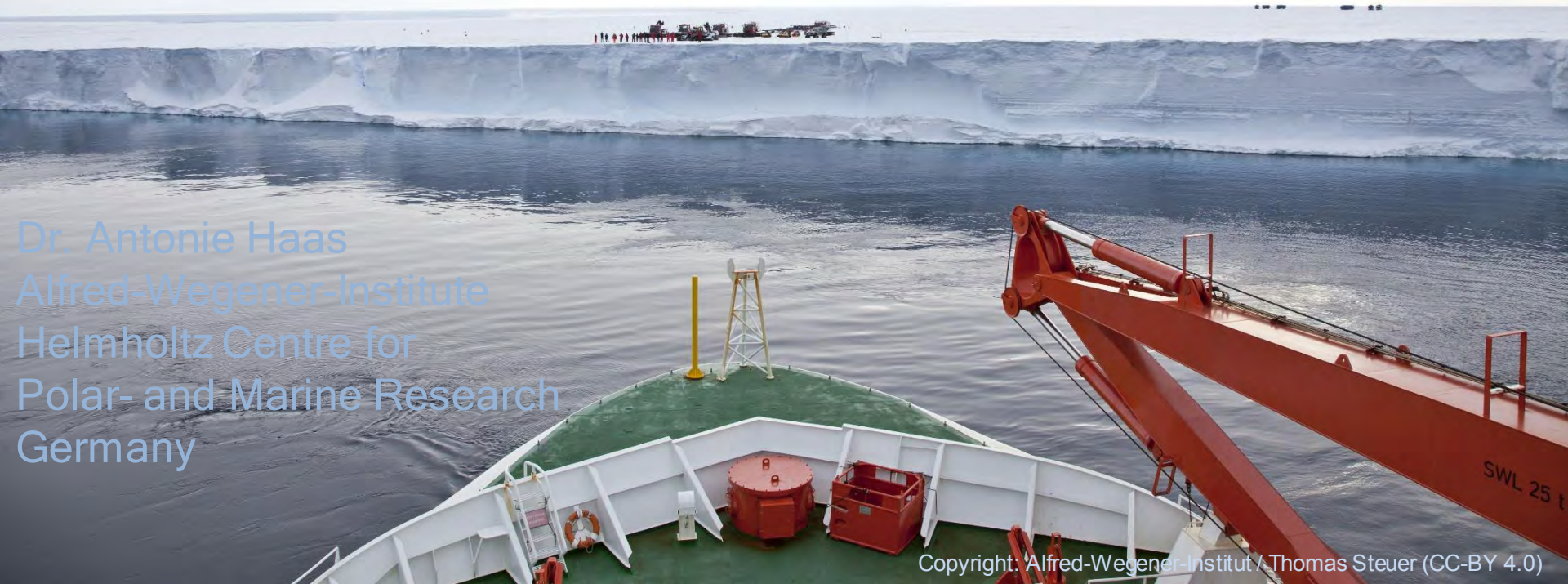


SCAR 2020

Standing Committee on Antarctic Geographic Information

Dr. Antonie Haas
Alfred-Wegener-Institute
Helmholtz Centre for
Polar- and Marine Research
Germany

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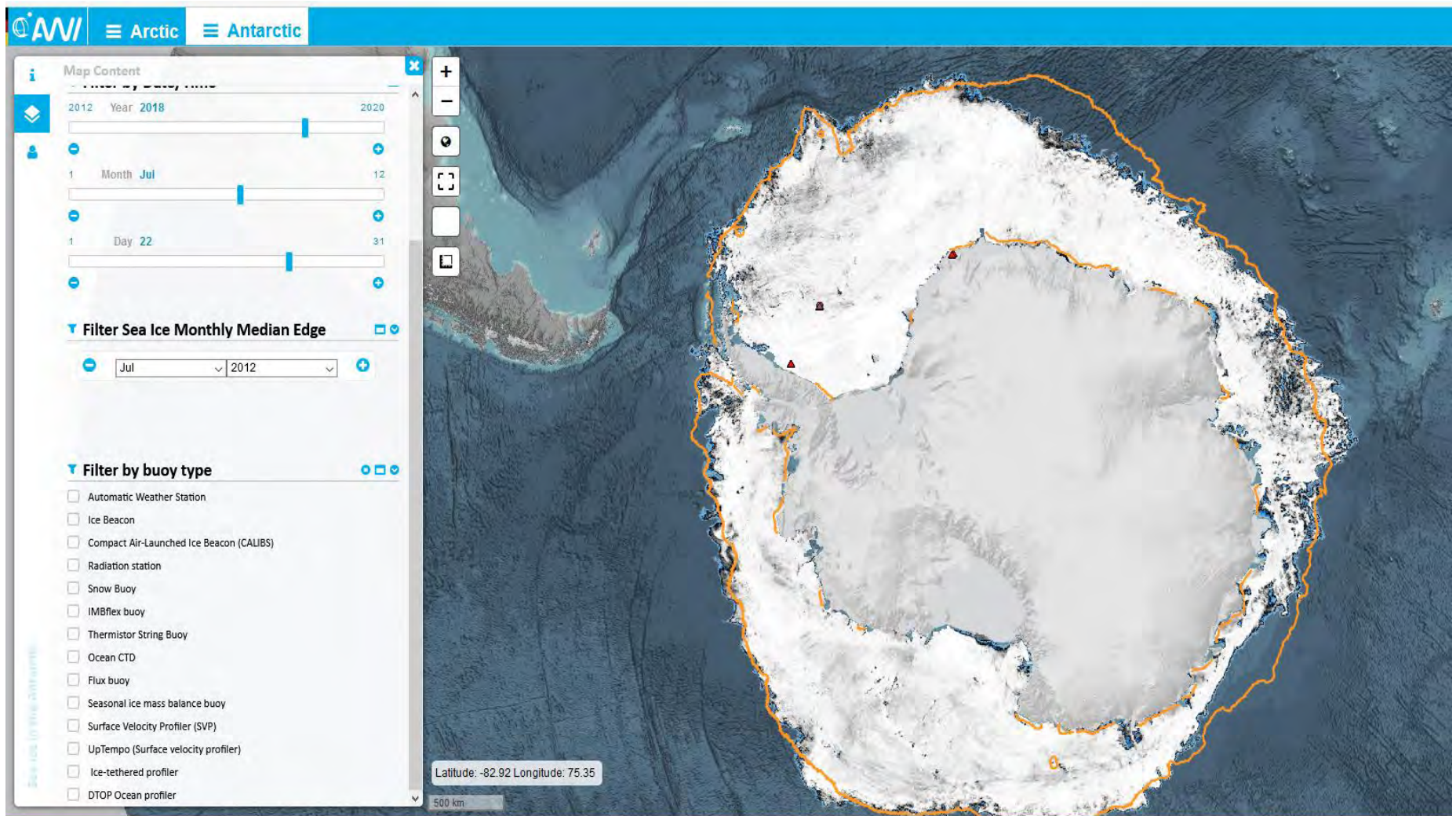


Overview



- New marine data services online
- New terrestrial ESA GlobPermafrost permafrost data services online
- Report on SCAGI products

Sea ice, buoys and more



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Northern Antarctic Peninsula- Seafloor photographs



Northern Antarctic Peninsula - Seafloor photographs

As a contribution to the international Scientific Research Program "Antarctic Thresholds - Ecosystem Resilience and Adaptation" (AnT-ERA) of the "Scientific Committee on Antarctic Research" (SCAR) and to the ecological working programme "Dynamics of Antarctic Marine Shelf Ecosystems" (DynAMo) of the Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven (AWI) the Ocean Floor Observation System (OFOS) was deployed during expedition PS81 (ANT-XXIX/3) of RV Polarstern. Sea-bed photographs were taken along 30 drift profiles (=stations) at water depths between 35 and 780 m on both sides of the northern Antarctic Peninsula in January to March 2013

Keywords

Seabed photographs , Northern Antarctic Peninsula, Benthos, OFOS, AnT-ERA, SCAR, RV Polarstern, WebGIS

References

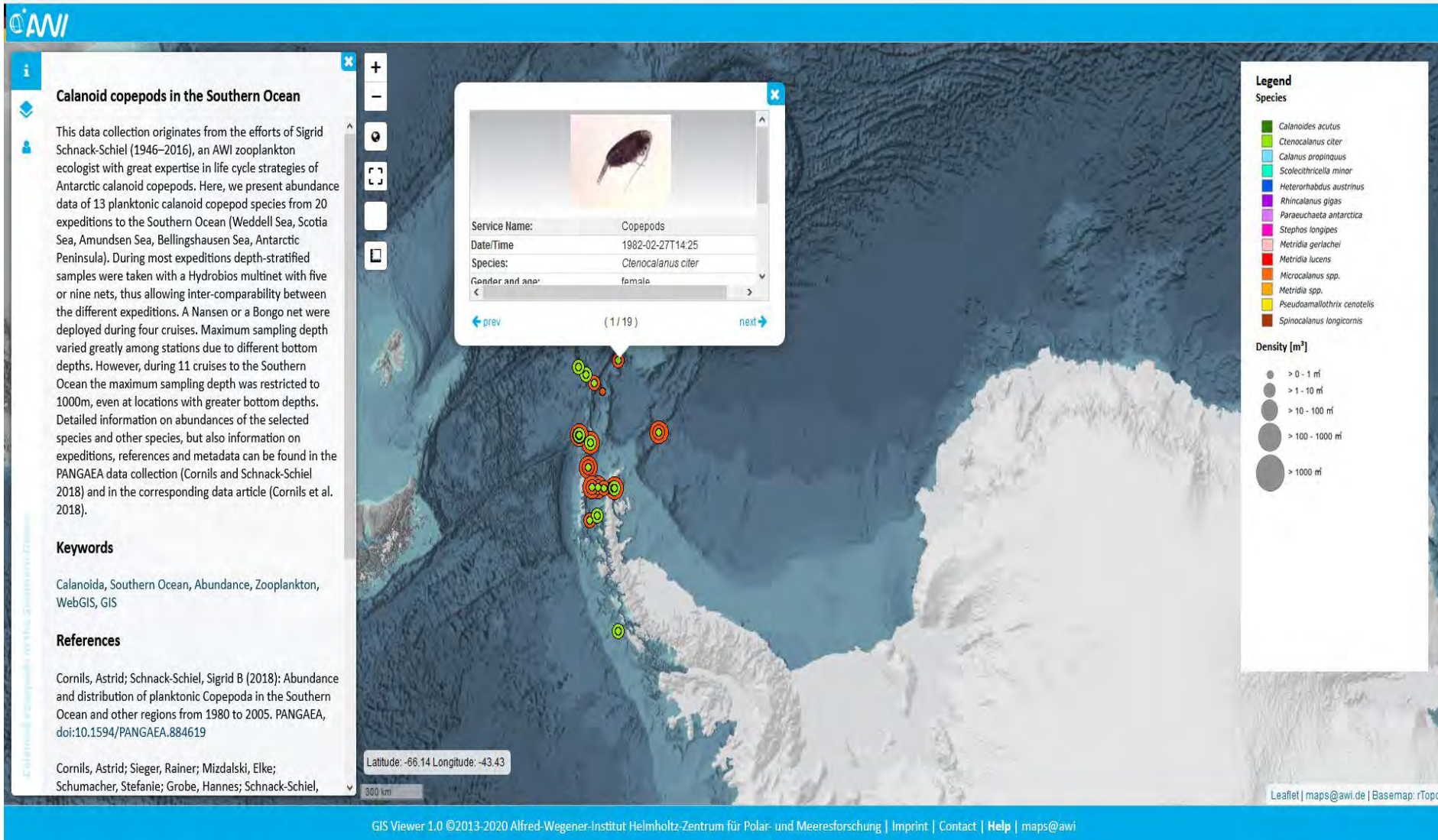
Seabed images from Southern Ocean shelf regions off the northern Antarctic Peninsula and in the southeastern Weddell Sea (Earth Syst. Sci. Data, 9, 461-469, 2017)
doi.org/10.5194/essd-9-461-2017
Data:
doi.org/10.1594/PANGAEA.872719 (PS81 2013)
doi.org/10.1594/PANGAEA.862097 (PS96 2015/16)

Latitude: -62.56 Longitude: -56.44

Leaflet | maps@awi.de | Basemap: rTopo

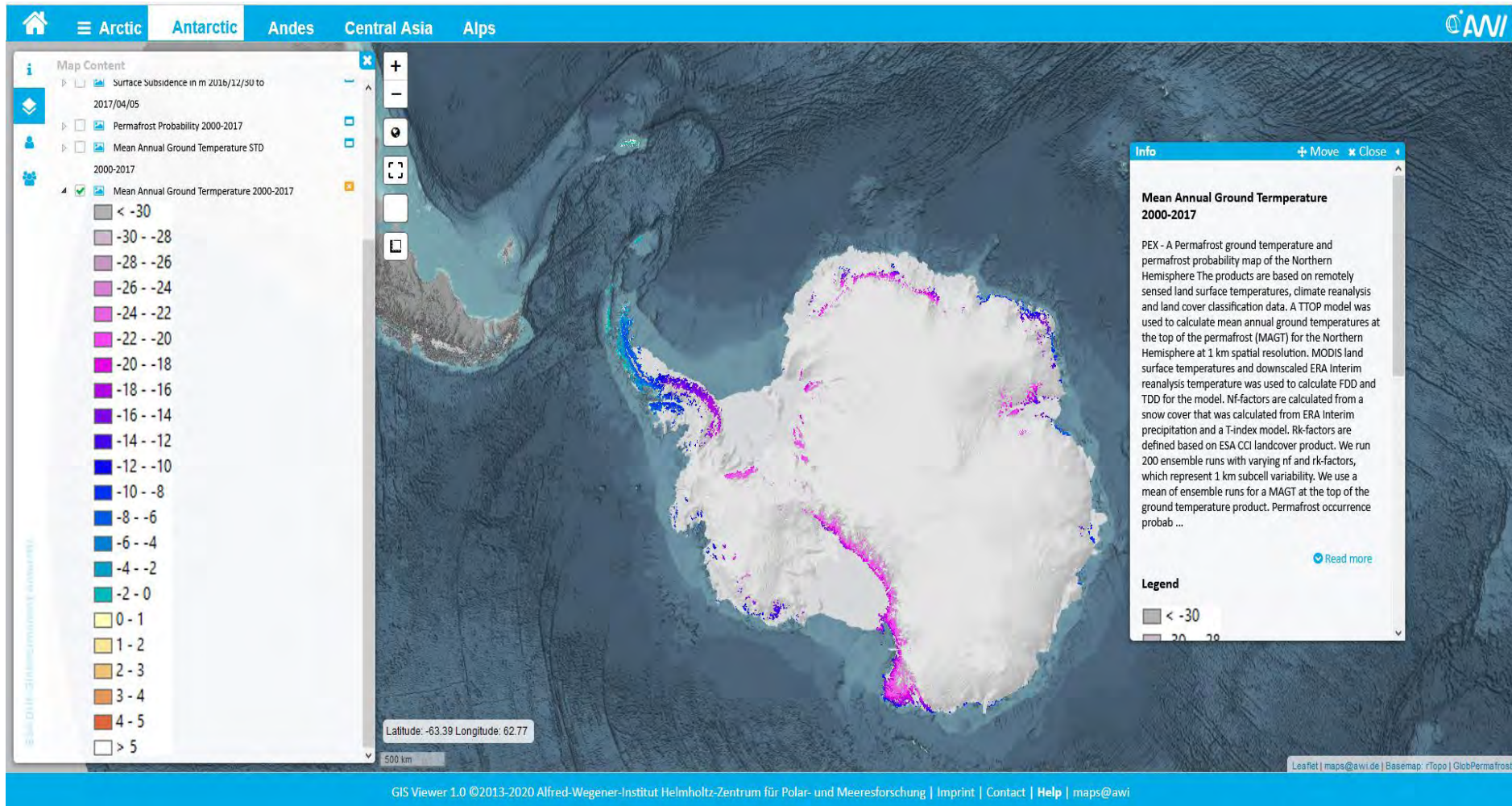
GIS Viewer 1.0 ©2013-2020 Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung | Imprint | Contact | Help | maps@awi

Calanoid copepods in the Southern Ocean



Model data:

Mean Annual Ground Temperature 2000–2017 

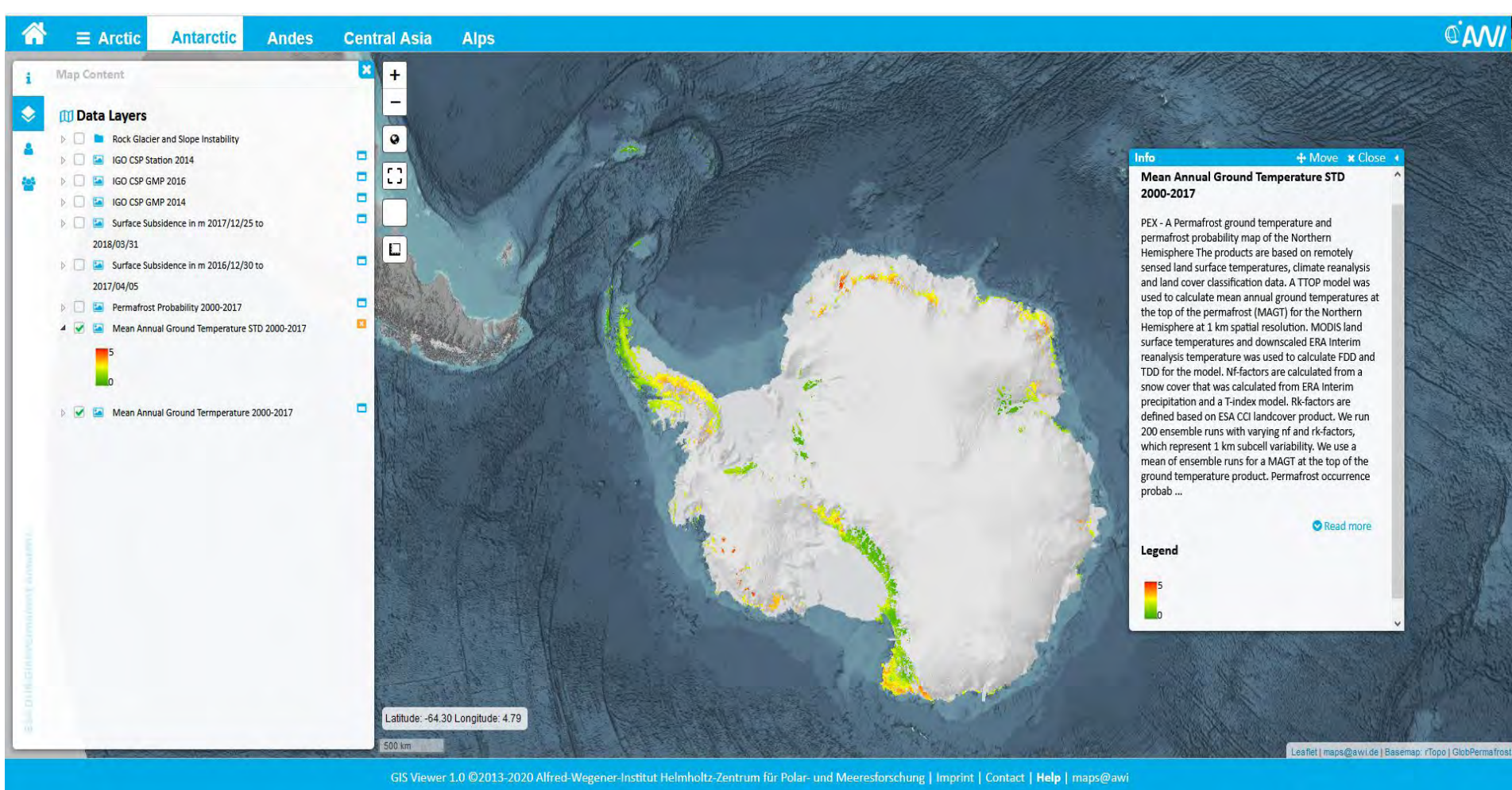


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[ESA -GlobPermafrost Project](https://www.esa-geoscientific.com/en/projects/globpermafrost)

Model data:

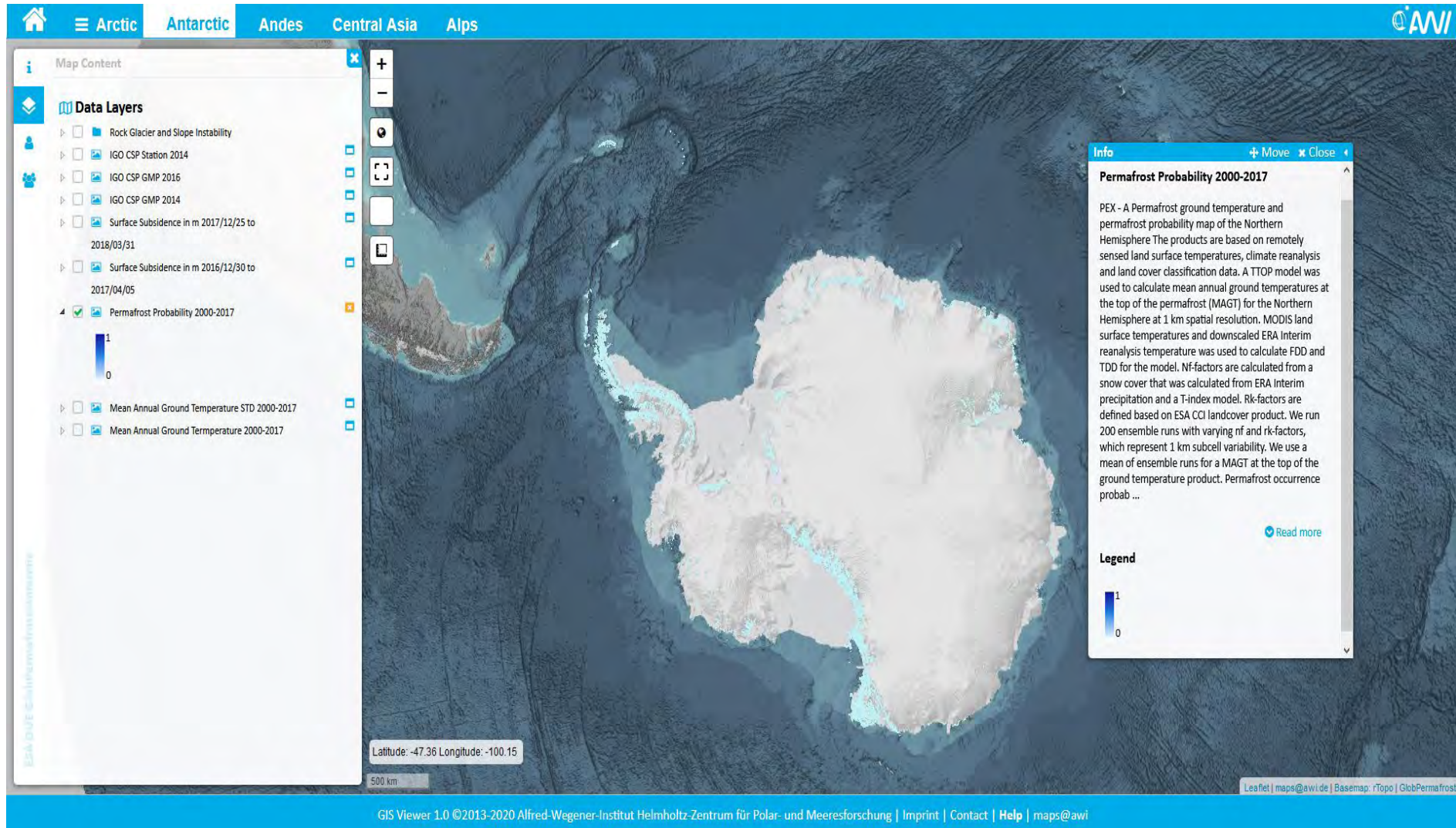
Mean Annual Ground Temperature STD 2000-2017



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[ESA -GlobPermafrost Project](https://www.esa-geoscienceportal.org/GlobPermafrost)

Model data: Permafrost Probability



latitude	longitude	place_name_gazetteer	gaz_id
-62,15	-58,9333	Geschiebebach	106891
-62,15	-58,9333	Gletscherbach	106893
-62,15	-58,9333	Moränenbach	107005
-62,15	-58,9333	See-Elefanten-Bach	107100
-62,15	-58,9333	Schrammenbach	107089
-62,15	-58,95	Moosbach	107004
-62,15	-58,95	Berlininseln	106811
-62,15	-58,95	See-Elefanten-Bucht	107101
-62,1667	-58,95	Walsee	107150
-62,1667	-58,95	Muschelsee	107010
-62,1667	-58,95	Schneesee	107084
-62,1667	-58,9667	Granitbach	106901
-62,1667	-58,9667	Granitbucht	106902
-62,1667	-58,9667	Schneebach	107083
-62,1667	-58,9667	Walbucht	107147
-62,1667	-58,9667	Muschelbach	107008
-62,1667	-58,9667	Walbach	107146
-62,1667	-58,9667	Seebärenbach	107102
-62,1667	-58,9667	Basaltbach	106804
-62,1833	-58,9167	Normbach	107025
-62,1833	-58,9167	Südliche Collinsmoräne	107124
-62,1833	-58,9167	Nordpassage	107022
-62,1833	-58,9833	Hochbach	106923
-62,1833	-58,9833	Skuabach	107111
-62,1833	-58,9833	Skuabucht	107112
-62,1833	-58,9833	Möwenbach	107006
-62,1833	-58,9833	Seeschwalbenbach	107104
-62,2	-58,9333	Steinbach	107118
-62,2	-58,9333	Kiesbach	106951
-62,2	-58,9333	Holzbach	106929
-62,2	-58,9667	Kiteschbach	106952
-62,2	-58,9667	Zentralpassage	107174

Multiple features share
coordinates

Multiple countries share features

[illegible]

- Three features approved in 2019, no features in 2020 so far
- Historical maps and UAV: moderate progress



Thank you!