-term-observations.html">https://www.awi.de/en/science/long-term-observations.html</a>

**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	6
No	3
Yes	15
Frequency Missing = 12	

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

#### The FREQ Procedure

V12	
V12	Frequency
Openly	25
There are restrictions on access	6
Frequency Missing = 5	

### If restrictions on the access apply, please specify

V13
Accessible via NATO documents
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.
This is a longer conversation between government in exchange of data simple registration, then open for scientific use

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

V14
Accessible via NATO documents
No
Not applicable
Not yet
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	2
Yes	17
Frequency Missing = 17	

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

**V16**

The question should also have a maybe. But once again, this requires more than a simple google form to discuss access to datasets. maintaining is costly, as a univ. our activities are project based. We cannot sustain such service for long without third party funds

### 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	9
Organise the information in structured files (spreadsheet, .csv-files), following an agreed format and make it available to externals	8
Through an existing technical framework or structure within your institution and expect this to make it available to externals	16

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

The FREQ Procedure

V18	
V18	Frequency
Maybe	8
Yes	21
Frequency Missing = 7	

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**

A lot of the information that you are looking for for the Southern Ocean is already compiled and available through SOOS' DueSouth directory of forthcoming Southern Ocean cruises and fieldwork (<https://duesouth.europeanpolarboard.org/>) and SOOSmap data portal (<https://www.soos.aq/data/soosmap>)

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

NSIDC and the NSIDC DAAC are WDS nodes.

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

This needs to be discuss in a different forum.

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](http://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://ads.nipr.ac.jp/>

<https://www.ocean-ops.org/board> for Arctic ocean observations

we process data automatically and continuously

yes, [npdc.ncpor.res.in](http://npdc.ncpor.res.in)

