



DATA AND INFORMATION SERVICE FOR CliC (DISC)

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NCAR/Earth Observing Laboratory (EOL)

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Climate and Cryosphere

...a core project of the World Climate Research Programme

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D I S C

Data and Information Service for CliC

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Data and Information Service for CliC (DISC)



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Data and Information Service for CliC (DISC)

DISC is the Data and Information Service for CliC. It contains:

- Metadata from CliC datasets
- Links to web sites related to CliC
- Reports both from IACPO and WCRP
- ACSYS and CliC Newsletters

Select the type of information or data you are looking for and then use the search engine to further refine your search. All the information resides in a database and is fully searchable.

Data and Information Available

- [Datasets](#)
- [Links](#)
- [Reports](#)
- [Newsletters](#)

Datasets

DISC contains Metadata about CliC datasets. Metadata is information about data. It contains information such as the content of the datasets, its location, contact persons, etc. The metadata format used here is based on the ISO 19115 Geographic Metadata International Standard. We use the WMO Core Metadata profile as a basis for the structure of our database.

You can search the metadata by using the Search Interface provided below. Please refer to the [Help](#) page if you have any problems using the interface.

Datasets Statistics	
Category	Number of Datasets
Frozen Ground	1
Glacier	3
Iceberg	2
Ice Caps	1
Ice Sheets	0
Ice Shelves	0
Lake Ice	0
Permafrost	8
River Ice	0
Sea Ice	70
Snow	42
Total	127
Number of unique datasets	114
Number of CliC datasets	0
Number of CliC Related datasets	114

Search Datasets	
Category	All ▾
WCRP Project	All ▾
Areal Extent	All ▾
Search String in	All ▾
Results per page	10 ▾
String Type	<input checked="" type="radio"/> Exact Phrase <input type="radio"/> All Words <input type="radio"/> Any Words
String (Optional)	<input type="text"/> <input type="button" value="Search"/> Help

Note: You can click Search without entering a string. It will display all the results based on your selection for the other parameters and they can all be left at "All". See [Help](#) for more detail.

Content of DISC

Cryosphere Datasets	Newsletters
<ul style="list-style-type: none"> • Frozen Ground • Glacier • Iceberg • Ice Caps • Ice Sheets • Ice Shelves • Lake Ice • Permafrost • River Ice • Sea Ice • Snow • Modelling 	<ul style="list-style-type: none"> • ACSYS Arctic Forecast • Ice and Climate News • Others?
	<p style="text-align: center;">Publications</p> <ul style="list-style-type: none"> • Papers • Books • Proceedings • Others?
Cryosphere Links	Reports
<ul style="list-style-type: none"> • Data Project, Data Centers • Institutions, Committees, Organizations • Observing Programs • Projects • Studies • Others 	<ul style="list-style-type: none"> • ACSYS • CliC • WCRP • WMO • Others?

Metadata Database

- Data and Information Service for CliC (DISC)
 - <http://cllc.npolar.no/disc/disc.php>

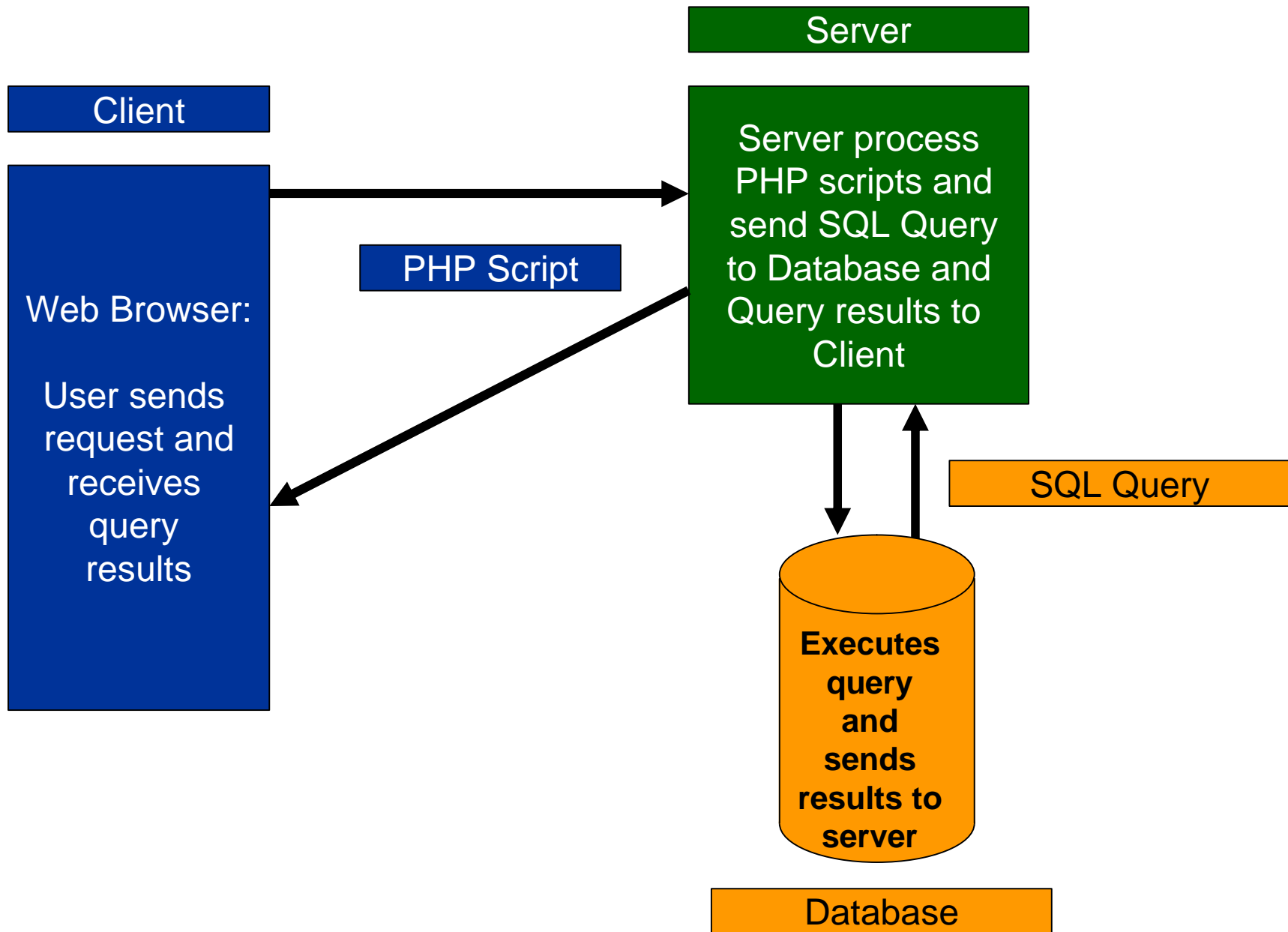
Metadata Standard

- WMO Core Metadata Profile – ISO 19115 Standard

Database Properties

- **Server:** Apache/Linux (Free, Open Source)
- **Database:** MySQL (Free, Open Source)
- **Database Interface:** phpMyAdmin (Free, Open Source)
- **Scripts:** PHP (Free, Open Source)
- **Web pages:** XHTML 1.0 , CSS 2.0, Javascript, Works on all standard compliant web browsers
- **Metadata Exchange:** XML





File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop <http://acsys.npolar.no/adis/m> Search Print

Home Bookmarks

ACSYS Data and Information Service (ADIS)

Meta data	
Title	SHEBA: 1998, Buoy: IABP Twelve-hourly Pressure & Temp Data (Moritz)
Organization	SHEBA Project Office
Contact	<p>Name: Richard Moritz Adresse: Polar Science Center, APL University of Washington 1013 NE 40th Street Seattle WA 98105-6698 USA</p> <p>Phone: (206) 543-8023 Fax: e-mail: dickm@apl.washington WWW:</p>
Description	During SHEBA, the Polar Science Center at the University of Washington deployed a network of automatic buoys for monitoring synoptic-scale fields of pressure, temperature, and ice motion throughout the Arctic Basin. This dataset contains twelve-hourly pressure and temperature fields. For more information, please see the readme file.
Category	Atmosphere, Meteorology, Cryosphere, Sea Ice
WCRP Project	ACSYS Related, CLIC Related
Project	SHEBA
Areal Extent	Arctic Ocean Western Longitude : -170 Eastern Longitude : -130 Southern Latitude : 70 Northern Latitude : 80 Map
Horizontal Resolution	point data

Transferring data from ipo.npolar.no...



Results

Type	String	Field	Found
All	Geophysical Research	All	7

Cryosphere Publications

Title	Abreviation	Type	Search
Geophysical Research Letters	Geophys. Res. Lett.	Journal	Search
Journal of Geophysical Research - Atmosphere	J. Geophys. Res. (D)	Journal	Search
Journal of Geophysical Research - Oceans	J. Geophys. Res. (C)	Journal	Search
Journal of Geophysical Research - Planets	J. Geophys. Res.-Planets (E)	Journal	Search
Journal of Geophysical Research - Solid Earth	J. Geophys. Res.-Solid Earth	Journal	Search
Journal Of Geophysical Research - Space Physics	J. Geophys. Res-Space Phys. (A)	Journal	Search
Marine Geophysical Researche	Mar. Geophys. Res.	Journal	Search

Publications

Type

All ▾

Keyword(s)

Geophysical Research

Search Keyword(s)String in ...

All ▾

Keyword(s) type

Exact Phrase ▾

Search

Search


DISC

Select a page ▾

[Help](#)

Data Explorer for CliC (DEC)

DEC
Data Explorer for CliC - DEC



Navigation

Zoom/Pan

Zoom Factor

Full Extent

Cryosphere

All

Glacier

Iceberg

Ice Caps

Ice Sheets

Display Cryosphere by

Coverages

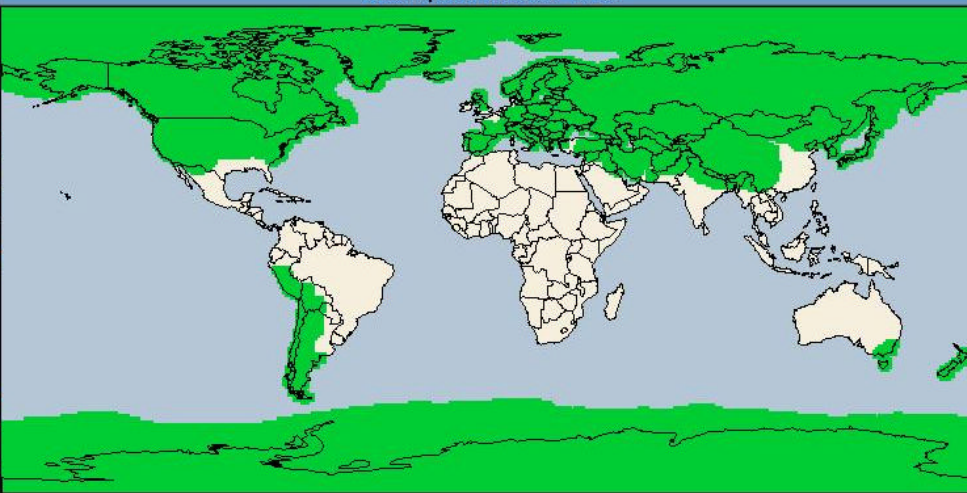
Info-Query Order by

Country

Basemap

Low-Resolution

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Cryosphere Coverages for Snow
 Snow


Center Latitude 0.00
Center Longitude 0.00
Zoom from original 1.00

Countries with Cryosphere

Country	Cryosphere
Afghanistan	Frozen Ground, Glacier, Lake Ice, Permafrost, River Ice, Snow
Algeria	Frozen Ground, Snow
Andorra	Frozen Ground, Glacier, Lake Ice, Permafrost, River Ice, Snow
Antarctica	Frozen Ground, Glacier, Iceberg, Ice Caps, Ice Sheets, Ice Shelves, Lake Ice, Permafrost, River Ice, Sea Ice, Snow
Argentina	Frozen Ground, Glacier, Ice Caps, Lake Ice, Permafrost, River Ice, Snow
Armenia	Frozen Ground, Glacier, Lake Ice, River Ice, Permafrost, Snow
Australia	Frozen Ground, Snow
Austria	Frozen Ground, Glacier, Lake Ice, River Ice, Permafrost, Snow
Azerbaijan	Frozen Ground, Glacier, Lake Ice, River Ice, Permafrost, Snow
Belarus	Frozen Ground, Lake Ice, River Ice, Snow
Belgium	Frozen Ground, Snow
Bhutan	Frozen Ground, Glacier, Lake Ice, River Ice, Snow, Permafrost
Bolivia	Frozen Ground, Glacier, Lake Ice, River Ice, Permafrost, Snow
Bosnia and Herzegovina	Frozen Ground, Snow
Bulgaria	Frozen Ground, Snow
Canada	Frozen Ground, Glacier, Iceberg, Ice Caps, Lake Ice, Permafrost, River Ice, Sea Ice, Snow
Chile	Frozen Ground, Glacier, Ice Caps, Lake Ice, Permafrost, River Ice, Snow
China	Frozen Ground, Glacier, Ice Caps, Lake Ice, Permafrost, River Ice, Snow
Colombia	Frozen Ground, Glacier, Permafrost, Snow

Done


DISC



Datasets

Zoom to Region
Global - All

Category
All
Glacier

Project
All

Time Range

Year **Month**

Start 0000 All

End 9999 All

Map
 Yes No

Search

Keyword(s): Snow melt

Search in: Title

Submit

DISC

Select a page

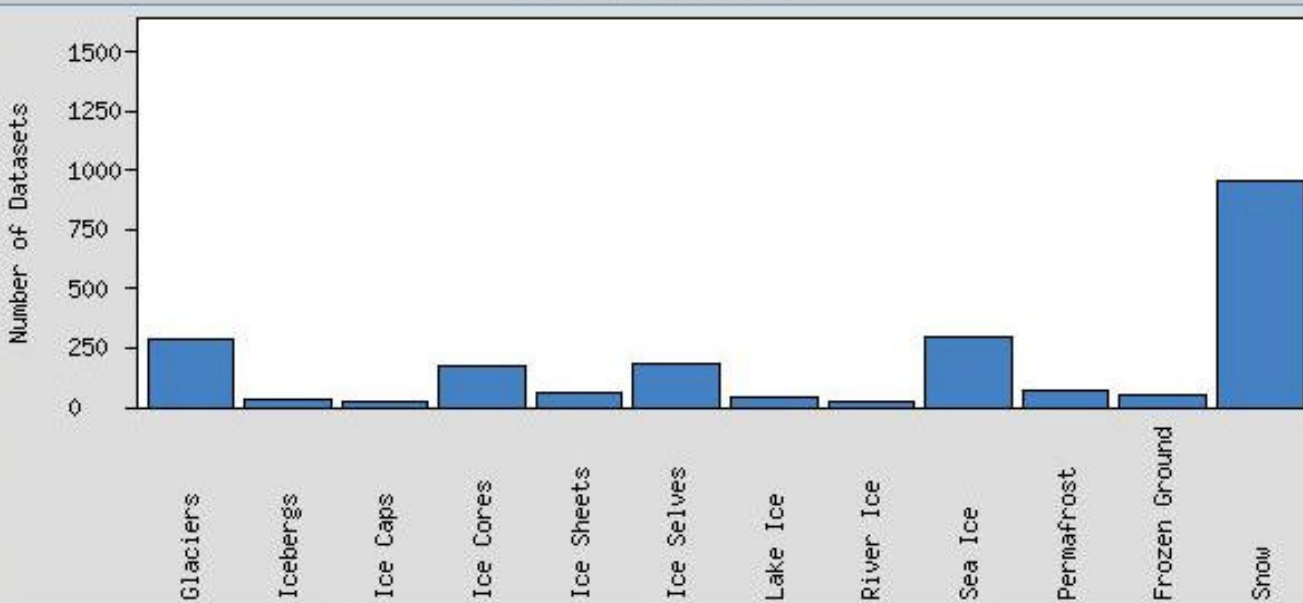
[Stats](#) [Add](#) [Help](#)

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Data and Information Service for CliC (DISC) - Datasets


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Datasets Statistics



Category	Number of Datasets	Category	Number of Datasets
Glacier	285	Lake Ice	43
Iceberg	37	River Ice	21
Ice Caps	21	Sea Ice	300
Ice Cores Records	178	Permafrost	74
Ice Sheets	181	Frozen Ground	48
Ice Shelves	57	Snow	955
Number of unique datasets		1646	
Data Centers and Data Projects		120	

DISC - Datasets

DISC		Data and Information Service for CliC (DISC) - Datasets			
 <p>Datasets</p> <p>Zoom to Region</p> <p>Global - All</p> <p>Category</p> <p>All Glacier</p> <p>Project</p> <p>All</p> <p>Time Range</p> <p>Year Month</p> <p>Start 0000 All</p> <p>End 9999 All</p> <p>Map</p> <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>Search</p> <p>Keyword(s): Snow melt</p> <p>Search in: Title</p> <p>Submit</p> <p>DISC</p> <p>Select a page</p> <p>Stats Add Help</p>		Project Office ACSYS CliC Data & Info Contact Us			
		<p align="center">How to add Metadata to DISC?</p> <p>Quick Access</p> <ul style="list-style-type: none"> • Add your metadata to DISC via GCMD • Update your metadata via GCMD <p>Metadata?</p> <p>Metadata is information about a dataset, such as the title, the geographical location, the time period, the parameters, contact person, etc. Metadata makes it easier for a researcher to first find a dataset and then make an informative decision on the relevance of the dataset for their own research. If you want to make your dataset known to the research community, it is very important to catalog you metadata in a metadata centre and to store your data in a recognized national or international data centre. The data centre will ensure that your data is stored in a safe facility and can provide easy access to the actual data for other researchers. If you so wish alternatively, most Data Centres can restrict access to your data based on your own requirements allowing you for example to analyze your data first but still letting other researchers know of the upcoming availability of your datasets. The metadata centre usually does not store data but only metadata and will ensure that researchers can find your dataset.</p> <p>There are several metadata standards in the world, but only one is ISO recognized, ISO 19115. DISC uses the WMO Core Metadata Profile and it is based on and fully compliant with the ISO standard. Having a standard is very important for the interportability of metadata between metadata centres and researchers.</p> <p>Adding your Metadata to DISC</p> <p>DISC has a Memorandum of Understanding (MOU) with the Global Change Master Directory (GCMD), where DISC can extract all the Cryosphere metadata registered at GCMD and use it in its own search engine and display system. If you want your metadata</p>			
© CIPO		DISC - Datasets			



Global Change Master Directory

a directory to Earth science data and services

[About Us](#) | [FAQ](#) | [Contact Us](#) | [Site Map](#)[Home](#) | [Data Sets](#) | [Data Services](#) | [Collaborations](#) | [Add to GCMD](#) | [What's New](#) | [Participate](#) | [Calendar](#) | [Links](#)

- Enter a Data Set
- Enter a Data Service
- Data Set (DIF) Writer's Guide
- Services/Tools (SERF) Writer's Guide
- Supplemental Description Writer's Guide
- Keywords
- Help Center
- Questions?

Add Data Set and Services Descriptions to the GCMD

Welcome! You can add (or modify) descriptions of data sets or data services with our docBUILDER web-based tools.

Add a description to the GCMD:

- Create or modify a [data set description](#)
- Create or modify a [data service description](#)

Online guides for describing all of the metadata fields are available:

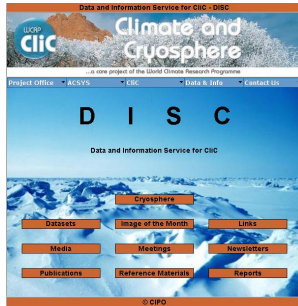
- The [Directory Interchange Format \(DIF\) Writer's Guide](#) for creating **data set descriptions**.
- The [Services Entry Resources Format \(SERF\) Writer's Guide](#) for creating **data services descriptions**.

You can also use our tools to add **supplemental descriptions** of Projects or Campaigns, Instruments, Platforms, or Data Centers:

- Create or modify a [Project or Campaign description](#)
- Create or modify an [Instrument description](#)
- Create or modify a [Platform description](#)
- Create or modify a [Data Center description](#)

The online guide for describing the [supplemental metadata fields](#) is also available.





DISC Development

- Add metadata for all Cryosphere Datasets
- Full compliance to WMO Core Metadata Profile
- XML format for metadata exchange
- GIS Mapserver for Global Cryosphere Exploration
 - Display Extent of Cryosphere Datasets
 - Cryosphere by Countries
 - Cryosphere by Examples
 - Individual Cryosphere fact sheets
 - Real-Time Cryosphere
- Cryosphere Researchers Database





Possible CliC-CEOP Collaboration

- Exchange CEOP Reference Site data/metadata in the cryospheric region and other GHP data/products as required
- Exchange special satellite data/products generated from platforms (e.g. ICEsat, ERS....)
- Exchange datasets as a result of CliC and CEOP facilitated studies during IPY
- Model Output and supporting data and information (e.g. assimilation products)
- Other IPY data collection efforts (e.g. AON, Arctic and Antarctic Buoy, GTS Met....)



CliC-CEOP Reference Sites Considerations



Potential sites include:

- Svalbard,
- Chinese Glacier No. 1,
- Alert (Canada),
- European Alps
- Niwot Ridge LTER site (Colorado),
- Antarctica
- Andes mountains



CliC, DISC, DMIP and IPY Activities

CliC SSG Meeting

November 2005



Proposed IPY Data Policy

- Respect and preserve traditional knowledge and cultural heritage
- Encourage free and unrestricted data exchange
- Require timely exchange
- Include quality control measures
- Require submission of 'catalog' and 'detailed' metadata
- Preservation of data
- Encourage easy access to data
- Use of existing international data centers (WDC, etc.) and exchange mechanisms
- Data reporting to recognized centers
- Require appropriate data attribution and acknowledgement