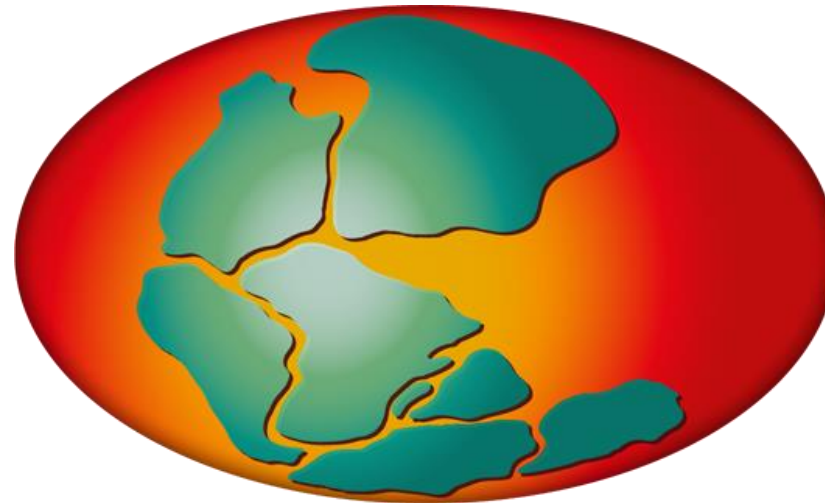
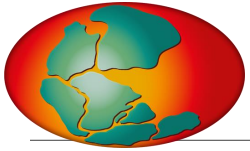


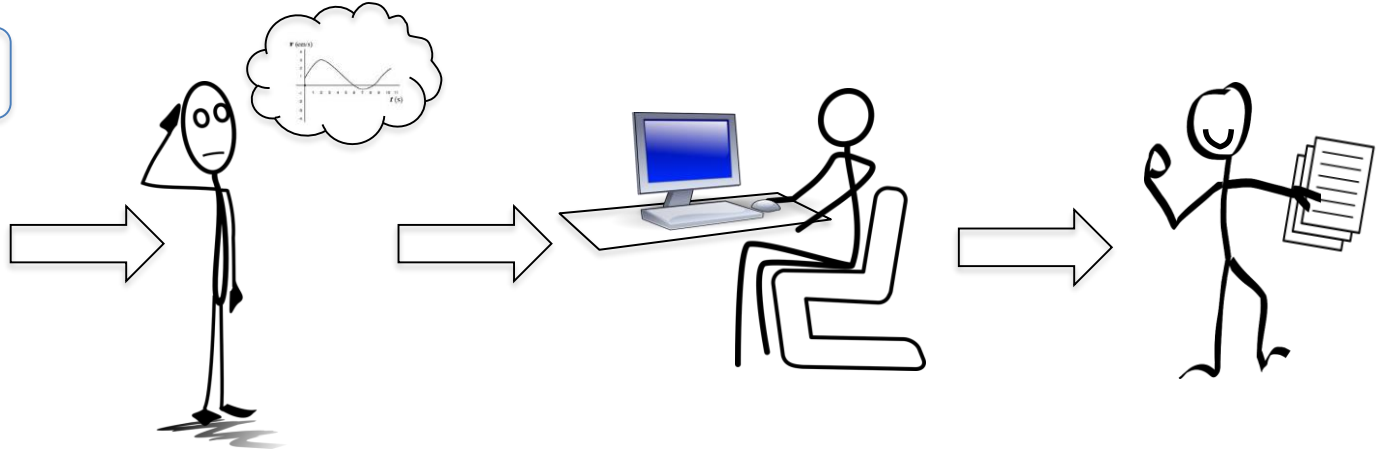
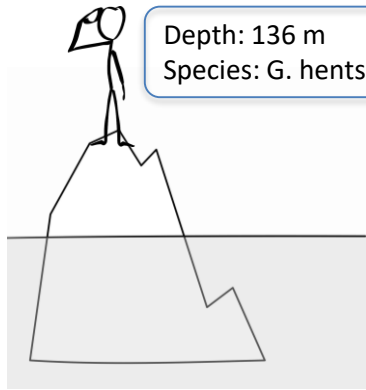
PANGAEA[®] Data Publisher for Earth & Environmental Science Database for SponGES data

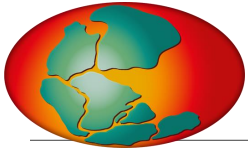


Amelie Driemel, Stefanie Schumacher, Astrid Cornils
Porto, 16.04.2018

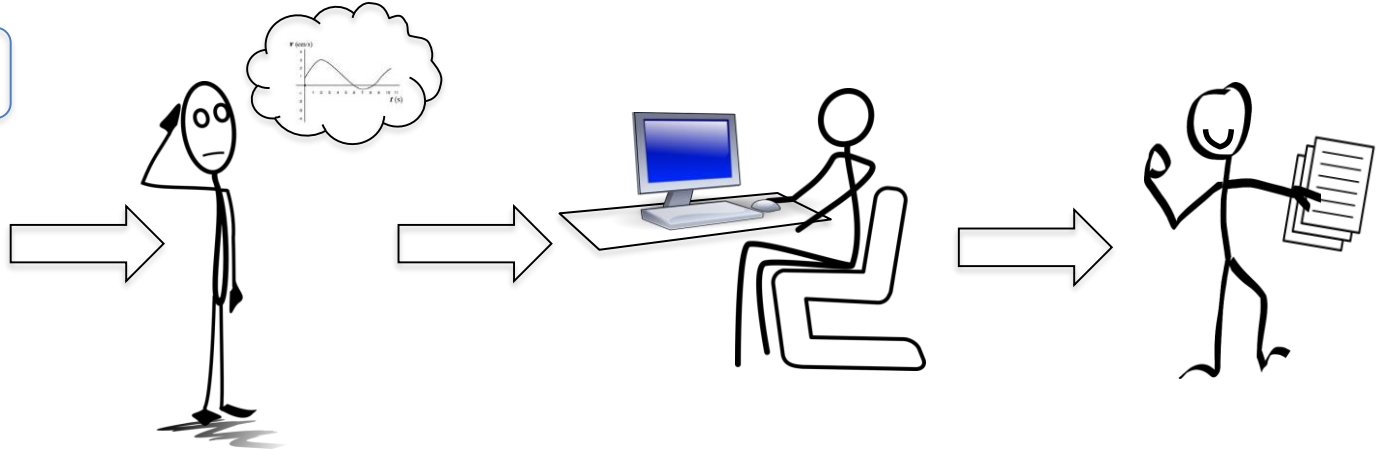
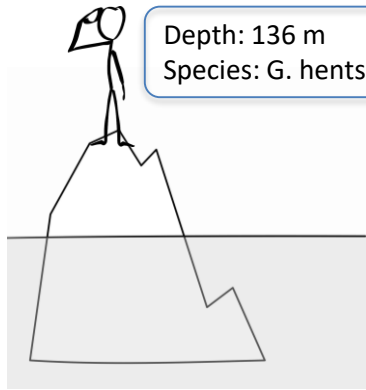


Research in a nutshell...

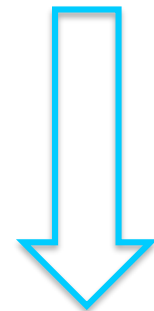
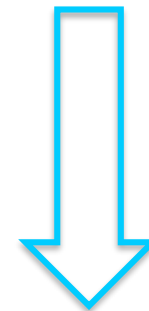
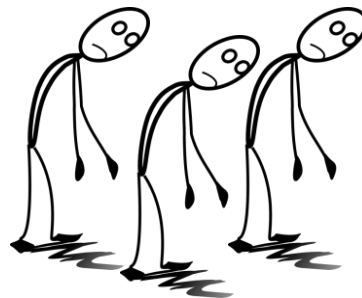




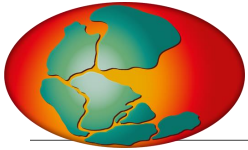
Research in a nutshell...



Other researchers



What about your data?



How to easily loose data...

1. Delete the file, no backup



2. Computer virus/Malware



3. Malfunction in software



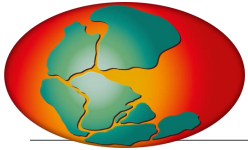
4. Theft/loss (PC/USB/ext. drive)



5. Damaged hardware

OR: just forget you ever had data





What's the problem?



404

Page not found

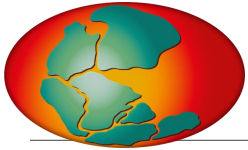
- unstable links,
- data not machine readable,
- metadata missing

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 GDDONO, 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, BEAUFORT COUNTY, NORTH CAROLINA AND CONSISTS OF A MASSIVE WHITISH AGGREGATE. UNIT CELL DIMENSIONS DETERMINED BY DANIEL APPELMAN, SMITHSONIAN INSTITUTION.

Indices	Francolite (McConnell, 1938)		Blake phosphorite ¹ Sta. 2485		Phosphatized Manatee rib, Gerda Terrace Sta. 2348		Phosphorite ² Bone Valley Formation, Fla.		Phosphorite ³ Pungo River Formation, N.C.	
	d(Å)	I	d	I	d	I	d	I	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	1.525	4	—	—	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	—	—	1.436	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

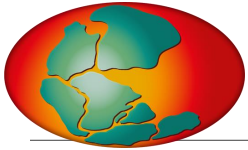
¹Quartz main peak 3.336;
²Quartz main peak 3.345;
³Quartz main peak 3.335
 Given values are uncorrected for shifts in this internal standard line.

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	14.329999992	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	9.0799999924	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



- PANGAEA is an **open access** Data Library and is the designated database for **SponGES data** (data + metadata!)
- 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**
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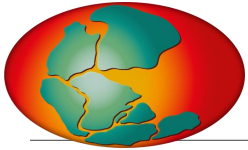


PANGAEA® in a nutshell



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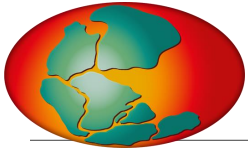


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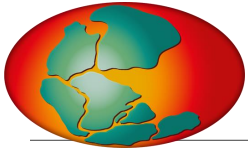


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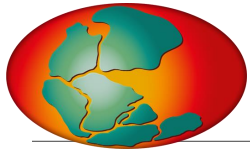


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The PANGAEA Data model



What?



Parameter [unit]

Who?



Author(s),
PI, Article

Where?



Latitude/Longitude
Depth in ice, water,
sediment; Altitude..

When?



Date,
Age...


How?



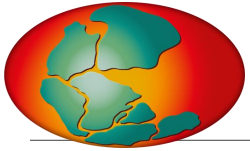
Method

Data Types:

Label	Mineral	No	SiO2 [%]	TO2 [%]	Al2O3 [%]	Cr2O3 [%]
WZ16	Garnet	12	40.45	0.05	22.54	0.36
rim						
WZ16	Garnet	12	40.64	0.03	22.56	0.38
core						
WZ18	Garnet	12	39.97	0.21	22.10	0.51
rim						
WZ18	Garnet	12	40.14	0.07	22.28	0.59
core						
WZ40	Garnet	12	40.65	0.08	22.18	0.33
WZ40	Garnet	12	39.95	0.05	21.98	0.38
WZ40A	Garnet	12	41.29	0.00	23.16	0.22
WZ40A	Garnet	12	41.04	0.05	23.27	0.14
WZ32	Garnet	12	39.91	0.02	22.50	0.02
rim						
WZ32	Garnet	12	39.43	0.06	22.26	0.04
core						





SponGES data in PANGAEA





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ALL TOPICS ▾

project:sponGES



Filter by...

Dataset Author

Duineveld, Gerard CA (7)
Hanz, Ulrike (7)
Mienis, Furu (7)
de Stigter, Henko (7)
van Haren, Hans (7)
Cárdenas, Paco (1)
Moore, Jon A (1)

Dataset Publication Year

2018 (7)
 2016 (1)

Topic

Multidisciplinary Sciences (7)

8 datasets found on search for »project:sponGES«

< 1 >

1. **van Haren, H; Hanz, U; de Stigter, H et al. (2018):** Water column characteristics obtained by yoyo-CTD and mooring sensors and benthic organism abundance of a biologically rich seamount of the Mid-Atlantic Ridge

Supplement to: **van Haren, H; Hanz, U; de Stigter, H et al. (2017):** Internal wave turbulence at a biologically rich Mid-Atlantic seamount. *PLoS ONE*

Size: 6 datasets

<https://doi.org/10.1594/PANGAEA.884597> - Score: 48.97 - [Similar datasets](#)

2. **Cárdenas, P; Moore, JA (2016):** Collecting information and identification of New England Seamount Geodia species

Supplement to: **Cárdenas, P; Moore, JA (2017):** First records of Geodia demosponges from the New England seamounts, an opportunity to test the use of DNA mini-barcodes on museum specimens.

Marine Biodiversity

Size: 95 data points

Citation:

Cárdenas, Paco; Moore, Jon A (2016): Collecting information and identification of New England Seamount Geodia species. *PANGAEA*, doi: <https://doi.org/10.1594/PANGAEA.867276>,

Supplement to: Cárdenas, P; Moore, JA (2017): First records of Geodia demosponges from the New England seamounts, an opportunity to test the use of DNA mini-barcodes on museum specimens. *Marine Biodiversity*, 12 pp, doi: <https://doi.org/10.1007/s12526-017-0775-3>

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

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Project(s):

[Deep-sea Sponge Grounds Ecosystems of the North Atlantic \(SponGES\)](#)

Event(s):

ALV-4162 * Latitude: 39.653700 * Longitude: -65.940900 * Date/Time: 2005-10-28T00:00:00 * Elevation: -2080.0 m * Location: New England Mountains * Campaign: AT12-01 * Basis: Atlantis (1) * Device: Submersible Alvin (ALVIN)

[Show more...](#)

Comment:

This dataset gives the collecting information of New England Seamount Geodia species from the Yale Peabody Museum. Museum numbers, fixation processing and Genbank accession numbers are given.

Parameter(s):

#	Name	Short Name	Unit	Principal Investigator	Method	Comment
1	Event label	Event		Cárdenas, Paco		
2	LATITUDE	Latitude		Cárdenas, Paco		Geocode
3	LONGITUDE	Longitude		Cárdenas, Paco		Geocode
4	Sample comment	Sample comment		Cárdenas, Paco		
5	Description	Description		Cárdenas, Paco		
6	DATE/TIME	Date/Time		Cárdenas, Paco		Geocode
7	Area/locality	Area		Cárdenas, Paco		
8	Campaign	Campaign		Cárdenas, Paco		
9	Sample elevation	Elevation	m	Cárdenas, Paco		# = down to 2008 m
10	Identification	ID		Cárdenas, Paco		Museum#
11	Uniform resource locator/link to metadata file	URL meta		Cárdenas, Paco		
12	Treatment	Treat		Cárdenas, Paco		fixation
13	Identification	ID		Cárdenas, Paco		COI Genbank#
14	Species	Species		Cárdenas, Paco		
15	Name	Name		Cárdenas, Paco		Species identified by

License:

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Size:

95 data points

Download Data

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

Data

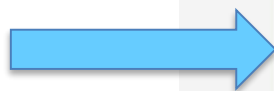
Download dataset as tab-delimited text (use the following character encoding: UTF-8: Unicode (PANGAEA default))

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Event	Latitude	Longitude	Sample comment	Description	Date/Time	Area	Campaign	Elevation [m]	ID (Museum#)	URL meta	Treat	ID (COI Genbank#)	Species	Name
ALV-3885	33.77570	-62.57150		Alvin Dive #3885, St. 1	2003-06-03	Muir seamount	R/V Atlantis Cruise ATO7-35	-2027	YPM 28870	Link	formalin>70% EtOH		Geodia megastrella	P. Cárdenas
ALV-3887	33.77330	-62.58500		Alvin Dive #3887, St. 5	2003-06-06	Muir seamount	R/V Atlantis Cruise ATO7-35	-2265	YPM 28891	Link	formalin>70% EtOH	KX982851	Geodia megastrella	P. Cárdenas
Alv_3904	38.85010	-63.92400		Alvin Dive #3904, St. 208-1	2003-07-16	Kelvin seamount	R/V Atlantis Cruise ATO8-01	-1880	YPM 34730	Link	formalin>70% EtOH		Geodia megastrella	P. Cárdenas
RB04-04_MAN708	38.14860	-61.10180		ROV Hercules dive #6, St. MAN708	2004-05-15	Manning seamount	R/V Ronald Brown Cruise RB04-04	-1718	YPM 36027	Link	formalin?>70% EtOH		Geodia megastrella	P. Cárdenas
ALV-4162	39.65230	-65.94330		Alvin Dive#4162, St. PIC 104-1	2005-10-28	Picket seamount	R/V Atlantis Cruise AT12-01	-1995	YPM 46869	Link	formalin>70% EtOH	KX982852	Geodia megastrella	P. Cárdenas
ALV-3887	33.75330	-62.58500		Alvin Dive #3887, St.5	2003-06-06	Muir seamount	R/V Atlantis Cruise ATO7-35	-2265	YPM 58540	Link	formalin>70% EtOH		Geodia megastrella	P. Cárdenas
Alv_3886	33.75700	-62.60100		Alvin Dive #3886, St.1	2003-06-05	Muir seamount	R/V Atlantis Cruise ATO7-35	-2829	YPM 28886	Link	formalin?>70% EtOH	KX982853	Geodia barretti	P. Cárdenas
DE02-06_46	39.88333	-67.43333		Yankee 36 otter trawl, St. 46	2002-07-29	Bear seamount	R/V Delaware II Cruise DE02-06	-1489	YPM 28261	Link	EtOH?		Geodia macandrewii	P. Cárdenas
DE00-11_17	39.92033	-67.48050		Yankee 36 otter trawl, St. 17	2000-12-05	Bear seamount	R/V Delaware II Cruise DE00-11	#-1826	YPM 27001	Link	frozen>70% EtOH	KX982850	Geodia macandrewii	P. Cárdenas
Vikna_Is	64.71000	10.79000	Position approximate	Vikna Island, Norway	1855-08-06		North Cape Expedition, 1855	-183	NHM 1877.5.21.1399, HOLOTYPE	Link	dry	KX982854	Geodia barretti	J. S. Bowerbank



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Data**



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Welcome to PANGAEA® Data Publisher. PANGAEA is open to any project or individual scientist to archive and publish data. It is a designated archive for the journal Earth System Science Data (ESSD) and various journals related to earth system research.

ALL TOPICS ▾

measurement type, author name, project, taxa,...



TOPICS

MAP



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Create Issue

Project **PANGAEA Data Archiving & Publication**

Issue Type **Data Submission**

Summary*

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

Author(s)*

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

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*

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.



Data submission form

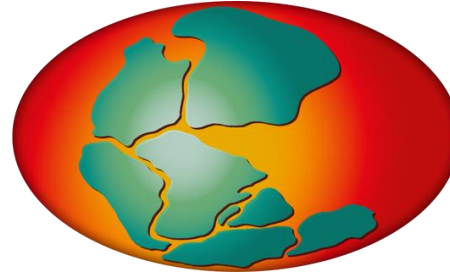


PANGAEA
Data Curator

- 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!) 

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

Questions?



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amelie.driemel@awi.de



Yes we can!