

# How to access Pléiades Glacier Observatory (PGO) digital surface models (DSM) from the A2S website

### 1. Catalogue access

Note that open access is restricted to DSM. users will need to sign a specific licence to access the ortho-images (contact point Etienne Berthier, <u>etienne.berthier@univ-tlse3.fr</u>). Read first <u>this document</u>.

#### 1.1 If you don't have a Theia/Form@ter account yet

1. Go to the repository homepage (<u>https://a2s-dissemination.u-strasbg.fr</u>), then

2. Click on "Register" (on TerraDue) and create a new account, using an institutional email address only (no gmail or similar).

3. Go to your mailbox for validation

4. Send an email to <u>jeanphilippe.malet@unistra.fr</u> & <u>etienne.berthier@univ-tlse3.fr</u> to inform us about your registration

- 4. Be patient so that your account is verified and validated.
- 5. Then Sign in using your TerraDue account credentials
- 6. If everything worked, you should be able to see the PGO collection (see Figure 1).
- 7. Do not hesitate to try on a different web browser otherwise and contact us.

#### 1.2 If you already have an account

Users who already have an account can access to the catalogue (Figure 1) directly after **Sign** in on the repository home page (<u>https://a2s-dissemination.u-strasbg.fr</u>).



Figure 1 – Page showing available products

## 2 Data selection

Once the catalogue **MNS-PGO** has been selected, a world map opens. To view all PGO DSM, change the count parameter in the search window to 500 (Figure 2). For that, click **on Advanced search form** (magnifying glass at top left) and then **Show other parameters**. Also, to display the selection/navigation tools, move the cursor over the red zone to the upper left corner of the map (Figure 3).

Tip: Do not hesitate to change the background layer, for visibility or to display glaciers (OSM)

TERRA FORMOTER OFFICIA	MNS - PGO		MNS - PGO
Q 🔳	Q Filter results	۹ 🔳	Q Filter results
Search	•	Search	
searchTerms	•	searchTerms	
productType			
eop:productType	Bassa di Bassidia	eop:productType	
start 😧	10 C 7		
time:start 🛍	din the same a	time:start	
end 😧		and Q	•
time:end 🛍		time:end	wkt
Hide Other Parameters	North	Lilda Othan Damandara	( Constant of the second se
orbitDirection	Pacific	A Hide Other Parameters	R Pacific
eop:orbitDirection 👻	Ocean	eop:orbitDirection	Ocean
count	and the second		
500		500	
cloudCover 🕄		doudCover 9	
eop:cloudCover		eop:cloudCover	
sensorResolution	1. S. 1.	sensorResolution	
eop:sensorResolution	South	eop:sensorResolution	South
sensorType	New Ocean	sensorType	Pacific
Q Search	Zealand		New Ocean Zealand
	Lon: -134.648 Lat: 30.449	Q Search	Lon: 161.719 Lat: 14.264
de Strasbourg			

Figure 2 - Edit count parameter

Figure 3 - Display map selection tools

One can draw a geographic area corresponding to the search. And also, to refine the search by glacier name or acquisition period.





Figure 4 - Before geographical selection



To unset the geographical selection, move your mouse on the "spatial" button to the right of the "Filter results" search box (Figure 6)

#### Figure 6 – unset the spatial filter



## 3 Data download

Once the desired data item is located, click either on its preview and then **Show details**, or click on **Show details** in the list of available DEMs (Figure 7). After selecting the DEM, click on the **Download** button at the bottom left of the page (Figure 8). A compressed file (.tar.gz) will start downloading with the elevation data and related files of information, data structure and readme files.





Figure 7 - Show DEM details

Figure 8 - Download data