

User guidelines for Ny-Ålesund GIS


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Svalbardkartet

Svalbardkartet and information about research objects (instrument, installations and field sites) in Ny-Ålesund. The information is available for all – not logged in user is necessary.


You can find information about the Ny-Ålesund research objects in a separate layer in Svalbardkartet: <https://svalbardkartet.npolar.no>.

You can activate the topic from the left side menu. Click on the “+” to see the legend. All information in Svalbardkartet is open to all, so no log-in is required.

Zoom in the object you want to explore. To get detailed information about an object, first activate the “Identify”-function  from Basic Tools and then click on or more object of interest. A list of the selected objects is shown in the left-hand panel. Now click on one of them for detailed information.

Search function

The search function is found in the toolbar in the top left corner: Choose Find Data, and press the

Magnifying glass with question mark . Set the data source to Science objects – Current (or Historical if you would like to search historical items). Now you can design your search. You can have a AND or a OR search, and add as many conditions and subclause as you like. You can search in all of the defined attributes.

F.eks Disipline = Atmosphere AND Object Type = Instrument, gives you all atmosphere instrument.

You can choose between two background layers: the normal map (Basiskart) and Orthophoto (Ortofoto).

Interface

Interface to add or edit info about Ny-Ålesund research objects in Svalbardkartet. A logged in user is required. Each NySMAC member has one user. Contact the NySMAC secretariat at nysmac@npolar.no if you need help.

The interface part of the system where you add or edit object information is found here: https://geokart.npolar.no/Html5Viewer/Index.html?viewer=NyA_research_objects#

Choose ArcGIS online as logon option and log in with your username and password.

User manual

- To add a new object: Press the Plus bottom on the top menu. Enter all the necessary information. See the help texts for details.

- Edit info about one object: Choose the object of interest. Click it. Choose Edit. Now you can choose if you want to add an extent to that object, edit the object extent or edit the object attribute or location.
- Observed variable should be selected from the list of GCMD science keywords (NASA Global Change Master Directory). The field has an automatic autocomplete function towards the GCMD keyword database. You just start to enter part of the variable name, and a list of different options is given. Please note you can add more than one keywords. The complete list of science keywords can also be downloaded from <https://gcmdservices.gsfc.nasa.gov/static/kms/>
- If you include an attachment, please use a descriptive name on the file.

Also in the interface you can choose between two background layers: the normal map (Basiskart) and Orthophoto (Ortofoto). The Orthophoto option is based on high resolution aerial photos and is excellent then placing an object in the terrain.

Data model for the research objects

Mandatory fields

- Location (lat and long)
- Object name. Keep it short and concise
- Object type: Choose from a domainlist: instrument, installation, field site
- Institution. Choose between institutions in domain list
- Country. Country of institute
- Start date. If unknown set to 01.01.1900
- Discipline. Choose from domain list. Same as used in RIS
- Edited by. Name of person who edited the metadata
- Name of institution which is allowed to edit information about object

Optional fields

- Geographical name
- Platform. Choose between platforms in the domain list
- Name of contact person
- Email of contact person
- End date. Leave blank if ongoing
- RIS number for related project
- DOI number of dataset
- GCMD observed variable. It is possible to add several keywords.
- Object activity: frequency, seasonal, etc.
- Free text description of the object.