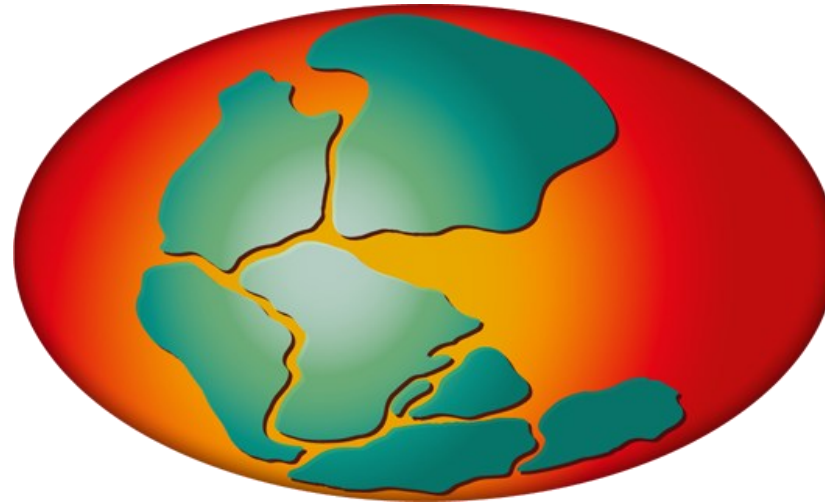


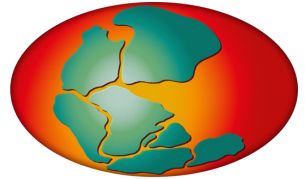
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Amelie Driemel, PANGAEA Team

Bremerhaven, Coordination Workshop SPP 1158, 2025-09-30

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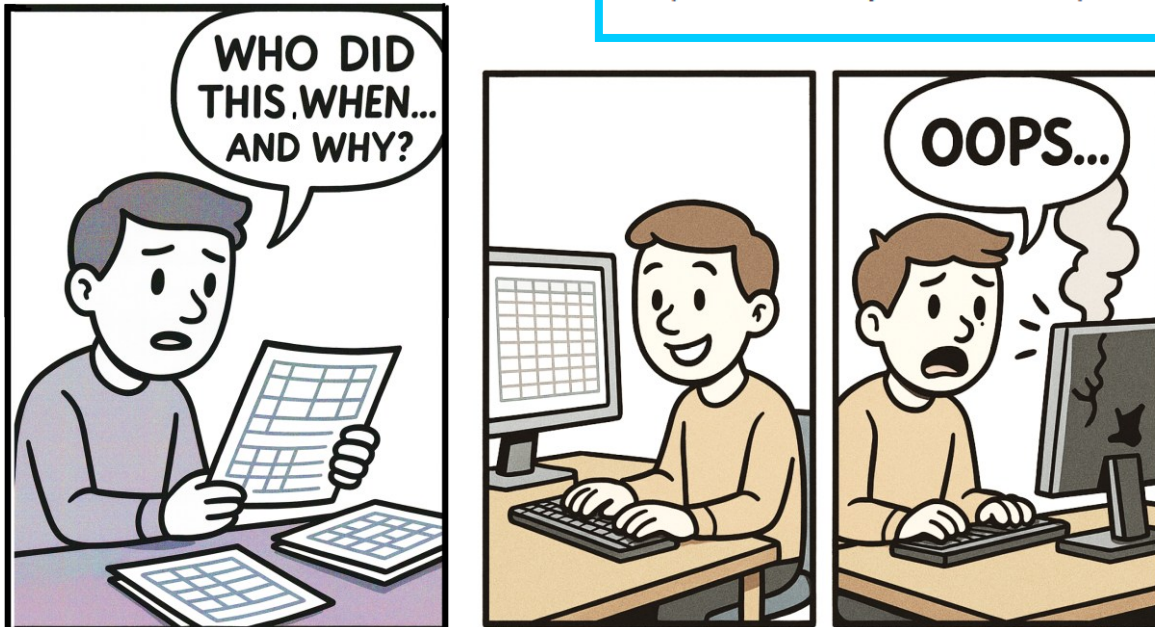


DFG

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Forschungsgemeinschaft

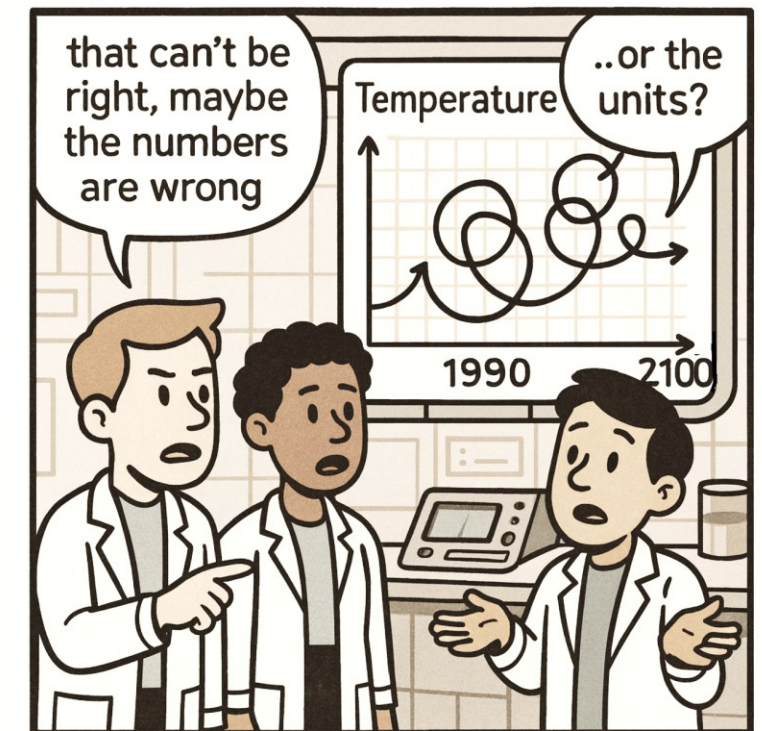
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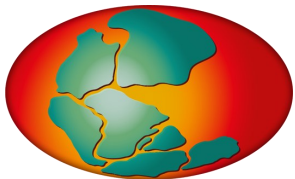
Because shit can happen...

Because of the future...



.... maybe it's not Temperature?

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SORT	SPP	DATE	STAGE	TL	SEX	SVL	ZSVL	TAL	MAL	ECC	ECP	RBC	RBP
1	TAGR	7/15/13	M	33	U	18.38	0.106	14.32999992	0	0	0	1	1
2	TAGR	7/15/13	M	31	U	15.25	-0.452	16.10000038	0	0	0	3	1
3	TAGR	7/15/13	M	23	U	14.29	-0.623	9.079999924	0	0	0	2	1
4	TAGR	7/15/13	M	25	U	13.76	-0.717	11.57	0	0	0	0	0
5	TAGR	7/15/13	M	20	U	12.61	-0.922	7.77	0	0	0	18	1
6	LICA	8/5/13	M	63	M	62.9	1.806		0	14	1	0	0
7	LICA	8/8/13	M	61	F	60.98	1.591		0	472	1	1	1
8	LICA	8/8/13	M	60	F	60.14	1.497		0	0	0	0	0
9	LICA	8/5/13	M	59	M	59.39	1.413		0	76	1	0	0
10	LICA	8/8/13	M	58	F	58.27	1.288		0	146	1	99	1
11	LICA	7/1/13	M	58	M	57.71	1.226		0	0	0	0	0

TABLE 2.—COMPARATIVE X-RAY DATA FOR PHOSPHORITES. DATA AND MOST INDICES FOR FRANCOLITE ARE FROM MCCONNELL (1938). THIS SAMPLE IS A CARBONATE FLUORAPATITE (COLLOPHANE) FROM GEDON, POLAND (NOW USSR), CONTAINING 51.0% CaO, 5.8% CO₂, 33.5% P₂O₅, 3.5% F, 0.5% MgO, AND 3.2% H₂O. THE FLORIDA SAMPLE IS A LAND PEBBLE FROM THE LAKELAND REGION OF CENTRAL FLORIDA, AND REPRESENTS REWORKED MIDDLE TERTIARY PHOSPHORITE. THE PUNGO RIVER SAMPLE IS FROM THE TEXAS GULF SULPHUR MINE, BRAUFORT COUNTY, NORTH CAROLINA AND CONSISTS OF A MASSIVE WHITISH AGGREGATE. UNIT CELL DIMENSIONS DETERMINED BY DANIEL APPELMAN, SMITHSONIAN INSTITUTION.

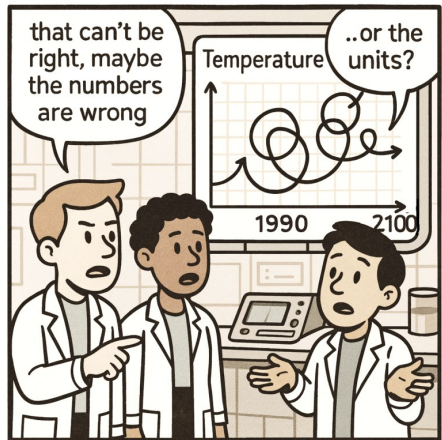
Indices	Francolite (McConnell, 1938) d(Å)	1	Blake phosphorite ¹ Sta. 2485 d	1	Phosphatized Manatee rib, Gerda Terrace Sta. 2348 d	1	Phosphorite ² Bone Valley Formation, Fla. d	1	Phosphorite ³ Pungo River Formation, N.C. d	1
100	ND		8.08	4	8.15	b	8.08	4	8.07	5
101	ND		5.23	4	—	—	5.23	3	5.25	3
200	ND		4.03	4	—	—	4.05	6	4.03	4
111	ND		3.86	6	—	—	3.86	6	3.86	4
002	3.431		3.446	43	3.44	41	3.45	46	3.445	42
102	3.157	0.5	3.173	16	3.17	12	3.173	12	3.163	13
120	3.044	2	3.055	18	—	—	3.060	17	3.050	13
121	2.765	>10	2.791	100	2.78	100b	2.793	100	2.785	100
112	—	—	2.688	54	2.695	43b	2.698	58	2.691	51
202	2.618	4	2.622	28	2.622	20	2.625	29	2.621	26
301	2.508	0.5	—	—	—	—	2.514	4	2.502	4
122	2.277	1	2.280	24	—	—	2.285	8	2.285	9
130	2.238	3	2.237	21	2.245	18	2.245	24	2.238	20
131	2.127	2	2.127	7	2.125	5	2.137	5	2.123	6
113	2.057	1	2.055	5	—	—	2.062	5	2.057	6
203	1.996	1	1.993	4	1.995	8	2.000	4	1.993	4
222	1.928	3	1.930	21	1.931	17	1.934	25	1.929	20
132	1.876	1	1.877	15	1.88	8b	1.881	13	—	—
123	1.835	3	1.834	25	1.837	21b	1.837	35	1.834	28
231	1.788	2	1.786	10	—	—	1.793	13	1.785	10
140	1.762	2	1.760	11	1.764	13	1.766	14	1.760	13
402	1.740	2	1.738	10	—	—	1.744	11	1.740	10
004	1.720	2	1.721	13	1.720	12	1.723	13	1.721	13
232	1.651	0.5	1.650	4	—	—	1.634	6	1.633	9
133	1.601	0.5	1.605	3	—	—	1.604	3	1.602	2
240	1.525	0.5	1.	—	—	—	1.530	4	1.525	3
331	1.515	0.5	1.515	4	—	—	1.519	4	—	—
124	1.496	0.5	1.500	4	—	—	1.500	4	1.502	4
502	1.462	1	1.462	6	—	—	1.463	9	1.459	6
304	1.453	1	1.452	6	—	—	1.453	8	1.448	7
233	1.441	1	—	—	1.43	6b	—	—	1.438	6
151	1.419	1	1.418	6	—	—	1.422	5	1.416	4
Unit cell a(Å)	9.320		9.314		9.3416		9.345		9.317	

¹Quartz main peak 3.339.

²Quartz main peak 3.345.

³Quartz main peak 3.335.

Given values are uncorrected for shifts in this internal standard line.



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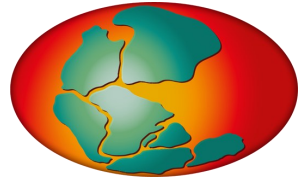
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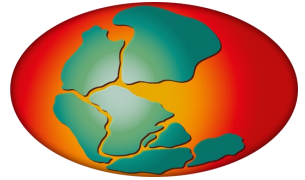
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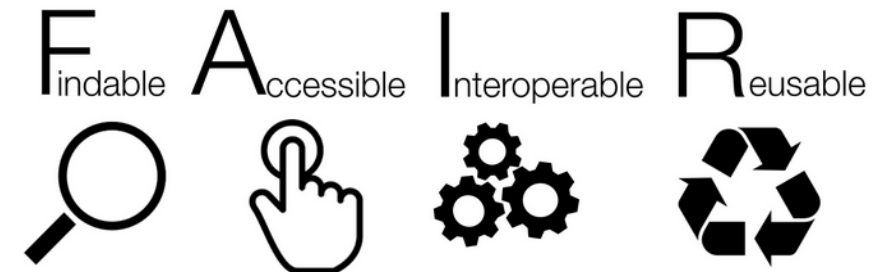
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- Your data are stored **georeferenced** in space and time
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- Your datasets receive a **citable and permanent DOI**
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=> Your data are reusable for others!



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FAIR



When



Method



Location



Data



Collector



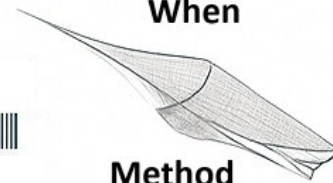
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FAIR



When



Method



Where



Museum



Data

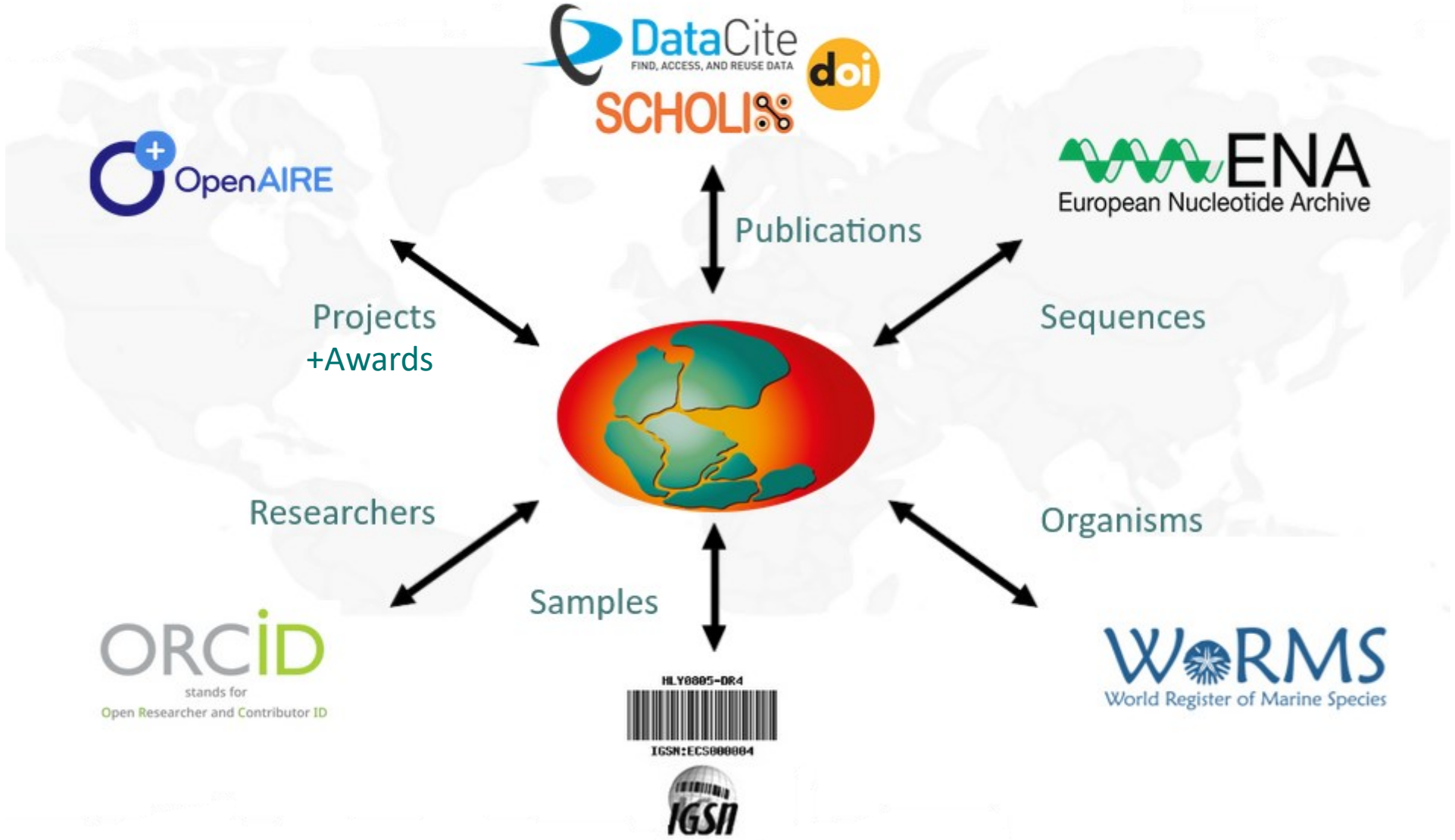


Scientist





ORCID
stands for
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WORMS
World Register of Marine Species



<https://doi.org/10.1594/PANGAEA.968459>

Alvarado, Leonardo M A; Soppa, Mariana A; Gege, Peter; Losa, Svetlana N; Dröscher, Iris; Xi, Hongyan; Bracher, Astrid (2022): Retrievals of the main phytoplankton groups at Lake Constance using OLCI, DESIS, and evaluated with field observations. *12th EARSeL Workshop on Imaging Spectroscopy in Potsdam, The Photogrammetric Record*, **37(177)**, 145-146,  https://doi.org/10.1111/phor.7_12405 

Citation:

Neudert, Mara; Arndt, Stefanie (2024): Thickness and properties of sea ice and snow of land-fast sea ice in Atka Bay in November and December 2022 [dataset]. PANGAEA,  <https://doi.org/10.1594/PANGAEA.968459>

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📅 **Published:** 2024-07-29 • **DOI registered:** 2024-08-27

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

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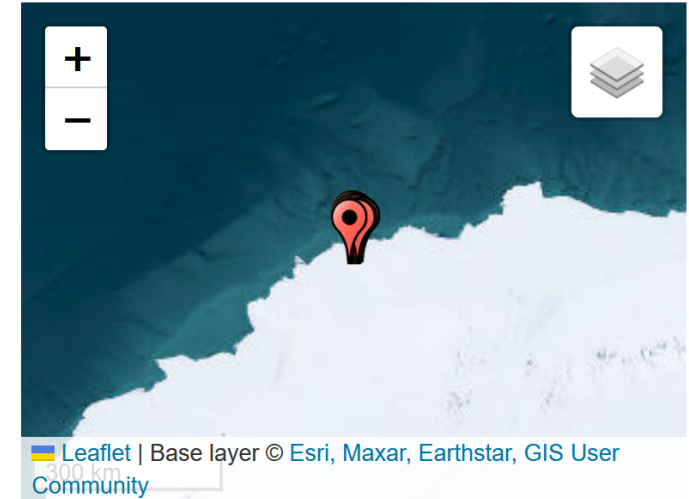
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  13  2  2



Abstract:

Manual measurements of sea ice thickness, sub-ice platelet layer thickness, freeboard, and snow thickness are distributed evenly along four transect across Atka Bay in austral summer 2022. At each measurement location, 2 to 5 holes were drilled through the ice in order to determine the aforementioned parameters, one in the center and one in a distance of five meters scale spatial variabilities. The measurements have been mainly conducted by the 42nd overwinterer and Mara Neudert.

Keyword(s):

AFIN ; Atka Bay ; DFG-SPP1158 ; Sea ice ; Sub-ice platelet layer 



 *Project(s):*

Antarctic Fast Ice Network (AFIN) 

Priority Programme 1158 Antarctic Research with Comparable Investigations in Arctic Sea Ice Areas (SPP1158) 

Sea Ice Physics @ AWI (AWI_Sealce) 

 *Funding:*

German Research Foundation (DFG) , grant/award no. **5472008** : Priority Programme 1158 Antarctic Research with Comparable Investigations in Arctic Sea Ice Areas

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be sure to state it is a
SPP1158 dataset

Event(s):

ATKA00SNe-2022a * [Latitude](#): -70.683331 * [Longitude](#): -7.824991 * [Date/Time Start](#): 2022-11-07T10:45:00 * [Date/Time End](#): 2022-11-07T11:30:00 * [Location](#): Antarctica * [Campaign](#): [ANT-Land_2022_AFIN](#) (AFIN2022, AFIN2022plus) * [Basis](#): [NEUMAYER III](#) * [Method/Device](#): Multiple investigations (MULT)

ATKA00SNe-2022b * [Latitude](#): -70.683331 * [Longitude](#): -7.824991 * [Date/Time Start](#): 2022-11-29T21:40:00 * [Location](#): Antarctica * [Campaign](#): [ANT-Land_2022_AFIN](#) (AFIN2022, AFIN2022plus) * [Basis](#): [NEUMAYER III](#) * [Method/Device](#): Multiple investigations (MULT)

ATKA00SNe-2022c * [Latitude](#): -70.683331 * [Longitude](#): -7.824991 * [Date/Time Start](#): 2022-12-06T12:40:00 * [Location](#): Antarctica * [Campaign](#): [ANT-Land_2022_AFIN](#) (AFIN2022, AFIN2022plus) * [Basis](#): [NEUMAYER III](#) * [Method/Device](#): Multiple investigations (MULT)

Campaign: [ANT-Land_2022_AFIN](#)

Optional name: AFIN2022, AFIN2022plus

Event list: [Link](#)

Chief Scientist(s): Arndt, Stefanie

Cruise Report: https://doi.org/10.57738/BzPM_0784_2024

Start: 2022-06-01

End: 2023-01-04

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Parameter(s):

#	Name	Short Name	Unit	Principal Investigator	Method/Device	Comment
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2	Identification	ID		Neudert, Mara		
3	DATE/TIME	Date/Time		Neudert, Mara		Geocode – Start, UTC
4	DATE/TIME	Date/Time		Neudert, Mara		Geocode – End, UTC
5	LATITUDE	Latitude		Neudert, Mara		Geocode
6	LONGITUDE	Longitude		Neudert, Mara		Geocode
7	Air temperature at 2 m height	T2	°C	Neudert, Mara		
8	Temperature, air	TTT	°C	Neudert, Mara	Digital thermometer	Surface
9	Temperature, ice/snow	t	°C	Neudert, Mara	Digital thermometer	Snow surface
10	Temperature, ice/snow	t	°C	Neudert, Mara	Digital thermometer	Snow-ice interface
11	Temperature, ice/snow	t	°C	Neudert, Mara	Digital thermometer	
12	Seafloor temperature	TS	°C	Neudert, Mara	Ruler stick (RULER)	Center
13	Seafloor temperature	TS	°C	Neudert, Mara	Ruler stick (RULER)	Center

[Neudert, Mara](#)

[✉ mneudert@awi.de](mailto:mneudert@awi.de)

[Temperature, ice/snow \[°C\]](#)

Short name: t [°C]

Terms used:

[Temperature](#) (Θ, <http://qudt.org/1.1/vocab/quantity#ThermodynamicTemperature>)

[ice](#) (http://purl.obolibrary.org/obo/ENVO_01000277)

[snow](#)



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Curation Level: Enhanced curation (CurationLevelC) 
































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586 data points



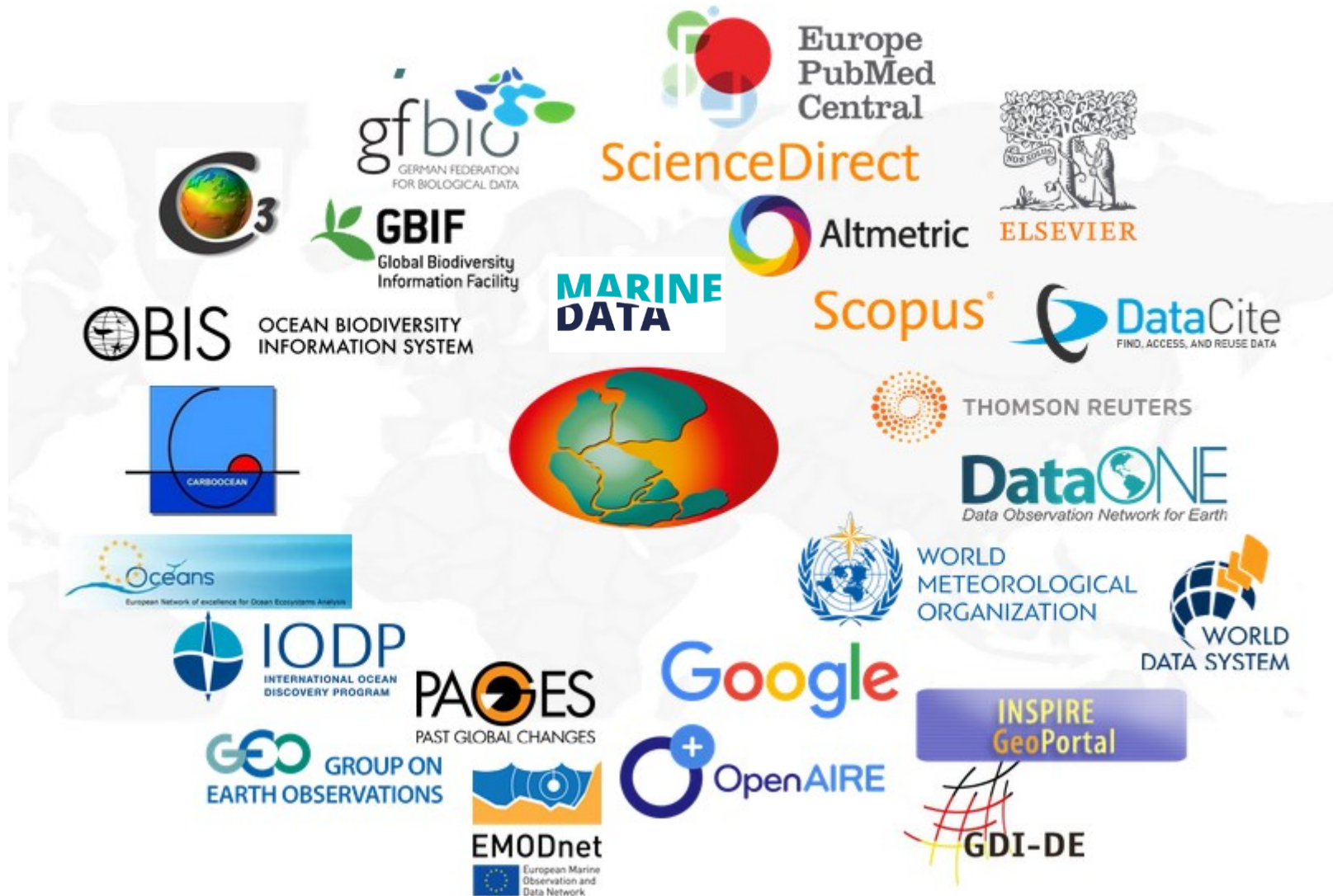
Data

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1 	3 	5 	6 	7  	8  	9  	10  	11  	12  	13  	14  	15  	16  	17  	
Event	Date/Time (Start, UTC)	Latitude	Longitude	T2 [°C]	TTT [°C] (Surface, Digital thermometer)	t [°C] (Snow surface, Digital thermom...)	t [°C] (Snow-ice interface, Digital t...)	Temp [°C] (Digital thermometer)	EsEs [m] (Center, Ruler stick)	SIPL [m] (Center, Ruler stick)	Snow thick [m] (Center, Ruler stick)	Freeboard [m] (Center, Ruler stick)	EsEs [m] (North, Ruler stick)	EsEs [m] (North, Ruler stick)	EsEs [m] (North, Ruler stick)
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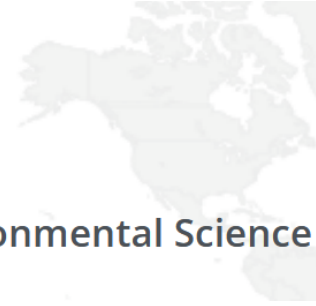




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Data Publisher for Earth & Environmental Science



<https://www.pangaea.de/submit/>

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Look at <https://wiki.pangaea.de>

R and Python scripts to access data: <https://www.pangaea.de/tools/>

*“The coolest thing to do with your data might be thought of by
someone else”* [Rufus Pollock]