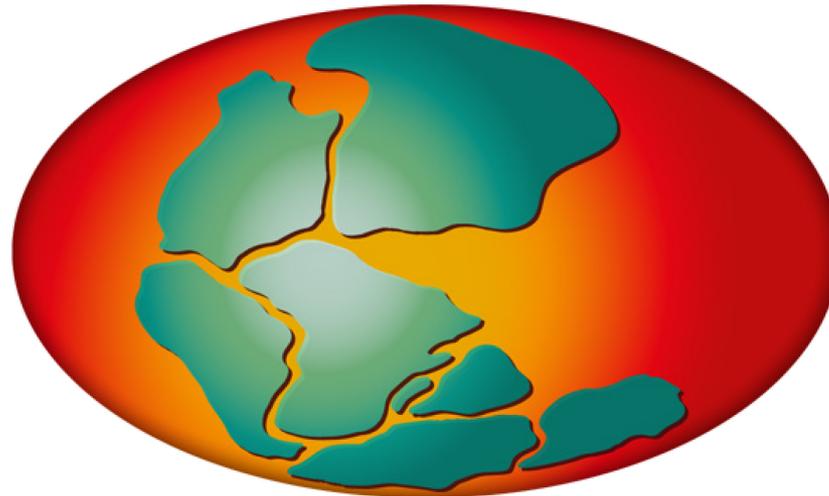


# PANGAEA<sup>®</sup> Data Publisher for Earth & Environmental Science **Database for SponGES data**

**Plenary: Data integration and management**



**Amelie Driemel, Stefanie Schumacher, Dana Ransby**  
Wageningen, 21.05.2019



# PANGAEA - Why am I here?



- PANGAEA is an open access Data Library and is the **designated database for SponGES data** (data + metadata!)
- 
- Your data are stored **georeferenced** in space and time
  - Your datasets receive a **citable and permanent DOI**
  - Your datasets can be **found** via the internet and can be **downloaded** from the PANGAEA web page (**moratorium possible!**)





## Easy to 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

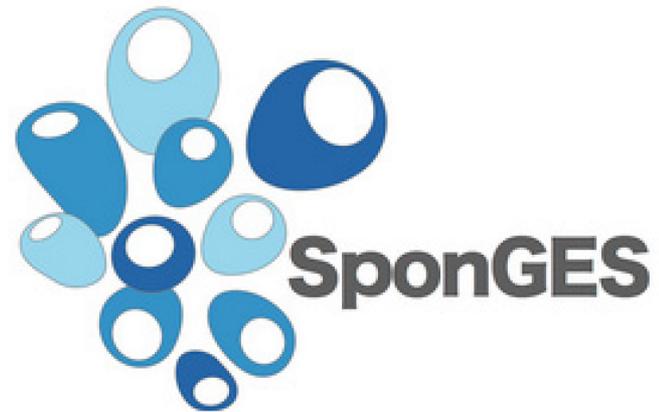


OR: just forget you ever had data





# SponGES data in PANGAEA





PANGAEA.

ALL TOPICS ▾

project:sponGES



Filter by...

8 datasets found on search for »project:sponGES«

&lt; 1 &gt;

## 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)

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



## PANGAEA.

ALL TOPICS ▼

project:sponGES



Filter by...

31 datasets found on search with facet filters

### Dataset Author

Hanz, Ulrike (17)  
Mienis, Furu (17)  
Rapp, Hans Tore (12)  
Davies, Andrew John (10)  
Meyer, Heidi Kristina (10)  
Roberts, Emyr Martyn (10)  
Duineveld, Gerard C A (7)  
de Stigter, Henko (7)  
van Haren, Hans (7)  
Cárdenas, Paco (6)  
Bates, Stephanie L (3)  
Cassarino, Lucie (3)  
Culwick, Timothy (3)  
Frost, Molly (3)  
Goodwin, Claire (3)  
Hendry, Katharine R (3)  
*more...*

### Dataset Publication Year

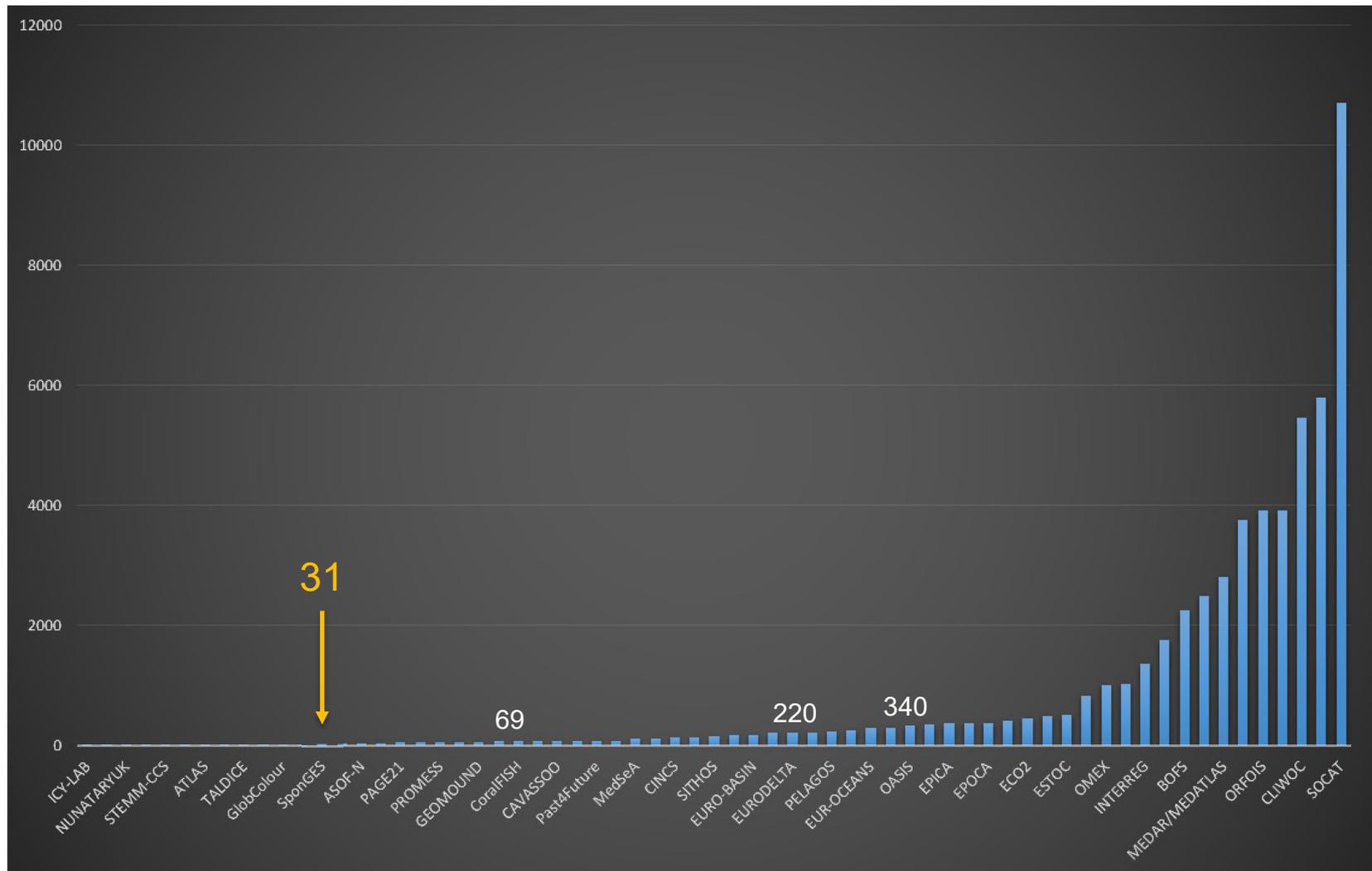
2019 (5)  
 2018 (25)  
 2016 (1)

### Topic

< 1 2 3 4 >

- Hendry, KR; Cassarino, L; Bates, SL et al. (2019):** Stable silicon isotope composition of deep sea sponges and co-located seawater silicon isotopic compositions collected from the North Atlantic  
*Supplement to: Hendry, KR; Cassarino, L; Bates, SL et al. (2019):* Silicon isotopic systematics of deep-sea sponge grounds in the North Atlantic. *Quaternary Science Reviews*  
*Size:* 2 datasets  
<https://doi.org/10.1594/PANGAEA.898677> - Score: 1.8
- Roberts, EM; Mienis, F; Rapp, HT et al. (2018):** Physical, biological, biogeochemical, and bathymetric datasets from a research cruise to the Schultz Massif Seamount (Norwegian/Greenland Sea) in June 2016 using RV G.O. Sars (Cruise 2016109A)  
*Supplement to: Roberts, EM; Mienis, F; Rapp, HT et al. (2018):* Oceanographic setting and short-timescale environmental variability at an Arctic seamount sponge ground. *Deep Sea Research Part I: Oceanographic Research Papers*  
*Size:* 9 datasets  
<https://doi.org/10.1594/PANGAEA.891035> - Score: 1.8
- 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.891037> - Score: 1.8

# Other EU projects – number of datasets



- Collecting information and identification of sponge **species** - contains links to **genetic information**
- Stable **silicon isotope** composition of deep sea sponges and seawater
- Sponge **denitrification rates**
- Cruise data (**CTD, nutrients, multibeam, O2, particles..**)
- Species occurrences observed during **ROV** dive
- Abundance of organisms found along **video transects**
- A **model** hindcast of bottom environmental conditions (netCDF files)
- ...

## Device

Remote operated vehicle	6
Bottom lander	4
CTD/Rosette	4
Dredge	3
Yoyo-CTD	3
Beam trawl	2
Biology	2
Box corer	2
Epibenthic sledge	2
Mooring	2
Sampling by diver	2
Bottle, Niskin	1
Dredge, benthos	1
EM302 multibeam echosounder	1
Longline deployment	1
Multiple investigations	1
Otter trawl	1
Sampling by hand	1
Submersible	1
Submersible Alvin	1
Submersible JAGO	1
Trawl net	1
Underwater Video system	1
van Veen Grab	1

## Campaign

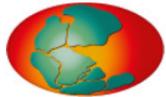
GS2016109A	9
64PE412	4
DY081	2
HUD2016019	2

...

GO Sars, 2016-06  
 Pelagia, 2016-06  
 Discovery, 2017-07  
 Hudson, 2016-07

Other cruises e.g. MLB2017001, CE15011

# www.pangaea.de



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Data Publisher for Earth & Environmental Science

Amelie Driemel  

SEARCH SUBMIT ABOUT CONTACT

Submit  
Data



## Welcome to PANGAEA® Data Publisher

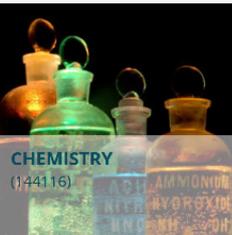
Our services are generally open for archiving, publishing, and re-usage of data. The World Data Center PANGAEA is member of the ICSU World Data System.

ALL TOPICS ▼

project:SponGES 



TOPICS



MAP

## Latest News

2019-05-06

### UNITED NATIONS REPORT ON BIODIVERSITY



A hard-hitting report into the impact of humans on nature shows that nearly one million species risk becoming extinct within decades, while current efforts to conserve the earth's resources will likely fail without radical action.

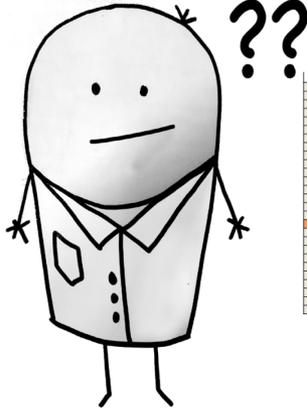
2019-05-01

### NEW PANGAEA TOOL

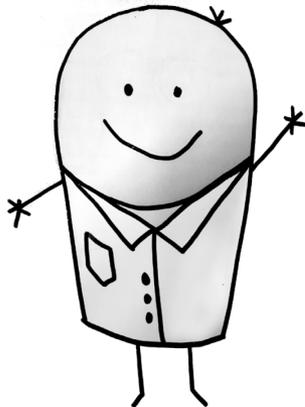
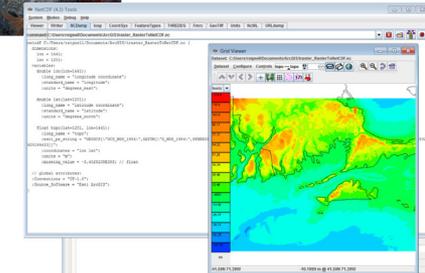
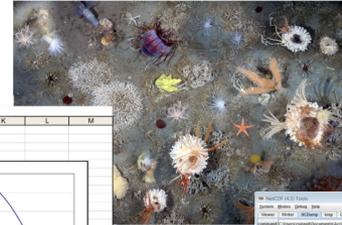


The software module 'pangaeapy' allows to download and analyse metadata as well as data from tabular PANGAEA datasets. Please take a look at the example Jupyter Notebooks.

► Show all 31 news items...

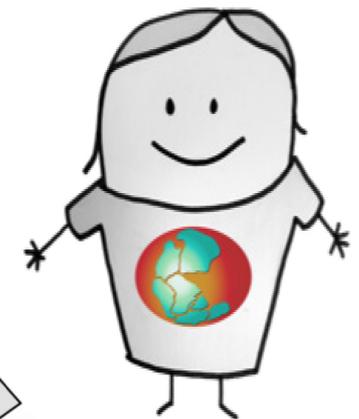
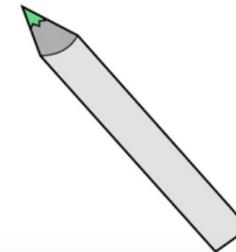


A	B	C	D	E	F	G	H	I	J	K	L	M
1	Lineareung von P1100											
2	Bereich: 2000-cp											
3	a*	0.00407	br	-4.778E-07	pc	5.87E-06						
4	a*	0.00407	br	-4.783E-12	pc	-0.00249844						
5	q	0.00407	br	-4.783E-12	pc	0.22936416						
6	q	0.00407	br	-4.783E-12	pc	-3.8222						
7	T in Grad Cel R(P1100) 100 (Ordnung) BR(B) TR(B) BR(B) BR(B) BR(B)											
8	-200	18.52008	-200.196364	-0.196364	-200.00106	-0.05106	1.1236E-06					
9	-190	22.825403	-189.817985	0.382015	-189.996838	0.003162	9.9962E-06					
10	-180	27.0964328	-179.14244	0.87979	-179.996303	0.00847	2.1506E-05					
11	-170	31.330549	-168.70981	1.290209	-169.996093	0.03907	1.5208E-05					
12	-160	35.5432372	-158.37023	1.82979	-159.996099	0.001491	2.2231E-06					
13	-150	39.7231844	-148.100284	1.89979	-150.002037	-0.002037	4.1494E-06					
14	-140	43.8764244	-137.880763	2.194292	-140.009123	-0.006123	3.7491E-06					
15	-130	48.0047538	-127.752448	2.247562	-130.010243	-0.010243	0.0010402					
16	-120	52.1097791	-117.69639	2.33381	-120.019303	-0.019303	0.00019484					
17	-110	56.193306	-107.633892	2.368108	-110.016782	-0.016782	0.00028164					
18	-100	60.259584	-97.6514888	2.348512	-100.014823	-0.014823	0.00034164					
19	-90	64.2995863	-87.7160043	2.2819951	-90.0182523	-0.018252	0.00035562					
20	-80	68.324495	-77.824485	2.1765919	-80.0177867	-0.0177867	0.00031697					
21	-70	72.3345339	-67.8741181	2.0298919	-70.015337	-0.015337	0.00023522					
22	-60	76.3278436	-58.1629468	1.8374834	-60.0117033	-0.0117033	0.00019697					
23	-50	80.3062919	-48.3879138	1.6154862	-50.0072415	-0.0072415	5.2439E-06					
24	-40	84.270652	-38.6470466	1.3529534	-40.0024769	-0.0024769	6.1358E-06					
25	-30	88.2216688	-28.9384183	1.060817	-30.9981138	-0.001882	3.8078E-06					
26	-20	92.1598084	-19.261488	0.7368912	-19.9950444	0.004956	2.4568E-05					
27	-10	96.069879	-9.61700495	0.38099095	-9.99436025	0.0064375	1.1802E-05					
28	0	100	0	0	0.0026603	0.0026603	5.00218413					



## Checklist

- the final dataset
- information about geolocation
- a title for your dataset
- list of authors of your dataset
- tentative citation of article





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**Submit  
Data**



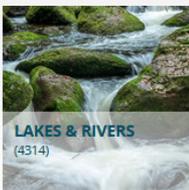
ALL TOPICS ▾

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



TOPICS

MAP



F  
-  
J  
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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

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\*

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](#).

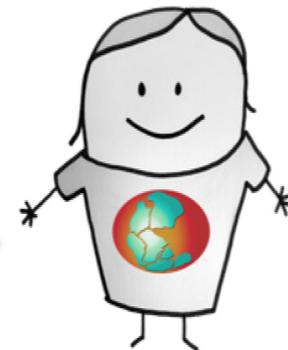
Labels

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

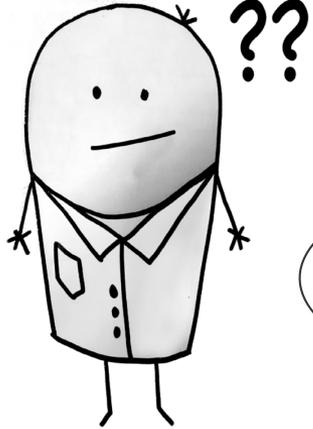
Context of the data submission, e.g. PROJECT, institute, etc.



# Data submission form



PANGAEA  
Data Curator



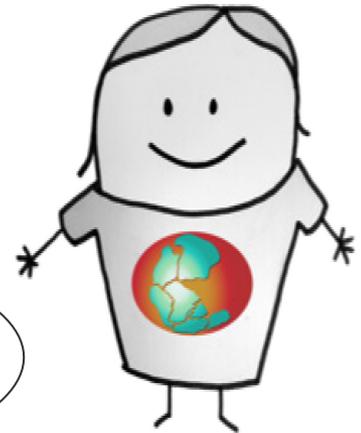
Did I do it right??

Looks good, but units ... are missing ;)

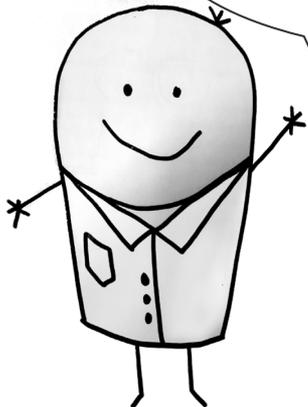
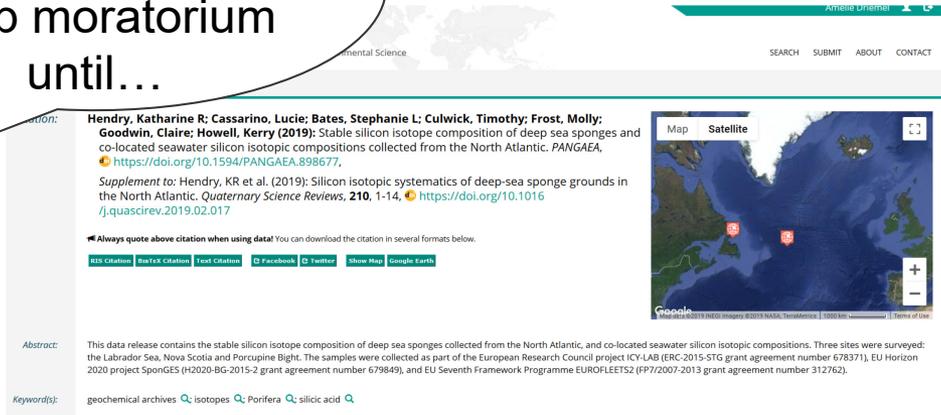
Oops, ok will upload a new version

The new version looks very good!

.....  
I uploaded your data, please proof-read at ...



Great, looks good, please keep moratorium until...



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Data Publisher for Earth & Environmental Science

Amelie Driemel

SEARCH SUBMIT ABOUT CONTACT

Citation:

**Hendry, Katharine R; Cassarino, Lucie; Bates, Stephanie L; Culwick, Timothy; Frost, Molly; Goodwin, Claire; Howell, Kerry (2019):** Stable silicon isotope composition of deep sea sponges and co-located seawater silicon isotopic compositions collected from the North Atlantic. PANGAEA, <https://doi.org/10.1594/PANGAEA.898677>,

Supplement to: Hendry, KR et al. (2019): Silicon isotopic systematics of deep-sea sponge grounds in the North Atlantic. *Quaternary Science Reviews*, **210**, 1-14, <https://doi.org/10.1016/j.quascirev.2019.02.017>

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

[RIS Citation](#) [Bibtex Citation](#) [Text Citation](#) [Facebook](#) [Twitter](#) [Show Map](#) [Google Earth](#)

Abstract:

This data release contains the stable silicon isotope composition of deep sea sponges collected from the North Atlantic, and co-located seawater silicon isotopic compositions. Three sites were surveyed: the Labrador Sea, Nova Scotia and Porcupine Bight. The samples were collected as part of the European Research Council project ICY-LAB (ERC-2015-STG grant agreement number 678371), EU Horizon 2020 project SponGES (H2020-BG-2015-2 grant agreement number 679849), and EU Seventh Framework Programme EUROFLEETS2 (FP7/2007-2013 grant agreement number 312762).

Keyword(s):

geochemical archives  isotopes  Porifera  silicic acid 

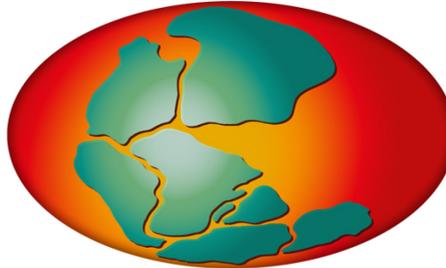


## My questions to you:

- Did you **already submit** data to PANGAEA and missed to state that it is SponGES data? (Check for SponGES label on dataset page)
- Did you **submit data to another repository**? Please inform us (Andy, Amelie)
- Did you **just attach supplementary files to your article**? I can archive those – please inform us!
- Only for GS2016109A baseline data available (CTD, multi-beam, nutrients etc) – what about the **other cruises**??

=> PANGAEA can **archive basically everything**: Photos, Videos, Tables (also xlsx), GeoTiffs, Shapefiles, combination of metadata and links to e.g. GenBank, and many more data types

Please submit your data this year!



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

amelie.driemel@awi.de



**Partner area, folder 07:** info documents  
„PANGAEA in a nutshell“ and  
„PANGAEA submission manual“ available