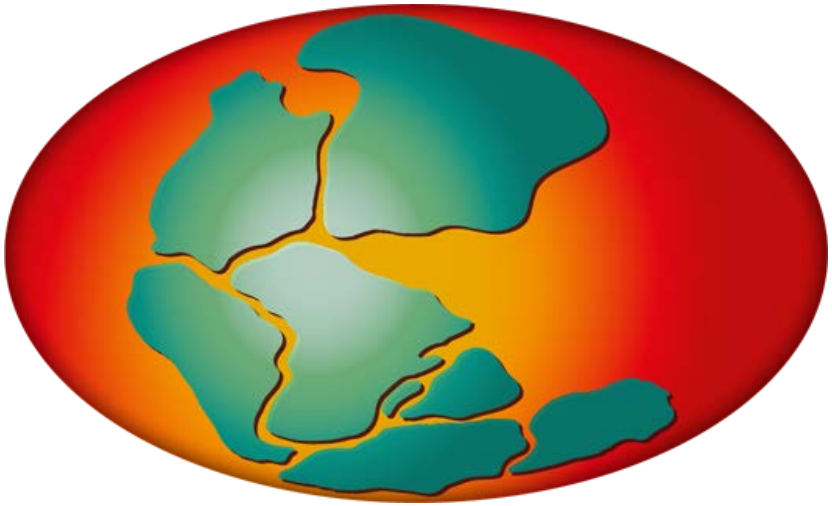
DFG-SCHWERPUNKTPROGRAMM 1158
ANTARKTIS FORSCHUNG
mit vergleichenden Untersuchungen in arktischen Eisgebieten

ALFRED-WEGENER-INSTITUT
HELMHOLTZ-ZENTRUM FÜR POLAR- UND MEERESFORSCHUNG

PANGAEA® as data archive for the SPP 1158



Amelie Driemel, Astrid Cornils, Dana Pittauer, Stefanie Schumacher

Gießen, 14.09.2018

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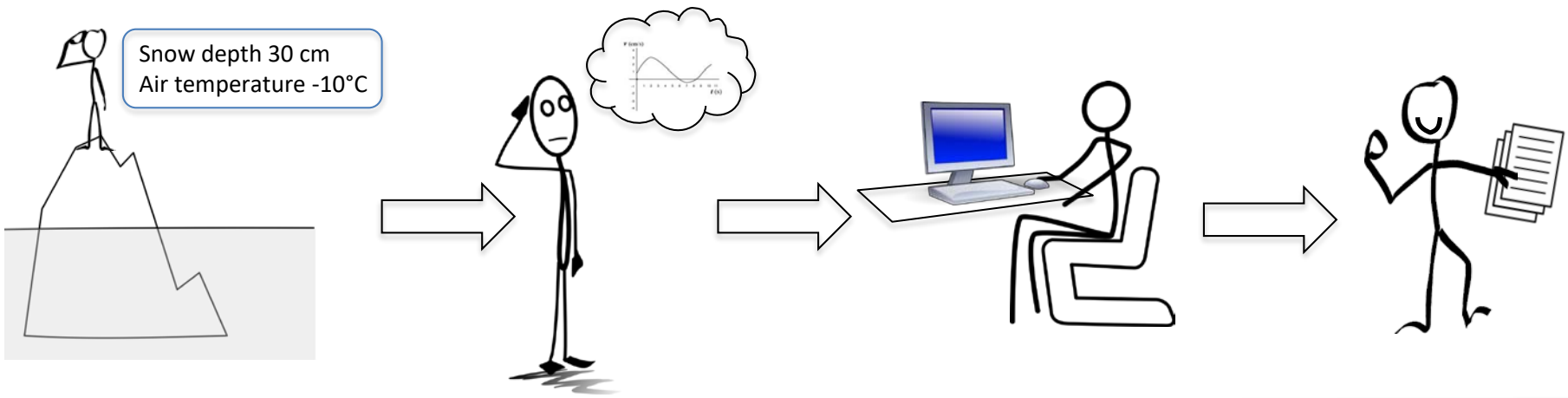
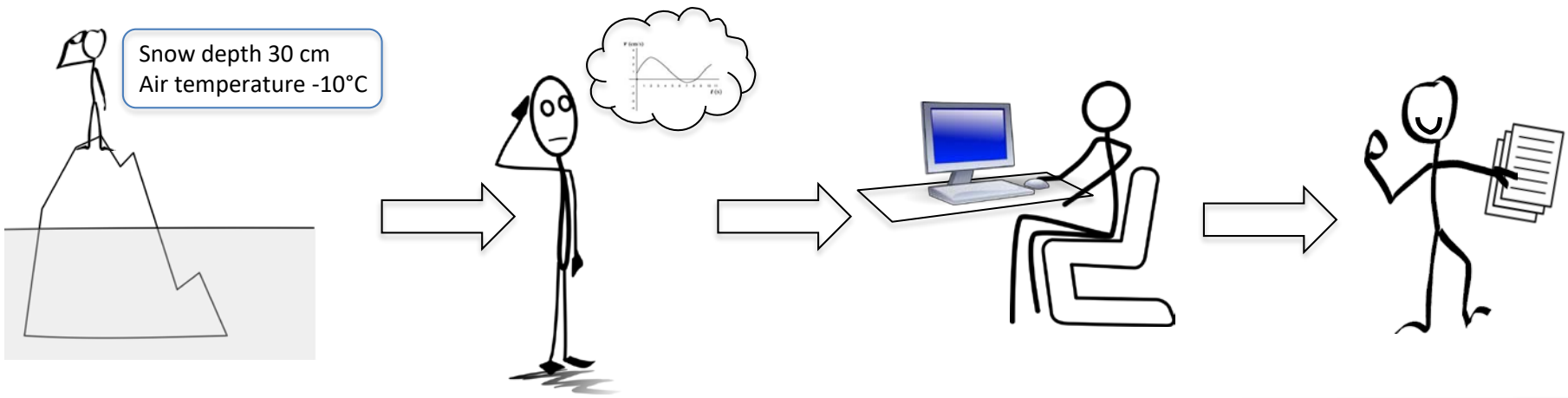
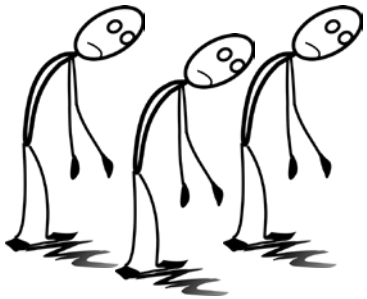
Research in a nutshell...



Research in a nutshell...



Other researchers



What about your data?

How to easily loose data...

It‘s on a server.. What‘s the problem?

- unstable links,
- data not machine readable,
- metadata missing

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 GADDNO, POLAND (NOW USSR), CONTAINING 51.0% CaO, 5.8% CO_2, 33.5% P_2O_5, 3.5% F, 0.5% MgO, AND 3.2% H_2O. 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, BEAUFORT COUNTY, NORTH CAROLINA AND CONSISTS OF A MASSIVE WHITISH AGGREGATE. UNIT CELL DIMENSIONS DETERMINED BY DANIEL APPLEMAN, SMITHSONIAN INSTITUTION.

Indices	Francolite (McConnell, 1938) d(Å)	I	Blake phosphorite[1] Sta. 2485 d	I	Phosphatized Manatee rib, Gerda Terrace Sta. 2348 d	I	Phosphorite[2] Bone Valley Formation, Fla. d	I	Phosphorite[3] Pungo River Formation, N.C. d	I
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	2	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	1.631	0.5	1.630	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	6h	—	—	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	

[1]Quartz main peak 3.339;
[2]Quartz main peak 3.345;
[3]Quartz main peak 3.335.
Given values are uncorrected for shifts in this internal standard line.

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

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PANGAEA® in a nutshell

- PANGAEA is an **open access** Data Library for **Earth System Science data**
- Data are stored **georeferenced** in space and time in a relational database or a tape archive (large files)
- Data sets receive a **citable and permanent DOI**
- Data sets can be **found** via the internet and can be **downloaded directly** from the PANGAEA web page (*)

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- - - - - M O R A T O R I U M - - - - -

The PANGAEA Data model

What?

Parameter [unit]

Who?

Author(s),
PI, Article

Where?

Latitude/Longitude

Depth in ice, water, sediment; Altitude..

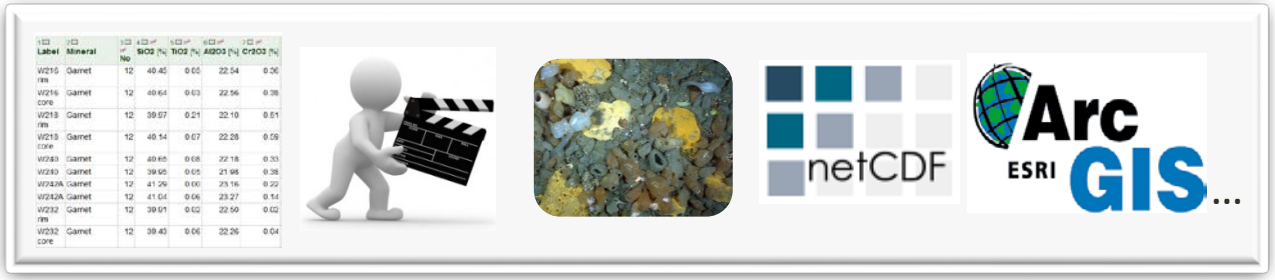
When?

Date,
Age…

How?

Method

Data Types:



Data in PANGAEA

PANGAEA.
Data Publisher for Earth & Environmental Science

http://doi.pangaea.de/10.1594/PANGAEA.878112

SEARCH SUBMIT ABOUT CONTACT

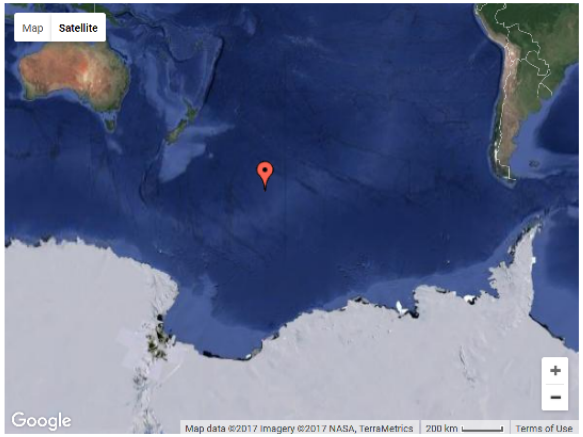
Citation:

Saavedra-Pellitero, Mariem; Baumann, Karl-Heinz; Lamy, Frank; Köhler, Peter (2017): (S2) Abundance of coccolithophore taxa/groups in sediment core PS75/079-2. *PANGAEA*, https://doi.org/10.1594/PANGAEA.878112,

In supplement to: Saavedra-Pellitero, M et al. (2017): Coccolithophore variability across Marine Isotope Stage 11 in the Pacific sector of the Southern Ocean and its potential impact on the carbon cycle. *Paleoceanography*, https://doi.org/10.1002/2017PA003156

Always quote above citation when using data! You can download the citation in several formats below.

RIS Citation | BibTeX Citation | Text Citation | Facebook | Twitter | Google+ | Show Map | Google Earth



Project(s): **Priority Programme 1158 Antarctic Research with Comparable Investigations in Arctic Sea Ice Areas** (DFG-SPP1158)

Coverage: *Latitude:* -57.502670 * *Longitude:* -157.237500

Date/Time Start: 2010-01-04T18:59:00 * *Date/Time End:* 2010-01-04T18:59:00

Minimum DEPTH, sediment/rock: 15.7400 m * *Maximum DEPTH, sediment/rock:* 17.0200 m

Event(s): **PS75/079-2** * *Latitude:* -57.502670 * *Longitude:* -157.237500 * *Date/Time:* 2010-01-04T18:59:00 * *Elevation:* -3770.0 m * *Recovery:* 18.51 m * *Location:* South Pacific Ocean * *Campaign:* ANT-XXVI/2 (PS75 BIPOMAC) * *Basis:* Polarstern * *Device:* Piston corer (BGR type) (KL) * *Comment:* TC 0.67m

Parameter(s):

#	Name	Short Name	Unit	Principal Investigator	Method	Comment
1	DEPTH, sediment/rock	Depth	m	Saavedra-Pellitero, Mariem		Geocode
2	AGE	Age	ka BP	Saavedra-Pellitero, Mariem		Geocode
3	Coccolith preservation	Coccolith preserv		Saavedra-Pellitero, Mariem		P=poor, M=moderate, G=g
4	Coccoliths	Cocco	10^6 #/g	Saavedra-Pellitero, Mariem	Counting, coccoliths	per gram sediment
5	Gephyrocapsa caribbeanica	G. caribbeanica	%	Saavedra-Pellitero, Mariem	Counting, coccoliths	normal

Download Data

Download dataset as tab-delimited text *(use the following character encoding:* UTF-8: Unicode (PANGAEA default)

View dataset as HTML

Data

Download dataset as tab-delimited text *(use the following character encoding:* UTF-8: Unicode (PANGAEA default)

1 Depth [m]	2 Age [ka BP]	3 Coccolith preserv	4 Cocco [10^6 #/g]	5 G. caribbeanica [%] (normal)	6 G. caribbeanica [%] (heavily calcified)	7 Gephyrocapsa small [%]	8 C. le
15.7400	383.4	P	0.0	0.0	0.0	0.0	
15.8200	386.0	P	0.0	0.0	0.0	0.0	
15.8900	388.2	P	0.0	0.0	0.0	0.0	
15.9675	390.8	P-M	5389.2	67.1	3.2	29.5	
16.0400	393.8	P-M	47368.9	82.3	2.3	14.5	
16.1375	400.5	M	73529.7	89.7	1.1	8.8	
16.2050	405.0	M-G	62446.3	90.6	1.8	7.6	
16.2875	410.5	M	65760.3	91.9	1.7	5.8	
16.3550	414.9	M	46799.8	93.5	3.6	2.4	

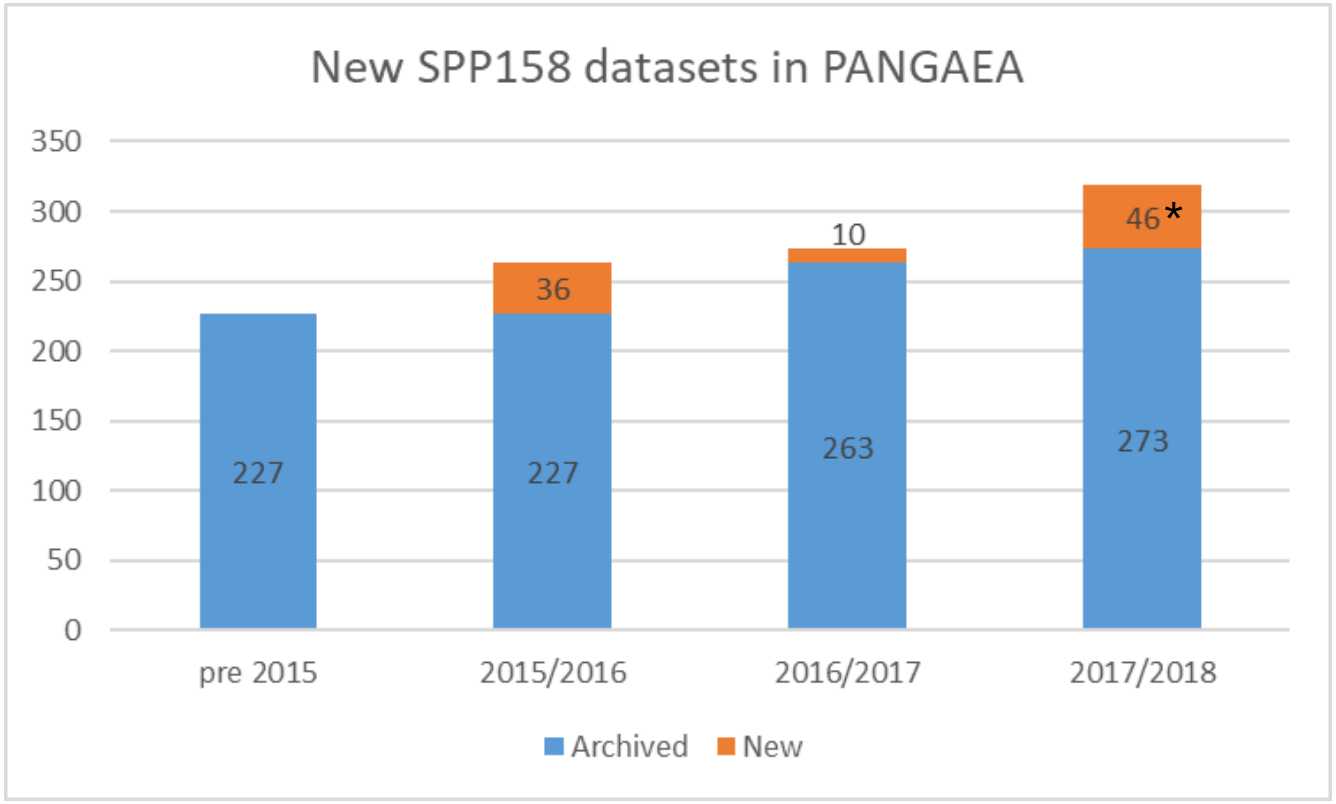
The SPP 1158 in PANGAEA

DFG-SCHWERPUNKTPROGRAMM 1158

ANTARKTIS FORSCHUNG

mit vergleichenden Untersuchungen in arktischen Eisgebieten

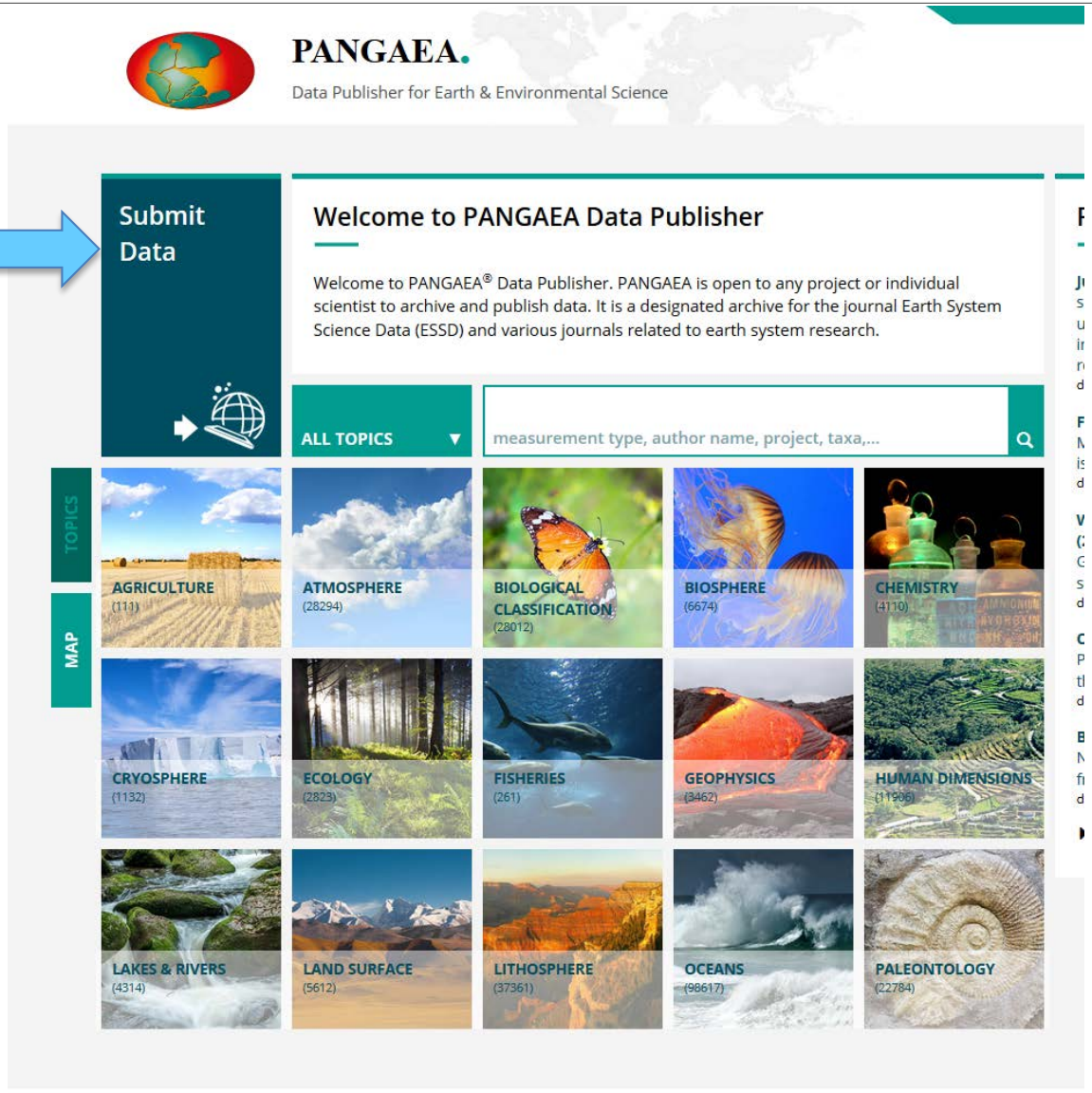
The SPP 1158 in PANGAEA



- http://www.pangaea.de/search?q=DFG-SPP1158
- http://www.pangaea.de search for: DFG-SPP1158

*from only 9 first authors

Data submission: www.pangaea.de



Data submission form

Create Issue

Project **PANGAEA Data Archiving & Publication**

Issue Type **Data Submission**

Summary* Data submission 2015-10-01T12:45:38Z (Amelie Driemel, Alfred Wegener Ins

The summary (subject) is used as identifier in the further communication.

Author(s)* Driemel, Amelie

Please, enter the author(s) (the principal investigators) for the data set(s) you want to submit.
One author per line; example: *Smith, Joe Peter*

Title

The title should ideally reflect what has been measured, observed, or calculated, when, where, and how.

Description

ABSTRACT and/or further details describing the data.

Keywords

Separate keywords by comma or semicolon.

Attachment

Drop files here to attach them
or
Select files

For larger files leave a corresponding note in the description - DATA FILE(S) ARE REQUIRED! For data submissions, read our format guide (http://wiki.pangaea.de /wiki/Format).

License* CC-BY: Creative Commons Attribution 3.0 Unported

General information on used licences can be found on the Creative Commons license pages. If you need help to choose the correct license for your dataset, you can use the following page.

Labels

Begin typing to find and create labels or press down to select a suggested label.

Context of the data submission, e.g. **PROJECT, institute,** etc.

Create

PANGAEA
Data Curator

Good reasons to publish your data

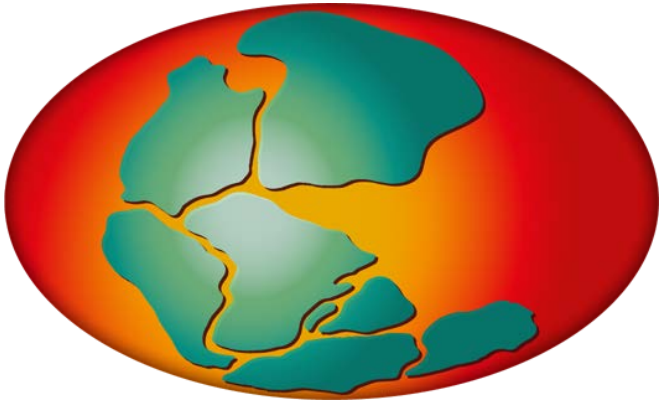
- Funders requirement
- Credit for your research (e.g. Data citation index)
- Education and public outreach

- Data transparency (verification possible, good scientific practice)
- Re-use for you and others
  (also of data not used in an article!)

Even Google acknowledges the importance of FAIR datasets!

Google Dataset Search Beta https://toolbox.google.com/datasetsearch

Questions?



http://www.pangaea.de/submit/

Yes we can!

amelie.driemel@awi.de