

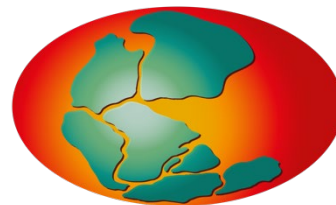
# PANGAEA

Data Publisher For Earth And  
Environmental Science

Janine Felden & PANGAEA Team

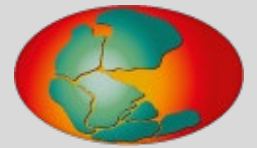


**HELMHOLTZ**



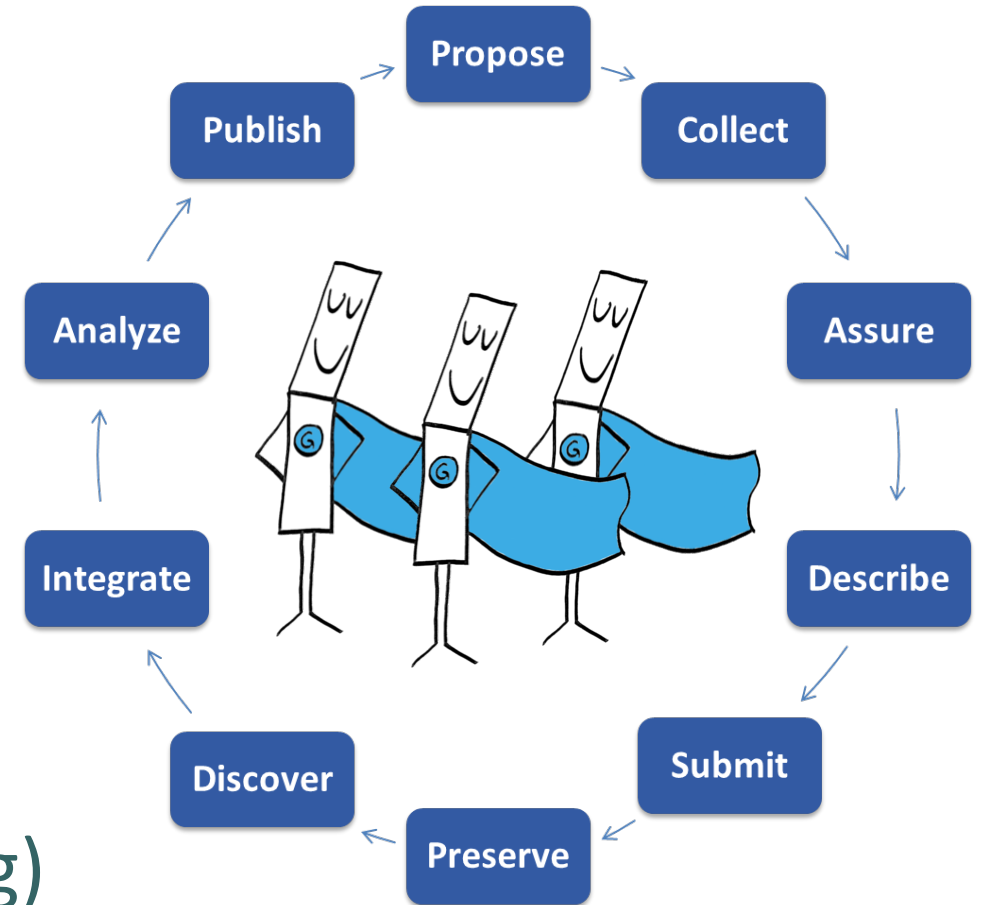
**PANGAEA**  
Data Publisher for Earth &  
Environmental Science •

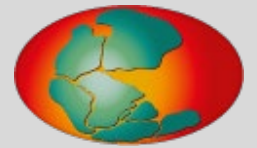




## Single point of contact for:

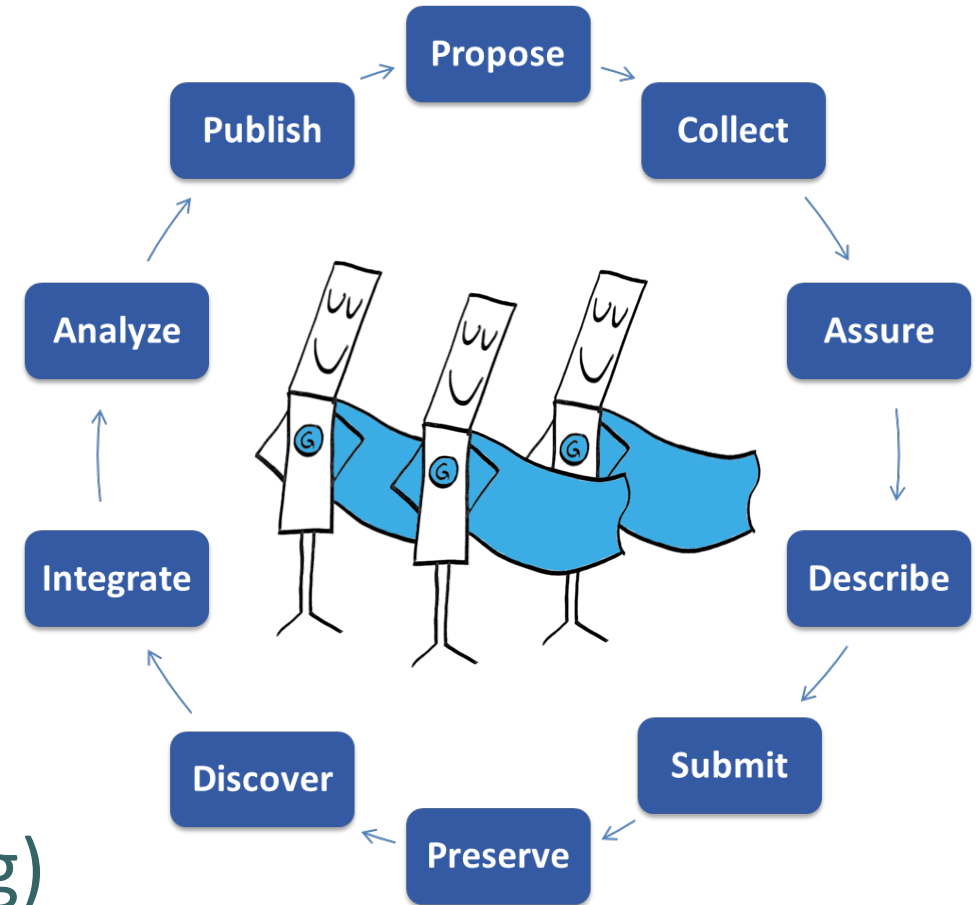
- Data management
- Long-term data archival
- Integrated data discovery
- Visualization and analyses
- Helpdesk (e.g. support, training)



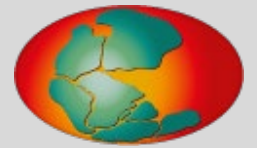


## Single point of contact for:

- Data management
- **Long-term data archival**
- Integrated data discovery
- Visualization and analyses
- Helpdesk (e.g. support, training)



# GFBio - Data Submission and Archiving



NATURKUNDE  
MUSEUM  
STUTT GART



SENCKENBERG  
world of biodiversity



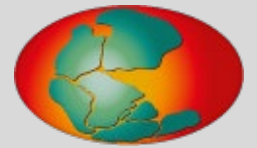
staatliche  
naturwissenschaftliche  
sammlungen bayerns



PANGAEA.  
Data Publisher for Earth & Environmental Science



# GFBio - Data Submission and Archiving



NATURKUNDE  
MUSEUM  
STUTT GART



SENCKENBERG  
world of biodiversity



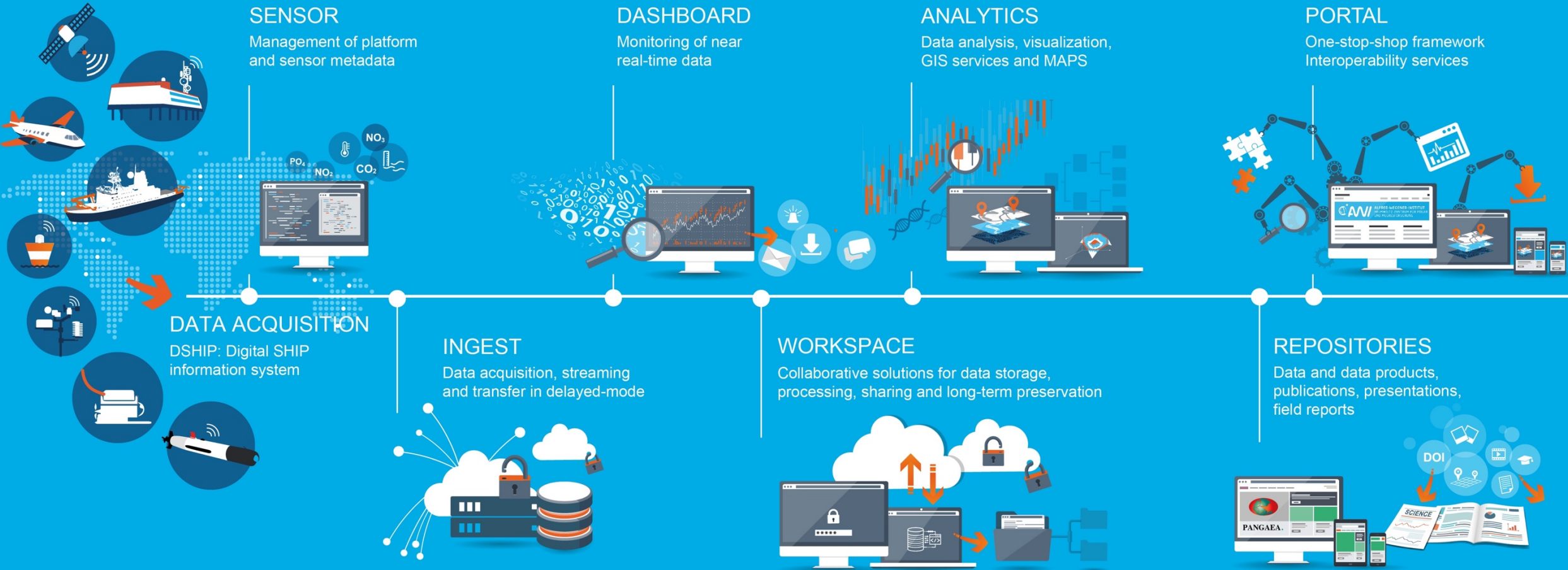
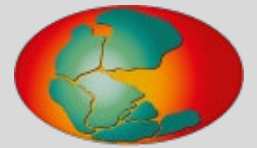
staatliche  
naturwissenschaftliche  
sammlungen bayerns



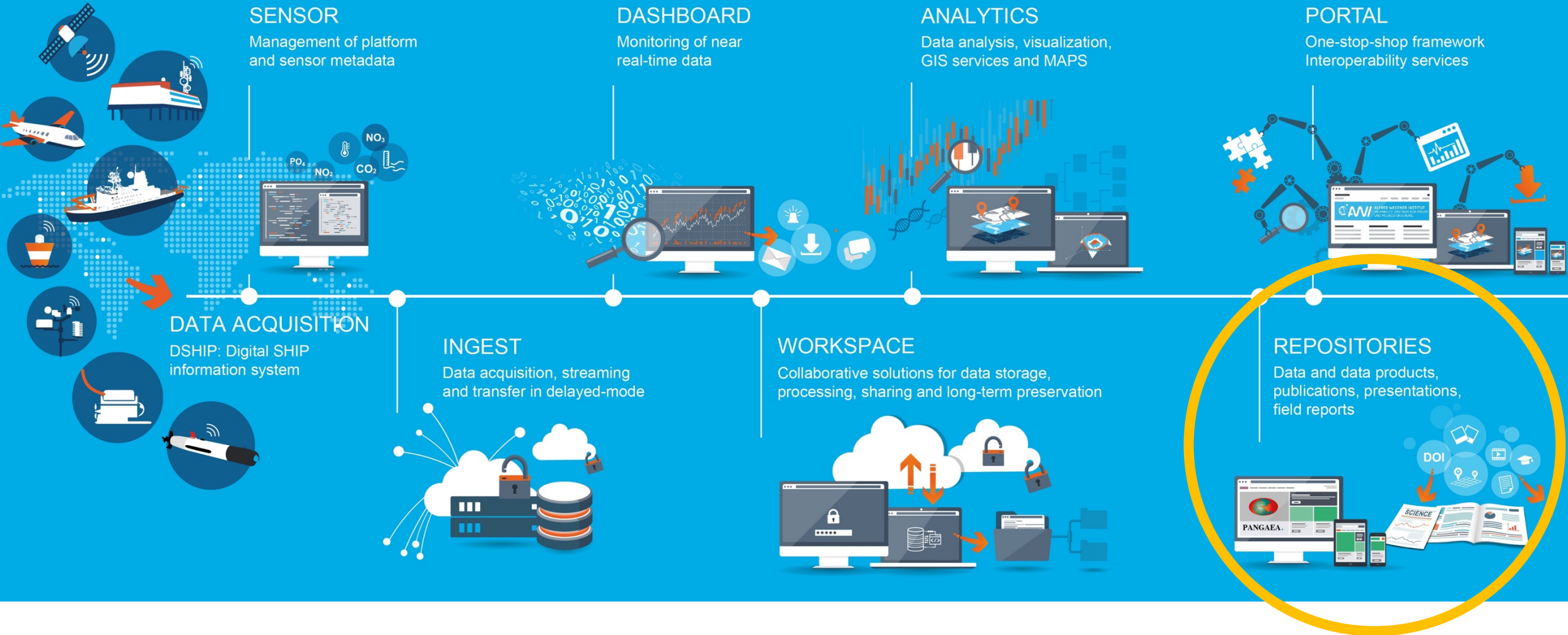
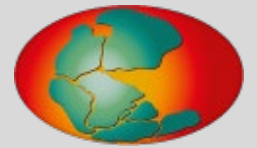
PANGAEA.  
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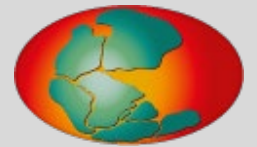
# O2A: Observation to Archive & Analyses



# O2A: Observation to Archive & Analyses



# O2A: Data Repositories



EPIC.awi.de | BROWSE | SEARCH | ABOUT | LOGIN

Search on title, author name, ORCID, full-text ...

<b>PUBLICATIONS</b> Articles, books and inbooks	<b>PRESENTATIONS</b> Talks, keynotes, posters
<b>THESES</b> Bachelor, master, PhD, habilitation	<b>FIELD REPORTS</b> Vessel, stations, aircraft

### LATEST PUBLICATIONS

Articles, Books, InBooks and Field reports

<p><b>Article</b></p> <p>Gravee, M. and Greenacre, M. J. (2020) The selection and analysis of fatty acid ratios: A new approach for the univariate and multivariate analysis of fatty acid trophic markers in marine pelagic organisms. <i>Limnology and Oceanography: Methods</i>, 18 (5), pp. 196-210. doi:https://doi.org/10.1002/lom3.10360. hdl:10013/epic.fad5ac8-754a-401d-9716-546a10ba0739</p>	<p><b>Book</b></p> <p>Uenzelmann-Neben, G. and Westerhold, T. (2020) Kerguelen Plateau Drift Deposits: outstanding high-resolution chronicle of Cenozoic climatic and oceanographic changes in the southern Indian Ocean. Bonn, Gutachterpanel Forschungsschiffe, 92 p. doi:https://doi.org/10.2312/cr_so272. hdl:10013/epic.d49676e9-b81f-4153-9f28-c97b991979cf</p>	<p><b>InBook</b></p> <p>Reise, K. and Lackschewitz, D. (2018) Mehr milde Winter im Wattenmeer: Was folgt daraus für das Ökosystem? / Lozán, J., Breckle, W., Grabl, H., Kasang, D. and Weisse, R. (editors), In: Warnsignal Klima: Extremereignisse, Warnsignal Klima: Extremereignisse. Hamburg, Wissenschaftliche Auswertungen/GEO, 6 p., ISBN: 3-982-0067-0-3. doi:https://doi.org/10.2312/warnsignal.klima.extremereignisse.14. hdl:10013/epic.e74486b1-b9e1-40e3-a66b-5a340ed9d972</p>	<p><b>Report</b></p> <p>Miesner, F., Overduin, P. P., Keskitalo, K., Speetjens, N. J., Vonk, J. and Westermann, S. (2020) The Expedition to the Peel River in 2019: Fluxial Transport Across a Permafrost Landscape. Berichte zur Polar- und Meeresforschung = Reports on polar and marine research. Bremerhaven, Alfred Wegener Institute for Polar and Marine Research, 743, 40 p. doi:https://doi.org/10.2312/Bp2PM_0743_2020. hdl:10013/epic.d083beb57-b66c-4546-abe5-15fa59df8e3b</p>
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17456 PUBLICATIONS	17782 PRESENTATIONS	2873 THESES	1358 REPORTS
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Submit Data

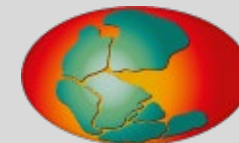
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ALL TOPICS | Search for measurement type, author name, project, taxa,...

CHEMISTRY (13401)	OCEANS (19274)	LITHOSPHERE (54451)	BIOLOGICAL CLASSIFICATION (23659)	ATMOSPHERE (2648)
PALEONTOLOGY (2266)	ECOLOGY (11640)	BIOSPHERE (7423)	LAND SURFACE (2387)	GEOPHYSICS (3613)
CRYOSPHERE (1462)	LAKES & RIVERS (184)	HUMAN DIMENSIONS (426)	FISHERIES (275)	AGRICULTURE (13)





**PANGAEA.**

Data Publisher for Earth & Environmental Science

SEARCH SUBMIT HELP ABOUT CONTACT

Submit  
Data



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ALL TOPICS

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

## Latest News

2021-10-27

### DE.NBI COMMUNITY WORKSHOP: PANGAEA 04/11/2021, 2PM - 5PM

**de.NBI** This workshop is aimed at all those who are interested in publishing scientific data and in topics related to research data management, and who want to take a look behind the scenes of the PANGAEA repository. Our agenda will revolve around these questions, among others: What does PANGAEA actually do, and what services does it provide? How do I find data on PANGAEA, and how do I get access to it? How exactly can I publish my data on PANGAEA? The registration is open now!

2021-09-22

### OCEAN STATE REPORT 5

**Coopernicus** This annual publication provides a comprehensive and state-of-the-art report on the current state, natural variations, and ongoing changes in the European regional seas and global ocean

► Show all 47 news items...

## Featured Data

**Maturilli, M; Holdridge, DJ; Dahlke, S et al. (2021):** Initial radiosonde data from 2019-10 to 2020-09 during project MOSAIC

► <https://doi.org/10.1594/PANGAEA.928656>

**Geibert, W; Matthiessen, J; Stimac, I et al. (2020):** 230Th excess, U isotopes, elemental data together with microfossil data and their stable isotopes

► <https://doi.org/10.1594/PANGAEA.914629>

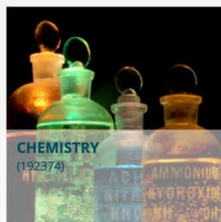
**Zhao, X; Koutsodendris, A; Caley, T et al. (2020):** Pollen, microcharcoal and benthic foraminifera oxygen isotope data of IODP Site U1479

► <https://doi.org/10.1594/PANGAEA.919663>

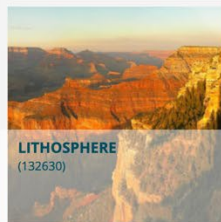
**Heuer, VB; Inagaki, E; Morono, Y et al. (2020):** Microbial

TOPICS

MAP



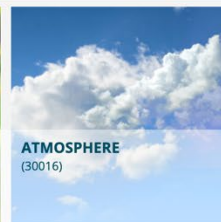
**CHEMISTRY**  
(192374)



**LITHOSPHERE**  
(132630)



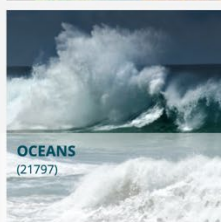
**BIOLOGICAL CLASSIFICATION**  
(33775)



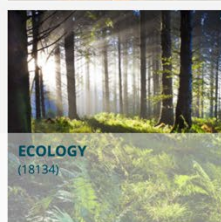
**ATMOSPHERE**  
(30016)



**PALEONTOLOGY**  
(25687)



**OCEANS**  
(21797)



**ECOLOGY**  
(18134)



**LAND SURFACE**  
(7837)



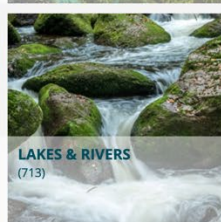
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(4317)



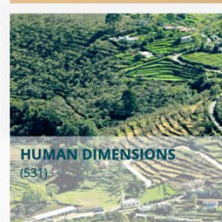
**GEOPHYSICS**  
(3848)



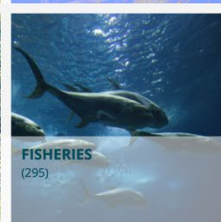
**CRYOSPHERE**  
(1592)



**LAKES & RIVERS**  
(713)



**HUMAN DIMENSIONS**  
(531)

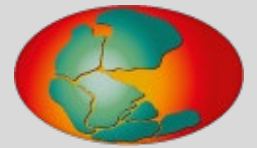


**FISHERIES**  
(295)



**AGRICULTURE**  
(138)

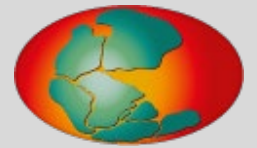
# PANGAEA in 2021 - Organisation



Hosted by:



# PANGAEA in 2021 - Organisation



Hosted by:



Managed by:



**Prof. Dr. Frank  
Oliver Glöckner**

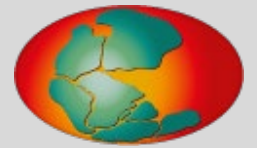


**Dr. Janine Felden**



**Dr. Michael  
Diepenbroek**

# PANGAEA in 2021 - Organisation



Hosted by:



Managed by:



Prof. Dr. Frank  
Oliver Glöckner

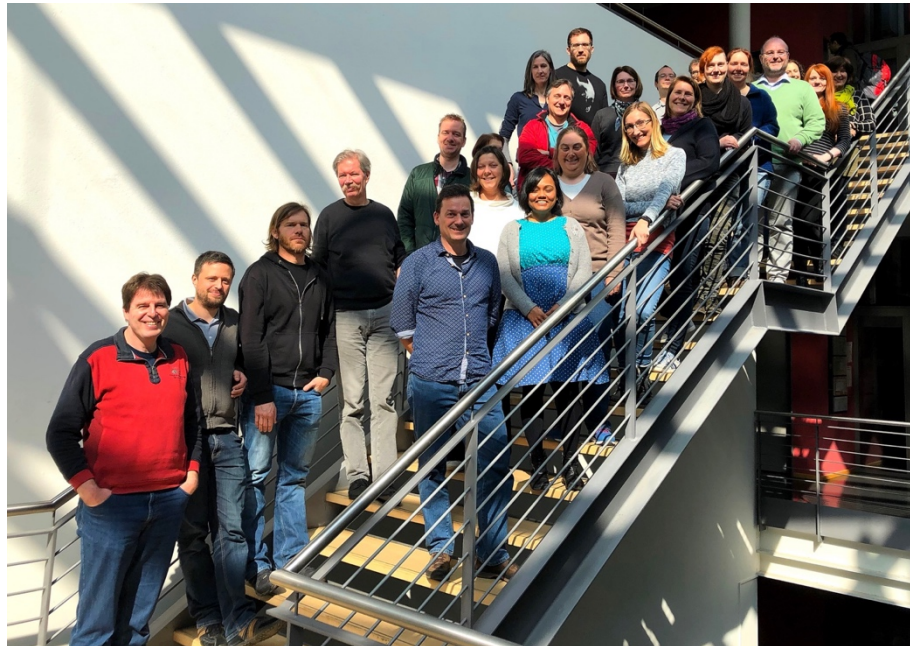


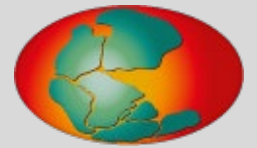
Dr. Janine Felden



Dr. Michael  
Diepenbroek

Team:





- Research projects



**iAtlantic**  
INTEGRATED ASSESSMENT OF ATLANTIC  
MARINE ECOSYSTEMS IN SPACE AND TIME

**hypox**  
In situ monitoring of  
oxygen depletion in hypoxic ecosystems



**IODP**  
INTEGRATED OCEAN  
DRILLING PROGRAM



**ARCTIC  
PASSION**

Pan-Arctic Observing  
System of Systems:  
Implementing Observations  
for Societal Needs

**SUMMER**



**EURO-BASIN**  
BASIN SCALE ANALYSIS, SYNTHESIS AND INTEGRATION

- Institutions



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

**ZMT** LEIBNIZ-ZENTRUM  
für Marine Tropenforschung

**GEOMAR**

Helmholtz Centre for Ocean Research Kiel

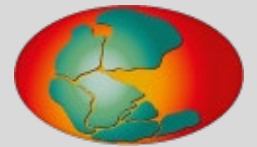
CENTER OF  
APPLIED SPACE TECHNOLOGY  
AND MICROGRAVITY



**ZARM**

**marum**

Center for Marine  
Environmental Sciences



- Research projects



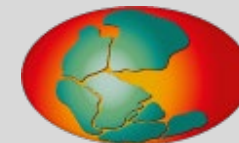
- Institutions



- Individual researcher



# PANGAEA in 2021 - Content



**Submit Data**

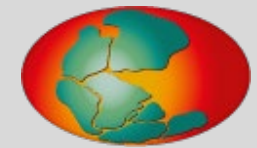
**Welcome to PANGAEA® Data Publisher**

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**ALL TOPICS** Search for measurement type, author name, project, taxa,...

<b>CHEMISTRY</b> (133415)	<b>OCEANS</b> (98224)	<b>LITHOSPHERE</b> (54451)	<b>BIOLOGICAL CLASSIFICATION</b> (33659)	<b>ATMOSPHERE</b> (28643)
<b>PALEONTOLOGY</b> (27066)	<b>ECOLOGY</b> (16680)	<b>BIOSPHERE</b> (7623)	<b>LAND SURFACE</b> (7387)	<b>GEOPHYSICS</b> (3613)
<b>CRYOSPHERE</b> (1462)	<b>LAKES &amp; RIVERS</b> (686)	<b>HUMAN DIMENSIONS</b> (426)	<b>FISHERIES</b> (275)	<b>AGRICULTURE</b> (135)

# PANGAEA in 2021 – Content



Submit  
Data


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ALL TOPICS

TOPICS

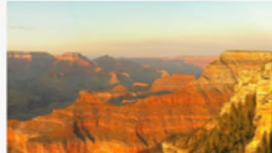
MAP




**CHEMISTRY**  
(133415)




**OCEANS**  
(98224)




**LITHOSPHERE**  
(54451)




**BIOLOGICAL CLASSIFICATION**  
(33659)




**ATMOSPHERE**  
(28643)




**PALEONTOLOGY**  
(27066)




**ECOLOGY**  
(16680)




**BIOSPHERE**  
(7623)




**LAND SURFACE**  
(7387)




**GEOPHYSICS**  
(3613)




**CRYOSPHERE**  
(1462)




**LAKES & RIVERS**  
(686)



**HUMAN DIMENSIONS**  
(426)



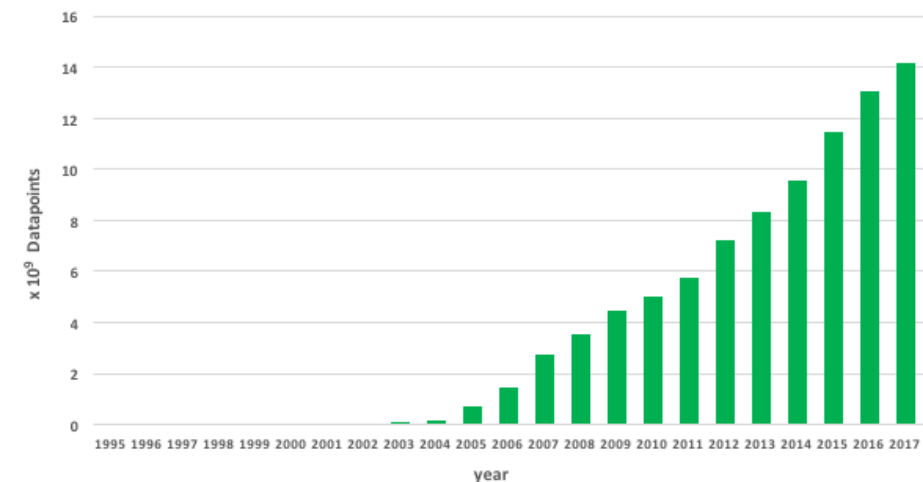
**FISHERIES**  
(275)



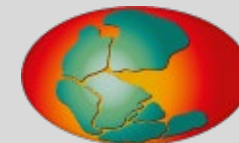
**AGRICULTURE**  
(135)

**Data sets: > 400,000**  
**Data items: ~ 1.9 billion**  
**Projects: 647**

**New datasets per year: ~ 10,000**





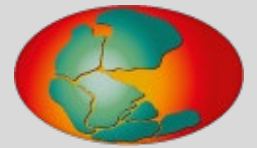


The screenshot shows the PANGAEA Data Publisher website. At the top left is a dark green button labeled "Submit Data" with a globe icon. Below it is a navigation bar with "ALL TOPICS" and a search box containing the text "Search for measurement type, author name, project, taxa,...". The main content area is a grid of 15 topic cards, each with a representative image and a title with a count in parentheses:

- CHEMISTRY (133415): Image of laboratory glassware.
- OCEANS (98224): Image of ocean waves.
- LITHOSPHERE (54451): Image of a rocky landscape.
- BIOLOGICAL CLASSIFICATION (33659): Image of a monarch butterfly.
- ATMOSPHERE (28643): Image of a blue sky with white clouds.
- PALEONTOLOGY (27066): Image of a fossilized ammonite shell.
- ECOLOGY (16680): Image of a forest floor with ferns.
- BIOSPHERE (7623): Image of jellyfish.
- LAND SURFACE (7387): Image of a snowy mountain range.
- GEOPHYSICS (3613): Image of a volcanic eruption.
- CRYOSPHERE (1462): Image of an ice shelf.
- LAKES & RIVERS (686): Image of a stream flowing over rocks.
- HUMAN DIMENSIONS (426): Image of a terraced agricultural field.
- FISHERIES (275): Image of a fish underwater.
- AGRICULTURE (135): Image of a field of harvested wheat.

## Data Types:

- Tabular data of e.g. environmental time series, biodiversity, sediment samples...
- Binary files e.g. images, movies, netCDF files...

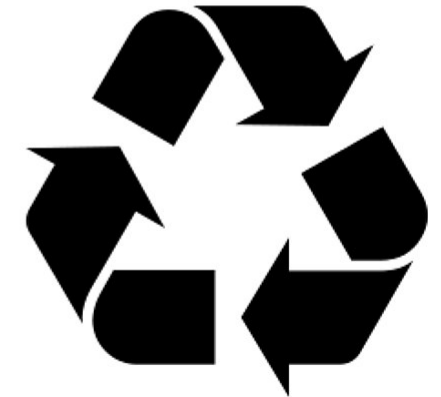
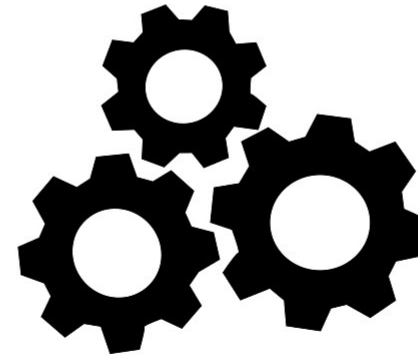


**F**  
Findable

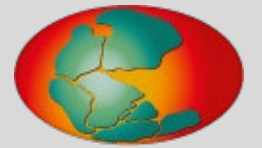
**A**  
Accessible

**I**  
Interoperable

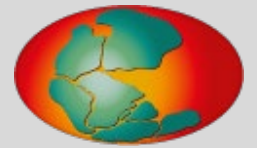
**R**  
Reusable



# Benefits of data publication



- Visibility – more citations
- Credibility – more credits
- Exchange – improve accessibility



- Visibility – more citations
- Credibility – more credits
- Exchange – improve accessibility
  
- Data authors  $\neq$  paper authors
  - Acknowledging contributions of scientists, technicians, students, who generated the data, but did not contribute to the interpretation or manuscript writing
  - Authors of datasets: those who contributed to collection a processing of data
  - Follow general rules of good scientific practice

Citation and sharing tools



Citation:

**Nicolaus, Marcel; Fang, Yin-Chih; Hoppmann, Mario (2020):** Snow height on sea ice, meteorological conditions and drift of sea ice from autonomous measurements from buoy 2019S79, deployed during MOSAiC 2019/20. PANGAEA, <https://doi.pangaea.de/10.1594/PANGAEA.923187> (DOI registration in progress)

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

[RIS Citation](#) [BIBTEX Citation](#) [Copy Citation](#) [Facebook](#) [Twitter](#) [Show Map](#) [Google Earth](#)



Documentation



Abstract:

Snow height was measured by the Snow Buoy 2019S79, an autonomous platform, installed on drifting sea ice in the Arctic Ocean during MOSAiC (Leg 1) 2019/20. The resulting time series describes the evolution of snow height as a function of place and time between 07 Oct 2019 and 28 Nov 2010 in sample intervals of 1 hour. The Snow Buoy consists of four independent sonar measurements representing the area (approx. 10 m\*\*2) around the buoy. The buoy was installed on pack ice. In addition to snow height, geographic position (GPS), barometric pressure, air temperature, and ice surface temperature were measured. Negative values of snow height occur if surface ablation continues into the sea ice. Thus, these measurements describe the position of the sea ice surface relative to the original snow-ice interface. Differences between single sensors indicate small-scale variability of the snow pack around the buoy. The data set has been processed, including the removal of obvious inconsistencies (missing values). Records without any snow height may still be used for sea ice drift and meteorological analyses.

Keyword(s):

autonomous platform [Q](#); buoy [Q](#); drift [Q](#); snow depth [Q](#)

Further details:

[Buoy Deployment Report 2019S79 \(pdf\)](#) [Q](#)

Project(s):

[Sea Ice Physics @ AWI \(AWI\\_Sealce\)](#) [Q](#)  
[Current sea ice maps for Arctic and Antartic](#) (meereisportal.de) [Q](#)  
[Multidisciplinary Ice-based Distributed Observatory \(MIDO\)](#) [Q](#)  
[Multidisciplinary drifting Observatory for the Study of Arctic Climate \(MOSAiC\)](#) [Q](#)

Project acknowledgement



[Multidisciplinary drifting Observatory for the Study of Arctic Climate](#) [Q](#)

Label: MOSAiC

Funded by: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven, grant/award no. AWI\_PS122\_00

0 \* West-bound Longitude: 117.911400 \* North-bound

Sampling metadata



Project(s):

- [Sea Ice Physics @ AWI \(AWI\\_Sealce\)](#)
- [Current sea ice maps for Arctic and Antartic](#) (meereisportal.de)
- [Multidisciplinary Ice-based Distributed Observatory \(MIDO\)](#)
- [Multidisciplinary drifting Observatory for the Study of Arctic Climate \(MOSAiC\)](#)

Coverage:

Median Latitude: 85.366409 \* Median Longitude: 126.990882 \* South-bound Latitude: 84.548200 \* West-bound Longitude: 117.911400 \* North-bound Latitude: 86.006000 \* East-bound Longitude: 137.639000

Date/Time Start: 2019-10-07T02:00:00 \* Date/Time End: 2019-11-28T08:02:00

Event(s):

**AF-MOSAiC-1\_108** (PS122/1\_1-146) \* Latitude Start: 84.871300 \* Longitude Start: 135.758250 \* Latitude End: 85.624500 \* Longitude End: 126.857200 \* Date/Time Start: 2019-10-07T02:00:00 \* Date/Time End: 2019-10-28T12:30:32 \* **Sensor URI: Link** \* Location: Arctic Ocean \* Campaign: [AF-MOSAiC-1](#) (MOSAiC20192020) \* Basis: Akademik Fedorov \* Method/Device: Snow buoy (BUOY\_SNOW) \* Comment: Station M2\_\_Measurement:Snow thickness\_\_Comment: \_\_Old Labels:M2\_SB05\_AWI\_20191007\_PS122/1\_1-146

Parameter(s):

#	Name	Short Name	Unit	Principal Investigator	Device	Sensor
1	DATE/TIME	Date/Time		Nicolaus, Marcel		
2	LATITUDE	Latitude		Nicolaus, Marcel		
3	LONGITUDE	Longitude		Nicolaus, Marcel		
4	Snow height	Snow h	m	Nicolaus, Marcel		
5	Snow height	Snow h	m	Nicolaus, Marcel		
6	Snow height	Snow h	m	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	Sensor 3
7	Snow height	Snow h	m	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	Sensor 4
8	Snow height	Snow h	m	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	mean
9	Pressure, atmospheric	PPPP	hPa	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	
10	Temperature, air	TTT	°C	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	
11	Temperature, technical	T tech	°C	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	Equipment body

**Campaign: AF-MOSAiC-1**

Optional name: MOSAiC20192020

Start: 2019-09-21

End: 2019-10-18

Start location: Tromsø

End location: Arctic Ocean

Mastertrack: [doi:10.1594/PANGAEA.909433](#)

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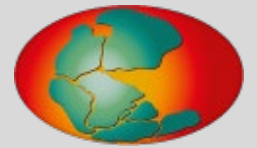
Size:

8453 data points

### Download Data

Download dataset as tab-delimited text (use the following character encoding: )

View dataset as HTML (shows only first 2000 rows)



AWI
Browse Search
LOGIN

## Snow Buoy 2019S79

Overview
Contacts
Actions
Parameters
Resources
Properties
Local Frame
Subdevices
Images
Ingest

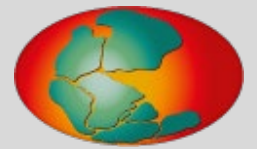
Current Version

Sensor (2020). Metadata for Buoy Snow Buoy 2019S79 at Current Version. <https://hdl.handle.net/10013/sensor.44a117dc-8d9a-4b23-8680-4dbc3a2ea769>

<b>State:</b>	<div style="display: flex; gap: 5px;"> <div style="background-color: #f4a460; padding: 2px 5px; border: 1px solid #ccc;">Construction</div> <div style="background-color: #0070c0; color: white; padding: 2px 5px; border: 1px solid #ccc;">Public</div> <div style="background-color: #d3d3d3; padding: 2px 5px; border: 1px solid #ccc;">Store</div> </div>
<b>ID:</b>	2532
<b>Parent:</b>	
<b>Device URN:</b>	buoy:2019s79
<b>Short Name:</b>	2019S79
<b>Long Name:</b>	Snow Buoy 2019S79
<b>Collections:</b>	MOSAIC-ICE
<b>Description:</b>	<p>The Snow Buoy determines the distance between four acoustic sounders, mounted on a frame at a height of 1.5 m, and the underlying surface (usually ice and snow). Conversion of the distance data to actual snow height is achieved by calibration to initial in-situ snow depth measurements below the acoustic sounders during deployment. Hourly measurements result in a time series of snow height evolution at the location of the buoy. Negative values of snow height occur if surface ablation continues into the sea ice. Thus, all snow height measurements describe the surface elevation relative to the original snow-ice interface. Differences between single sensors indicate small-scale variability of the snow pack around the buoy. In addition to snow height, geographic position (GPS), barometric pressure, air temperature and an internal hull temperature are recorded.</p>
<b>Serial:</b>	300234066344810
<b>Manufacturer:</b>	MetOcean ICEB-I-TBAS-SH-A (FID4052)
<b>Model:</b>	Snow Buoy
<b>Type:</b>	Buoy
<b>Asset Number:</b>	

Download sensor metadata as: [Sensor ML](#) | [JSON](#)

# O2A: Observation to Archive & Analyses



## SENSOR

Management of platform and sensor metadata



## DASHBOARD

Monitoring of near real-time data



## ANALYTICS

Data analysis, visualization, GIS services and MAPS



## PORTAL

One-stop-shop framework  
Interoperability services



## DATA ACQUISITION

DSHIP: Digital SHIP information system



## INGEST

Data acquisition, streaming and transfer in delayed-mode



## WORKSPACE

Collaborative solutions for data storage, processing, sharing and long-term preservation



## REPOSITORIES

Data and data products, publications, presentations, field reports





Event(s):

**AF-MOSAIc-1\_108** (PS122/1\_1-146) \* *Latitude Start:* 84.871300 \* *Longitude Start:* 135.758250 \* *Latitude End:* 85.624500 \* *Longitude End:* 126.857200 \* *Date/Time Start:* 2019-10-07T02:00:00 \* *Date/Time End:* 2019-10-28T12:30:32 \* *Sensor URI:* [Link](#) \* *Location:* Arctic Ocean \* *Campaign:* AF-MOSAIc-1 (MOSAIc20192020) \* *Basis:* Akademik Fedorov \* *Method/Device:* Snow buoy (BUOY\_SNOW) \* *Comment:* Station M2\_Measurement:Snow thickness\_\_Comment: \_\_Old Labels:M2\_SB05\_AWI\_20191007,PS122/1\_1-146

Parameter(s):

#	Name	Short Name	Unit	Principal Investigator	Method/Device	Comment
1	DATE/TIME	Date/Time		Nicolaus, Marcel		Geocode
2	LATITUDE	Latitude		Nicolaus, Marcel		Geocode
3	LONGITUDE	Longitude		Nicolaus, Marcel		Geocode
4	Snow height	Snow h	m	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	Sensor 1
5	Snow height	Snow h	m	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	Sensor 2
6	Snow height	Snow h	m	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	Sensor 3
7	Snow height	Snow h	m	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	Sensor 4
8	Snow height	Snow h	m	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	mean
9	Pressure, atmospheric	PPPP	hPa	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	
10	Temperature, air	TTT	°C	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	
11	Temperature, technical	T tech	°C	Nicolaus, Marcel	Snow buoy (BUOY_SNOW)	Equipment body

License:

Creative Commons Attribution 4.0 International

Size:

8453 data points

## Data

Download dataset as tab-delimited text (use the following character encoding: )

1	2	3	4	5	6	7	8	9	10	11
Date/Time	Latitude	Longitude	Snow h [m]	Snow h [m]	Snow h [m]	Snow h [m]	Snow h [m]	PPPP [hPa]	TTT [°C]	T tech [°C]
			(Sensor 1)	(Sensor 2)	(Sensor 3)	(Sensor 4)	(mean)			(Equipment body)
2019-10-07T02:00:00	84.8720	135.7358						1023.5	-5.9	-2.0
2019-10-07T03:00:00	84.8708	135.7702						1023.2	-6.0	-1.7
2019-10-07T04:00:00	84.8694	135.8062						1023.0	-6.0	-1.6
2019-10-07T05:00:00	84.8676	135.8422	0.114	0.14		0.12	0.125	1022.7	-6.0	-1.5
2019-10-07T06:00:00	84.8654	135.8788	0.114	0.14		0.12	0.125	1022.4	-5.9	-1.4
2019-10-07T07:00:00	84.8630	135.9138	0.124	0.14		0.12	0.128	1022.0	-6.1	-1.3
2019-10-07T08:00:00	84.8606	135.9468	0.124	0.14	0.13	0.12	0.129	1021.6	-6.0	-1.2
2019-10-07T09:00:00	84.8584	135.9796	0.124	0.14	0.13	0.12	0.129	1021.3	-5.6	-1.2
2019-10-07T10:00:00	84.8560	136.0152	0.124	0.14	0.13	0.12	0.129	1021.2	-5.3	-1.1
2019-10-07T11:00:00	84.8536	136.0572	0.124	0.14	0.13	0.12	0.129	1020.5	-5.8	-1.0
2019-10-07T12:00:00	84.8512	136.1066	0.114	0.14	0.13	0.12	0.126	1019.8	-6.0	-1.0

Parameters, units



Data

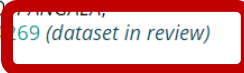


Status (in review)

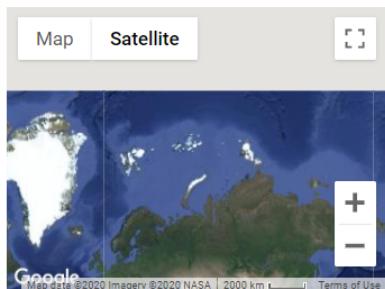


Citation:

**Granskog, Mats A; Høyland, Knut V; De La Torre, Pedro R; Divine, Dmitry; Katlein, Christian; Itkin, Polona; Raphael, Ian; Olsen, Lasse M (2020):** Temperature and heating induced temperature difference measurements from the sea ice mass balance SIMBA 2020T60. <https://doi.pangaea.de/10.1594/PANGAEA.924269> (dataset in review)



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Abstract:

Temperature and heating-induced temperature differences were measured along a chain of thermistors. SIMBA 2020T60 (a.k.a. HAVOC 0101) is an autonomous instrument that was installed on drifting sea ice in the Arctic Ocean during the 2nd leg of MOSAiC in February 2020. The thermistor chain was 10m long and included 250 sensors with a regular spacing of 4cm. The resulting time series describes the evolution of temperature and temperature differences after two heating cycles of 30 and 120 s as a function of place, depth and time between 08 Jan 2020 and 22 Apr 2020 in sample intervals of 6 hours for temperature and 24 hours for temperature differences. The buoy was installed on the ridge crest known as SIRO. In addition to temperature, geographic position, barometric pressure, air temperature measured 1m over the ice level, tilt and compass were measured. The data set has been processed as follows: obvious inconsistencies (missing values) and unrealistic values in position have been removed. This instrument was deployed as part of the project Ridges - Safe HAVens for ice-associated Flora and Fauna in a Seasonally ice-covered Arctic Ocean (HAVOC).

Keyword(s):

Autonomous buoy [Q](#); Ice mass balance [Q](#); Temperature [Q](#); Thermistor [Q](#)

Further details:

[SIMBA HAVOC0101 \(SRSL UI 02943\) deployment description \(pdf\) \[Q\]\(#\)](#)  
[SIMBA HAVOC0101 \(SRSL UI 02943\) deployment record \(pdf\) \[Q\]\(#\)](#)

Project(s):

[Ridges - Safe HAVens for ice-associated Flora and Fauna in a Seasonally ice-covered Arctic Ocean \(HAVOC\) \[Q\]\(#\)](#)  
[Current sea ice maps for Arctic and Antarctic \(meereisportal.de\) \[Q\]\(#\)](#)  
[Multidisciplinary drifting Observatory for the Study of Arctic Climate \(MOSAIC\) \[Q\]\(#\)](#)

Coverage:

Median Latitude: 86.585397 \* Median Longitude: 51.011861 \* South-bound Latitude: 84.101210 \* West-bound Longitude: 7.594640 \* North-bound Latitude: 88.653070 \* East-bound Longitude: 115.615480  
Date/Time Start: 2020-01-08T09:00:17 \* Date/Time End: 2020-04-22T03:00:16

Size:

4 datasets

**Download Data (login required)**

Download ZIP file containing all datasets as tab-delimited text (use the following character encoding: [UTF-8: Unicode \(PANGAEA default\)](#))

Datasets listed in this bundled publication

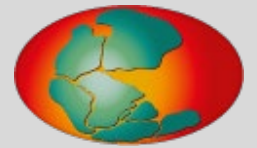
1. **Granskog, MA; Høyland, KV; De La Torre, PR et al. (2020):** Auxiliary data from the sea ice mass balance SIMBA 2020T60. <https://doi.pangaea.de/10.1594/PANGAEA.924251>
2. **Granskog, MA; Høyland, KV; De La Torre, PR et al. (2020):** Heating induced temperature difference measurements from the sea ice mass balance SIMBA 2020T60: 120 s after the heating cycle. <https://doi.pangaea.de/10.1594/PANGAEA.924268>
3. **Granskog, MA; Høyland, KV; De La Torre, PR et al. (2020):** Heating induced temperature difference measurements from the sea ice mass balance SIMBA 2020T60: 30 s after the heating cycle. <https://doi.pangaea.de/10.1594/PANGAEA.924267>
4. **Granskog, MA; Høyland, KV; De La Torre, PR et al. (2020):** Temperature measurements from the sea ice mass balance SIMBA 2020T60. <https://doi.pangaea.de/10.1594/PANGAEA.924265>

Password protection



Dataset collection

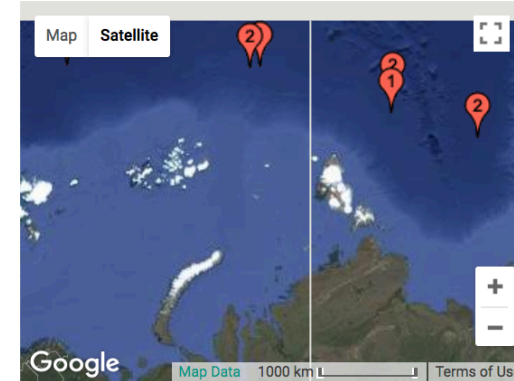




*Citation:*

**Fernández-Méndez, Mar; Wenzhöfer, Frank; Peeken, Ilka; Sørensen, Heidi L; Glud, Ronnie N; Hendricks, Stefan; Nicolaus, Marcel; Katlein, Christian; Nöthig, Eva-Maria; Bakker, Karel; Boetius, Antje (2014):** Biogeochemical characterization of pennate diatom and *Melosira arctica* ice algal aggregates in the Central Arctic Ocean collected in summer 2011 and 2012. *PANGAEA*, <https://doi.org/10.1594/PANGAEA.832345>,

**Supplement to: Fernández-Méndez, Mar; Wenzhöfer, Frank; Peeken, Ilka; Sørensen, Heidi L; Glud, Ronnie N; Boetius, Antje; Vopel, Kay (2014):** Composition, Buoyancy Regulation and Fate of Ice Algal Aggregates in the Central Arctic Ocean. *PLoS ONE*, **9(9)**, e107452, <https://doi.org/10.1371/journal.pone.0107452>



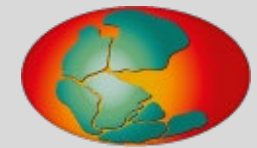
Always quote above citation when using data! You can download the citation in several formats below.

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

*Abstract:*

Sea-ice diatoms are known to accumulate in large aggregates in and under the sea ice including melt ponds. In the Arctic, they can contribute substantially to particle export when sinking from the ice. The role and regulation of microbial aggregation in the highly seasonal, nutrient- and light-limited Arctic sea-ice ecosystem is not yet well understood, and may vary in relation to the fate of the Arctic sea-ice cover. To elucidate the mechanism controlling the formation and export of algal aggregates from sea ice, we investigated samples taken in late summer 2011 and 2012, during two cruises to the Eurasian Basin of the Central Arctic Ocean. Dense, spherical aggregates composed mainly of pennate diatoms, and filamentous aggregates formed by *Melosira arctica* were found in different degradation stages, with carbon to Chlorophyll a ratios ranging from 110 to 66700, and carbon to nitrogen molar ratios of 8-35 and 9-40, respectively. Fresh sub-ice algal aggregate densities ranged between 1 and 17 aggregates/m<sup>2</sup>, corresponding to a net primary production of 0.4-40 mg C/m<sup>2</sup>/d, contributing 3-80% of total biomass and up to 94% of total production at a local scale. A key factor controlling buoyancy of the aggregates was light intensity, regulating photosynthetic oxygen production and flotation by gas bubbles trapped within the mucous matrix, even at low ambient nutrient concentrations. Our data was used to evaluate the factors regulating the distribution and importance of the Arctic algal aggregates as carbon source for pelagic and benthic communities.

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RESEARCH ARTICLE

## Composition, Buoyancy Regulation and Fate of Ice Algal Aggregates in the Central Arctic Ocean

Mar Fernández-Méndez, Frank Wenzhöfer, Ilka Peeken, Heide Wenzhöfer, Sørensen HL, Glud RN, Boetius A (2014) Composition, Buoyancy Regulation and Fate of Ice Algal Aggregates in the Central Arctic Ocean. PLoS ONE 9(9): e107452. <https://doi.org/10.1371/journal.pone.0107452>

Published: September 10, 2014

Article	Authors	Metrics
Abstract	<b>Abstract</b>	
Introduction	Sea-ice diatoms are known to form aggregates in the highly seasonal Arctic Ocean. These aggregates are well understood. To elucidate their role in the Arctic Ocean, we investigated the composition, buoyancy regulation and fate of ice algal aggregates in the central Arctic Ocean during the summer season. We found that ice algal aggregates are composed of a diverse community of diatoms, flagellates, and cyanobacteria. The aggregates are buoyant and can persist in the water column for several weeks. The aggregates are composed of a diverse community of diatoms, flagellates, and cyanobacteria. The aggregates are buoyant and can persist in the water column for several weeks.	
Materials and Methods		
Results		
Discussion		

**Citation:** Fernández-Méndez M, Wenzhöfer F, Peeken I, Sørensen HL, Glud RN, Boetius A (2014) Composition, Buoyancy Regulation and Fate of Ice Algal Aggregates in the Central Arctic Ocean. PLoS ONE 9(9): e107452. <https://doi.org/10.1371/journal.pone.0107452>

**Editor:** Kay C. Vopel, Auckland University of Technology, New Zealand

**Received:** May 19, 2014; **Accepted:** August 18, 2014; **Published:** September 10, 2014

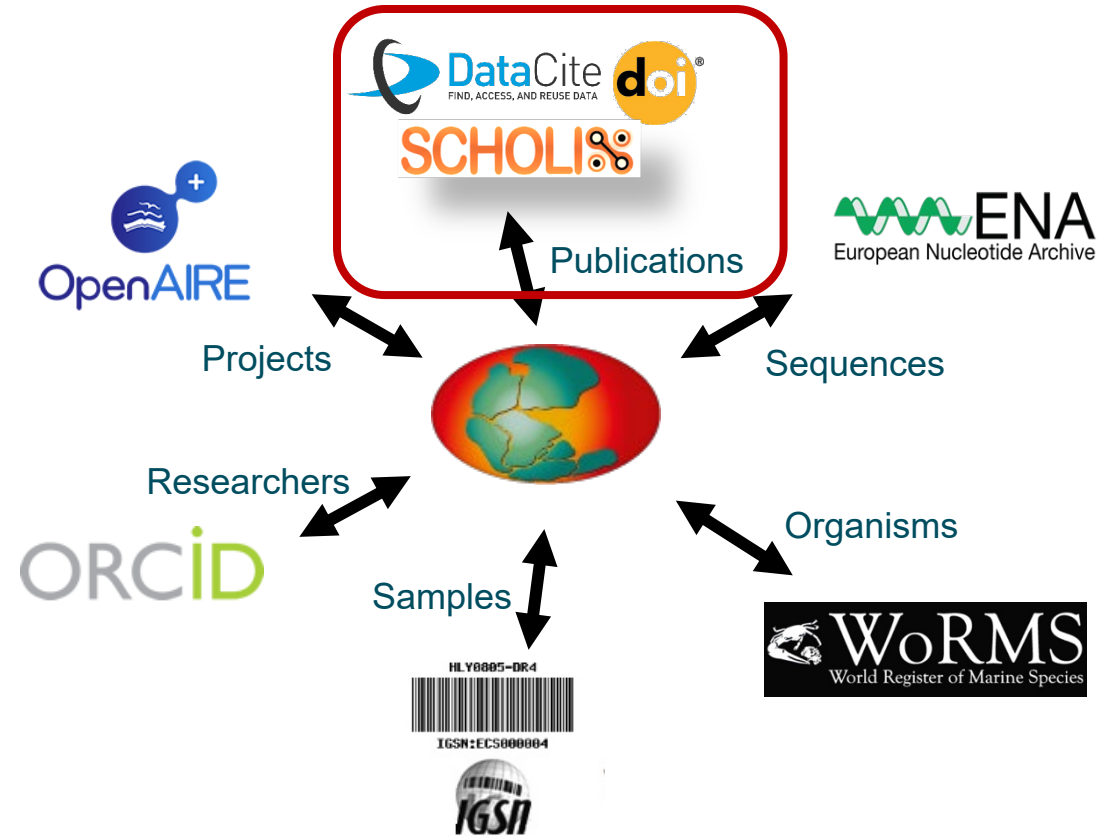
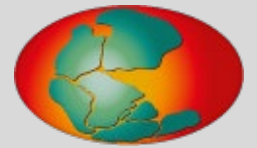
**Copyright:** © 2014 Fernández-Méndez et al. This is an open-access article distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

**Data Availability:** The authors confirm that all data underlying the findings are fully available without restriction. All data are available in the public repository PANGAEA. <http://doi.pangaea.de/10.1594/PANGAEA.832345>.

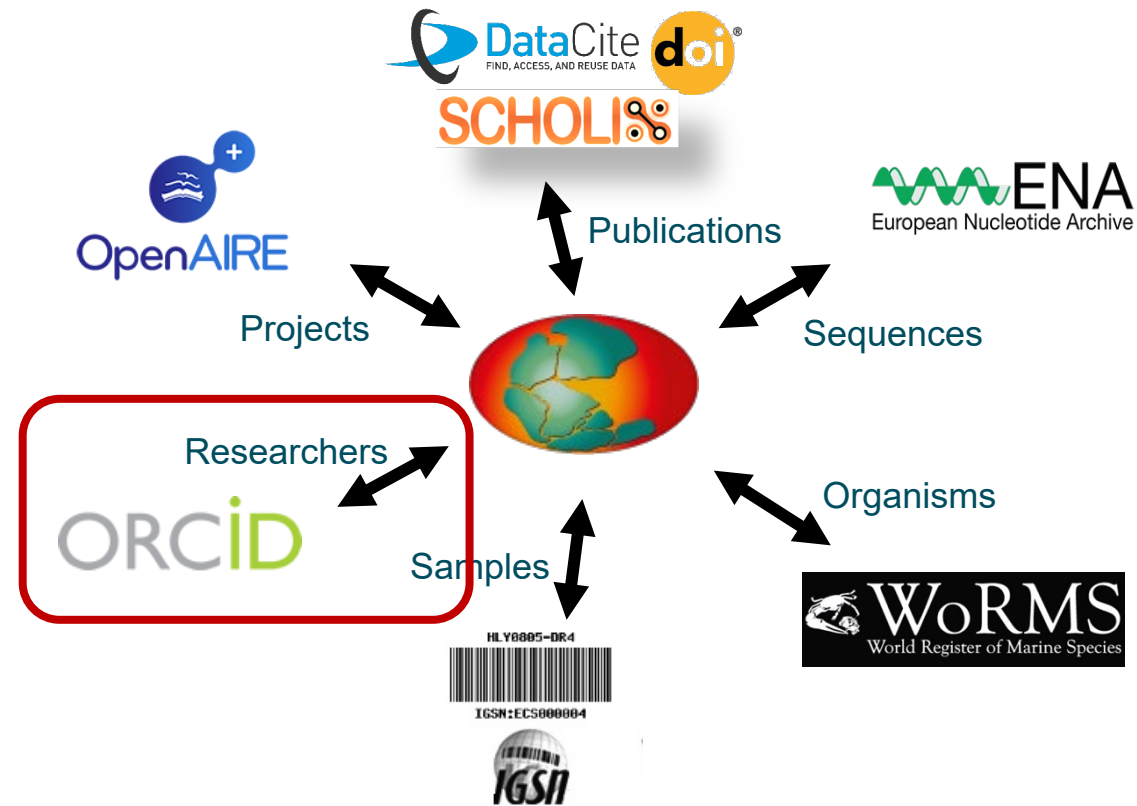
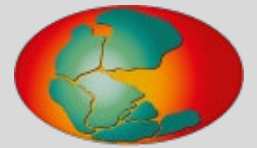
**Funding:** HLS and RNG were supported by the Commission for Scientific Research in Greenland (KVUG;GCRC6507), the European Research Council through an Advanced Grant (ERC-2010-AdG20100224), the Danish National Research Foundation (DNRF53) and the Danish Council for Independent Research (12-125843). This study was supported by the European Research Council Advanced Investigator grant 294757 to AB. Additional support came from the Helmholtz Association and the Max Planck Society. The funders had no role in study design, data collection and analysis, decision to publish, or preparation of the manuscript.



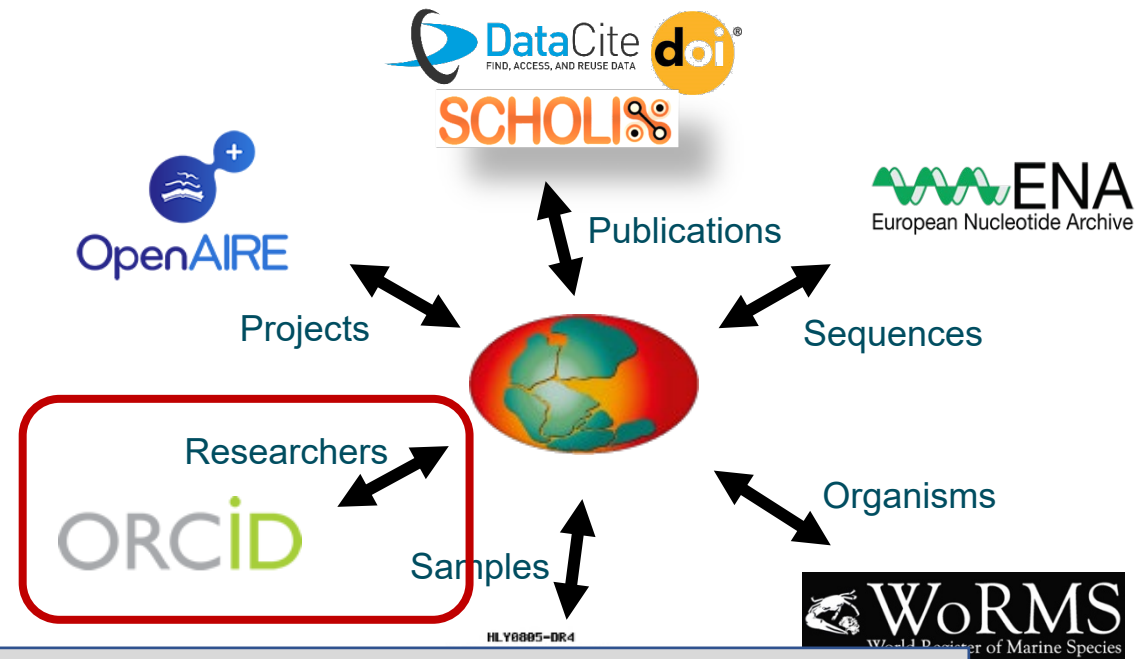
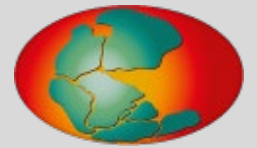
# Cross Referencing - Linking



# Cross Referencing - Linking

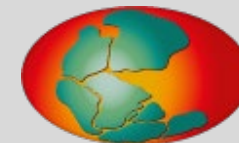


# Cross Referencing - Linking



ORCID: Open Researcher and Contributor ID is a non-proprietary alphanumeric code to uniquely identify scientific and other academic authors and contributors.

# Cross Referencing - Linking



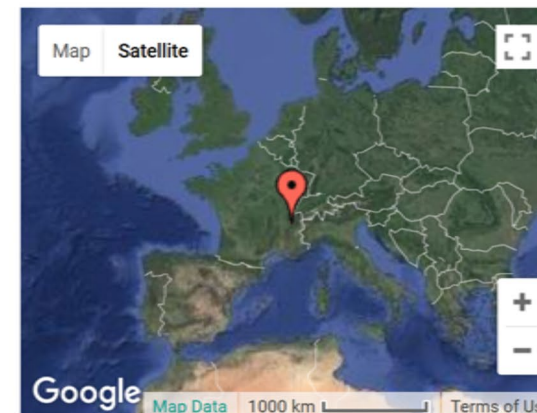
Author-PID:



Citation:

**Bajard, Manon; Sabatier, Pierre; David, Fernand; Develle, Anne-Lise; Boyer, Jean-Louis; Fagnon, Bernard; Malet, Emmanuelle; Sabatier, Pierre; Lecomte, Laurent; Crouzet, Christophe; Lecomte, Fabien (2015):** Chemical and mineralogical study of the THU10-Mastercore. *PANGAEA*, doi: <https://doi.org/10.1594/PANGAEA.855427>,

*In supplement to:* Bajard, M et al. (2015): Erosion record in Lake La Thuile sediments (Prealps, France): Evidence of montane landscape dynamics throughout the Holocene. *The Holocene*, **26(3)**, 350-364, doi: <https://doi.org/10.1177/0959683615609750>



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

Coverage:

Latitude: 45.530000 \* Longitude: 6.056700

Date/Time Start: 2012-07-13T08:28:42 \* Date/Time End: 2013-05-22T12:25:30

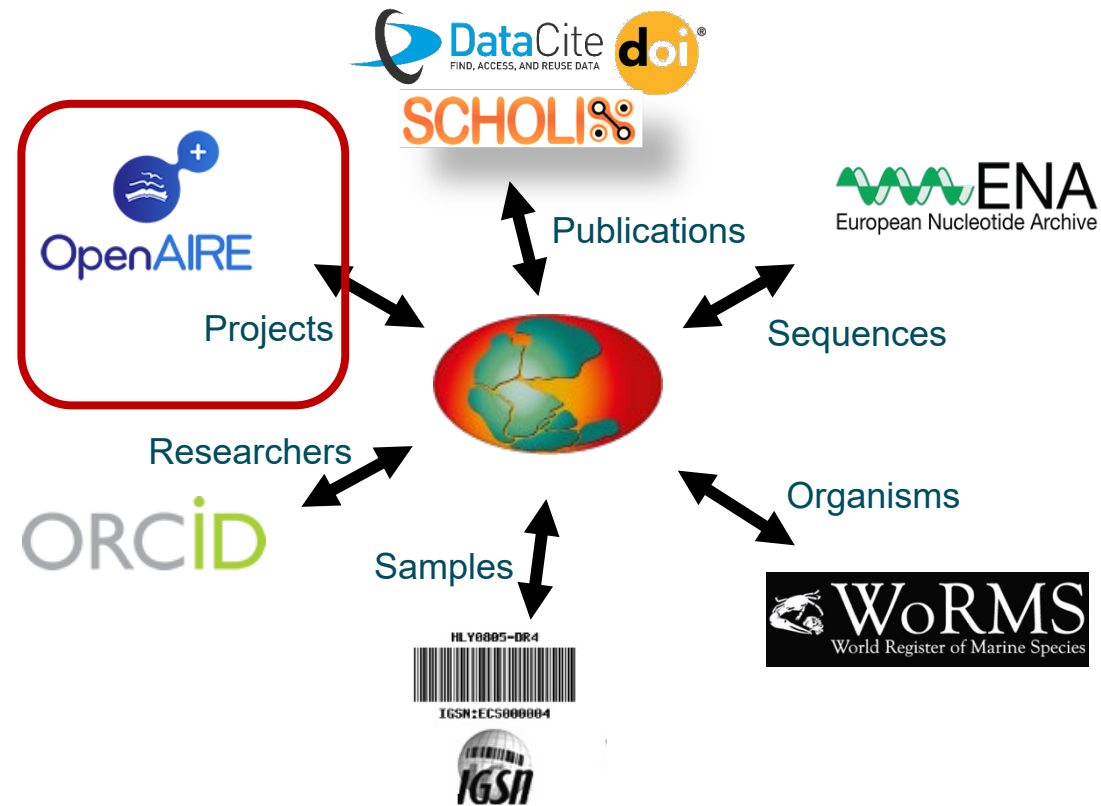
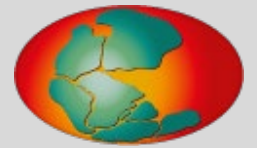
Minimum DEPTH, sediment/rock: 0.02000 m \* Maximum DEPTH, sediment/rock: 6.23000 m

Event(s):

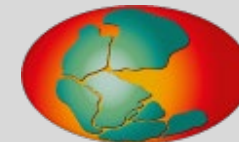
**THU10-Mastercore** \* Latitude: 45.530000 \* Longitude: 6.056700 \* Date/Time: 2010-04-25T00:00:00 \* Elevation: 874.0 m \* Device: Piston corer (PC) \* Comment: IGSN of cores: THU10-P1: [IEFRA00BA](#); THU10-I: [IEFRA00BB](#)



# Cross Referencing - Linking



# Cross Referencing – Open Air - CORDIS



The screenshots show the CORDIS website interface for the project 'Hotspot Ecosystem Research and Man's Impact on European seas'. The top navigation bar includes 'HOME', 'RESULTS PACKS', 'RESEARCH\*EU MAGAZINES', 'NEWS & EVENTS', 'PROJECTS & RESULTS', and 'ABOUT US'. The project title is prominently displayed, along with a search bar and a 'LOG IN' button.

The main content area is divided into several sections:

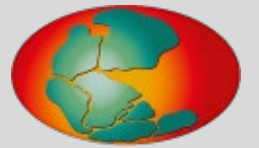
- Objective:** The HERMIONE project is designed to make a... ecosystems and their contribution to the product interdisciplinary approach (including biologists, e... physical oceanographers, modelers and socio-e... biological capacity in the context of a wide range is crucial, because these ecosystems are now b... fishing, resource extraction, seabed installations strategies and management plans we must und... ecosystems and integrate socio-economic rese... Atlantic and Mediterranean and cover a range of seeps, seamounts and open slopes and deep-b... science and user needs. HERMIONE will enhan... also through some of the major EU aquaria. The available, will create a platform for discussion be policies.
- Field of science:** /natural sciences/biological sciences/ecology/ec... /natural sciences /engineering and technology/environmental eng...
- Programme(s):**
- Publications:** Publications via OpenAire
- Datasets:** Datasets via Openaire
- Share this page:**

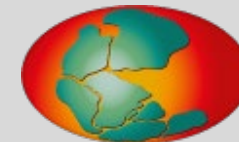
The right sidebar contains 'Project Information' for HERMIONE:

- Grant agreement ID: 226354
- Project website [Project website](#)
- Status: Closed project
- Start date: 1 April 2009
- End date: 30 September 2012
- Funded under: FP7-ENVIRONMENT
- Overall budget: € 10 982 142,33
- EU contribution: € 7 998 955
- Coordinated by: NATURAL ENVIRONMENT RESEARCH COUNCIL
- United Kingdom

Below the sidebar, there are three publication entries:

- Single cell abundances of Amon mud volcano sediments measured at station MSM13/3\_968-1\_PUC2  
Author(s): Felden, Janine, Boetius, Antje  
Published in: PANGAEA
- Documentation of sediment core GeoB13735-2  
Author(s): Dierk Hebbeln, Claudia Wienberg, Lydia Beuck, André Freiwald, Paul Wintersteller, cruise participants  
Published in: PANGAEA
- Author(s): Pachiadaki, Maria G, Lykousis, Vasilios, Stefanou, Euripides G, Kormas, Konstantinos A
- Biogeochemical analysis in sediments of the Var turbidity system from ENVAR1\_MTB\_2  
Author(s): Mas, Virginie  
Published in: PANGAEA
- Mud volcanism related investigations of sediment core VKGD272/PC-34  
Author(s): Boetius, Antje, Lichtschlag, Anna, Felden, Janine  
Published in: PANGAEA

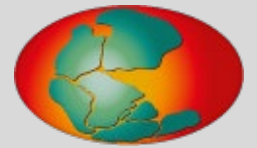




The screenshot shows a Google search interface with the query "karen helen wiltshire helgoland roads data". The search results are as follows:

- Search bar: karen helen wiltshire helgoland roads data
- Navigation: All (selected), News, Images, Maps, Videos, More, Settings, Tools
- Results: About 32.600 results (0,52 seconds)
- Result 1:
  - Source: [www.awi.de](http://www.awi.de) › about-us › organisation › staff › karen-h...
  - Title: [Prof. Dr. Karen Helen Wiltshire - AWI](#)
  - Description: Head of Coastal Programme Paces; Head of Coastal Ecology Section Responsible for Longterm Data Sets Helgoland & Sylt Roads; Director POGO Center of ...
- Result 2:
  - Source: [doi.pangaea.de](https://doi.pangaea.de) › PANGAEA.864676
  - Title: [Hydrochemistry at time series station Helgoland Roads, North ...](#)
  - Description: Wiltshire, Karen Helen (2016): Hydrochemistry at time series station ... Data contact: Karen Wiltshire (karen.wiltshire@awi.de); analyzed by Kristine Carstens.
- Result 3:
  - Source: [doi.pangaea.de](https://doi.pangaea.de) › PANGAEA.756613
  - Title: [Hydrochemistry at time series station Helgoland Roads, North ...](#)
  - Description: Wiltshire, Karen Helen (2011): Hydrochemistry at time series station ... Data contact: Karen Wiltshire (karen.wiltshire@awi.de); analyzed by Kristine Carstens.

# Data Access – Community Portal (e.g. GFBio)



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Plan

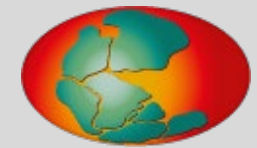


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Visualize

# Data Access – Community Portal (e.g. GFBio)



The screenshot shows the GFBio community portal search results for the query 'plankton'. The page features a navigation bar with the GFBio logo and menu items: About, Services, Infotehk, Events, GFBio e.V., and Sign In. A yellow banner at the top promotes the Semantic Search tool. On the left, there is a world map with a filter for 'OpenStreetMap contributors'. The search results are displayed in a list format, showing the search term 'plankton' and a list of related terms and data sets. The first result is 'Plankton Net' with a 'Show 10' button. Below the search results, there are filters for Author, Publication Year (1969 - 2021), and Geographical Region. The main content area displays several data sets, each with a title, data center, and summary. A 'FEEDBACK!' button is visible on the right side of the page.

gfbio About Services Infotehk Events GFBio e.V. Sign In

Try out our [Semantic Search](#) that can expand search queries to synonyms and scientific or common names! Why to use a semantic search? Watch this [video](#)!  
If you want to learn more how to use GFBio's search tools, have a look at our [How-To-Search](#) -Guide.

Search: plankton

Plankton Net  
Plankton net  
plankton net  
Showing 1 to 10 of 10 results

[Eukaryes](#) planktonic foraminifera  
[Data Cen](#) Plankton, wet weighted (Tranter, 1962)  
[Summary](#) Plankton  
[Data De](#) plankton  
Plankton, biomass, wet mass, fractionated  
[Makare](#) Plankton abundance  
[2016 m](#) Plankton, biovolume

[Data Center:](#) PANGAEA: Data Publisher for Earth & Environmental Science  
[Summary:](#) Phytoplankton, microzooplankton, copepod and dissolved nutrient data from a mesocosm experiment, which took place in summer 2016. A range of Si:N ratios and two levels of copepod g...(+)  
[License/Rights:](#) CC-BY-4.0: Creative Commons Attribution 4.0 International

[Data Description - Data Download](#)

[WaMS Marine plankton 18S diversity \(2015\)](#)  
[Data Center:](#) European Nucleotide Archive  
[Summary:](#) Diversity of Plankton in marine surface water  
[Data Description](#)

[plankton Raw sequence reads \(2016\)](#)  
[Data Center:](#) European Nucleotide Archive  
[Summary:](#) silver stress on plankton  
[Data Description](#)

[Plankton sample collected from Nanaimo Harbour Targeted Locus \(Loci\) \(2014\)](#)  
[Data Center:](#) European Nucleotide Archive  
[Summary:](#) Nanaimo Harbour, BC, Canada (plankton SSU library 454 sequencing)  
[Data Description](#)

Filter Results: [clear filters](#) [reset search](#)

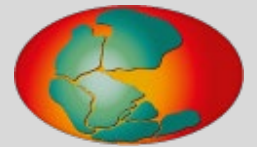
Author  
[Piontkovski, Sergey \(753\)](#)  
[Shipboard Scientific Party \(744\)](#)  
[Tara Oceans Consortium, Coordinators \(544\)](#)  
[Tara Oceans Expedition, Participants \(543\)](#)  
[Picheral, Marc \(496\)](#)  
[More...](#)

Publication Year(s): **1969 - 2021**  
[More...](#)

Geographical Region  
[Atlantic Ocean \(2803\)](#)  
[North Atlantic Ocean \(2036\)](#)

[FEEDBACK!](#)

# Data Access – Community Portal (e.g. GFBio)



About ▾ Services ▾ Infothek ▾ Events GFBio e.V. [Sign In](#)

Search:

Show  entries per page  Check All

Showing 1 to 10 of 9,939 entries [Previous](#) [Next](#)

[Eukaryotic Plankton Raw sequence reads \(2019\)](#)

Data Center: European Nucleotide Archive  
Summary: Effects of harmful algal blooms on plankton community  
[Data Description](#)

[Makareviciute-Fichtner, Kriste; Matthiessen, Birte; Lotze, Heike K; Sommer, Ulrich \(2020\): Plankton and dissolved nutrient data from 2016 mesocosm experiment manipulating Si:N and copepod grazing on Baltic Sea plankton community](#)

Data Center: PANGAEA: Data Publisher for Earth & Environmental Science  
Summary: Phytoplankton, microzooplankton, copepod and dissolved nutrient data from a mesocosm experiment, which took place in summer 2016. A range of Si:N ratios and two levels of copepod g...(+)  
License/Rights: CC-BY-4.0: Creative Commons Attribution 4.0 International  
[Data Description - Data Download](#)

[WaMS Marine plankton 18S diversity \(2015\)](#)

Data Center: European Nucleotide Archive  
Summary: Diversity of Plankton in marine surface water  
[Data Description](#)

[plankton Raw sequence reads \(2016\)](#)

Data Center: European Nucleotide Archive  
Summary: silver stress on plankton  
[Data Description](#)

[Plankton sample collected from Nanaimo Harbour Targeted Locus \(Loci\) \(2014\)](#)

Data Center: European Nucleotide Archive  
Summary: Nanaimo Harbour, BC, Canada (plankton SSU library 454 sequencing)  
[Data Description](#)

Filter Results: [clear filters](#) [reset search](#)

Author

- [Plontkovski, Sergey\(753\)](#)
- [Shipboard Scientific Party\(744\)](#)
- [Tara Oceans Consortium, Coordinators\(543\)](#)
- [Tara Oceans Expedition, Participants\(543\)](#)
- [Picheral, Marc\(496\)](#)
- [More...](#)

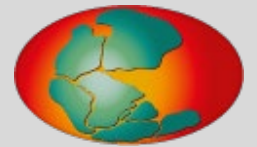
Publication Year(s): **1969 - 2021**

[More...](#)

Geographical Region

- [Atlantic Ocean\(2803\)](#)
- [North Atlantic Ocean\(2036\)](#)

[FEEDBACK!](#)



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Data



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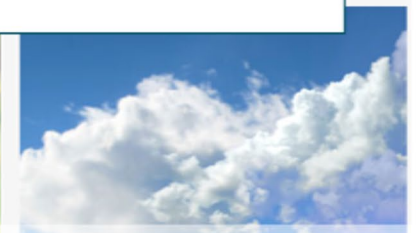
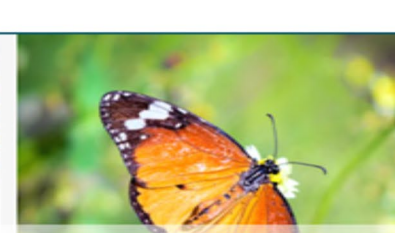
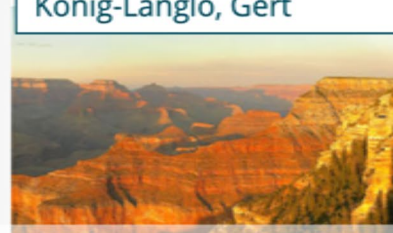
ALL TOPICS ▼

König-Langlo,Gert

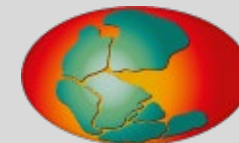
König-Langlo, Gert



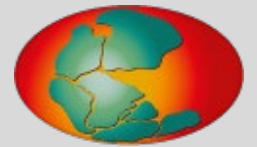
TOPICS







The screenshot shows the PANGAEA webportal interface. At the top, there is a search bar with the text 'König-Langlo, Gert' and a search button. The page title is 'PANGAEA.' and the user 'Janine Felden' is logged in. Below the search bar, there are navigation links: 'SEARCH', 'SUBMIT', 'ABOUT', and 'CONTACT'. The main content area displays '17873 datasets found on search for »König-Langlo, Gert«'. On the left, there is a 'Filter by...' section with categories: 'Dataset Author' (listing authors like König-Langlo, Gert, Gernandt, Hartwig, etc.), 'Dataset Publication Year' (with checkboxes for years 2020 to 2013), 'Topic' (listing subjects like Chemistry, Inorganic Chemistry, Atmosphere, etc.), and 'Project'. The main list shows seven search results, each with a title, size, and a DOI link. For example, the first result is 'König-Langlo, G (2016): Upper air soundings during POLARSTERN cruise PS97 (ANT-XXXI/3)' with 46 datasets. On the right, there is a 'Map' section with a satellite view of the world and a search interface for geographic coordinates, including a compass rose and date range selectors.



**PANGAEA**

Janine Felden

ALL TOPICS Temperature Oxygen Nitrate

SEARCH SUBMIT ABOUT CONTACT

Filter by... Atlantic Ocean

4317 datasets found on search for »Temperature Oxygen Nit...« with facet filters

SHOW MAP GOOGLE EARTH DATA WAREHOUSE

1 2 3 4 5 6 7 8 9 10

- WOCE Hydrographic Programme, WHP (2002):** Hydrochemistry measured on water bottle samples during Capitan Oca Balda cruise 08BD0491\_1 on section AR08  
*Related to: WOCE (2002):* World Ocean Circulation Experiment, Global Data, Version 3.0. *WOCE International Project Office, WOCE Report, Southampton, UK; published by U.S. National Oceanographic Data Center, Silver Spring*  
Size: 1443 data points  
<https://doi.org/10.1594/PANGAEA.837536> - Score: 16.9
- WOCE Hydrographic Programme, WHP (2002):** Hydrochemistry measured on water bottle samples during El Austral cruise 08EA0192\_1 on section AR08  
*Related to: WOCE (2002):* World Ocean Circulation Experiment, Global Data, Version 3.0. *WOCE International Project Office, WOCE Report, Southampton, UK; published by U.S. National Oceanographic Data Center, Silver Spring*  
Size: 1519 data points  
<https://doi.org/10.1594/PANGAEA.837535> - Score: 16.9
- WOCE Hydrographic Programme, WHP (2002):** Hydrochemistry measured on water bottle samples during HOLMBERG cruise 08EH0492\_1 on section AR08  
*Related to: WOCE (2002):* World Ocean Circulation Experiment, Global Data, Version 3.0. *WOCE International Project Office, WOCE Report, Southampton, UK; published by U.S. National Oceanographic Data Center, Silver Spring*  
Size: 1388 data points  
<https://doi.org/10.1594/PANGAEA.837533> - Score: 16.9
- WOCE Hydrographic Programme, WHP (2002):** Hydrochemistry measured on water bottle samples during Capitan Oca Balda cruise 08BD0993\_1 on section AR08  
*Related to: WOCE (2002):* World Ocean Circulation Experiment, Global Data, Version 3.0. *WOCE International Project Office, WOCE Report, Southampton, UK; published by U.S. National Oceanographic Data Center, Silver Spring*

**Dataset Author**  
WOCE Upper Ocean Thermal, UOT (4171)  
WOCE Hydrographic Programme, WHP (138)  
Fahrbach, Eberhard (4)  
Rohardt, Gerd (4)  
Gouriou, Yves (2)  
Mercier, Herlé (2)  
Bersch, Manfred (1)

**Dataset Publication Year**  
2010 (8)  
2006 (1564)  
2005 (2603)  
2002 (138)  
1996 (1)  
1993 (1)  
1991 (1)  
1990 (1)

**Topic**  
Chemistry (4312)  
Inorganic Chemistry (11)  
Animalia (10)  
Arthropoda (10)  
Biological Classification (10)  
Organic Chemistry (2)

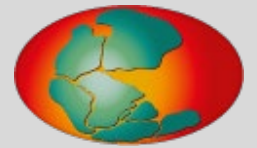
**Project**

Map Satellite

Google

To create a new geographic search coverage, use the buttons and input fields to enter coordinates below. The GPS button (top-left of wind rose) selects the area around your current location. For using the map, select the viewport button (top-right of wind rose) and drag or zoom the bounding rectangle on its borders. You can also select a date range by entering a start/end date. Press "Apply" to restrict current search results!

Clear S Apply



### Available Parameters and Geocodes

Page 1 of 4 < prev 1 2 3 4 next >

Score	Parameter/Geocode
100.0%	Oxygen [l
76.7%	Temperat
69.6%	Oxygen [
54.4%	Salinity
35.9%	Pressure
29.7%	Nitrate [u
27.0%	Temperat
16.9%	Bottle nu
15.9%	Silicate [s
15.4%	Phosphat
14.8%	Sample ID
10.9%	Freon-11 [pmol/l]
10.9%	Freon-12 [pmol/l]
8.8%	Nitrate ar

Implicit averaging  
 Calculate standard  
Download data in the f

**Start Dat**

### Configuration

Page 1 of 1 < prev 1 next >

Parameter/Geocode	Method
DATE/TIME	
DEPTH, [m]	
ELEVATION, [m]	
EVENT LOG	
LATITUDE	
LONGITUDE	

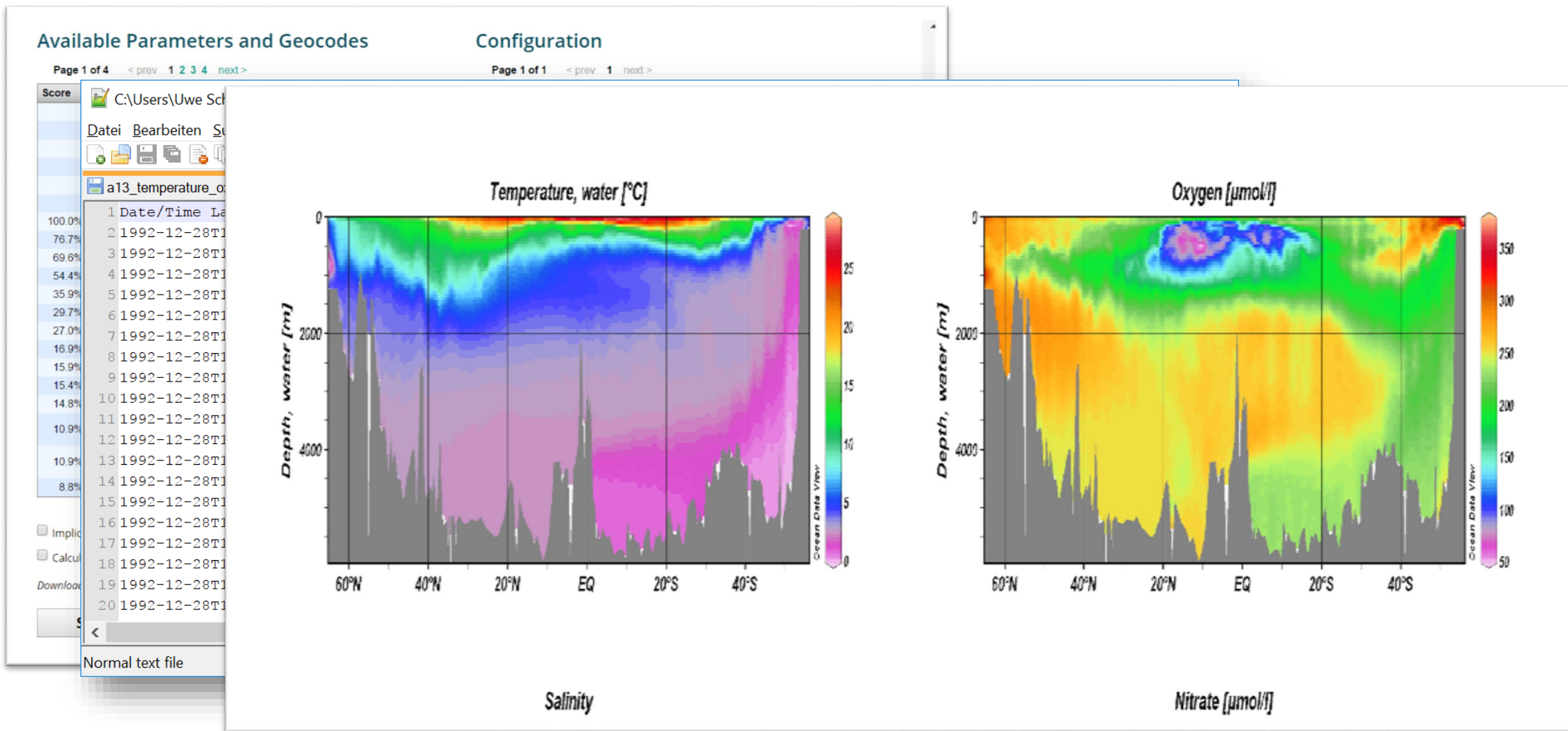
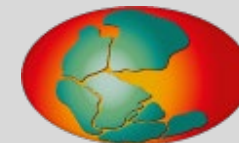
C:\Users\Uwe Schindler\Desktop\a13\_temperature\_oxygen\_nitrate.tab - Notepad++

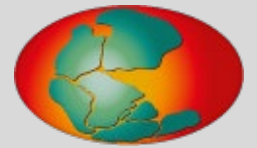
File Bearbeiten Suchen Ansicht Kodierung Sprachen Einstellungen Makro Ausführen TextFX Erweiterungen Fenster ?

a13\_temperature\_oxygen\_nitrate.tab

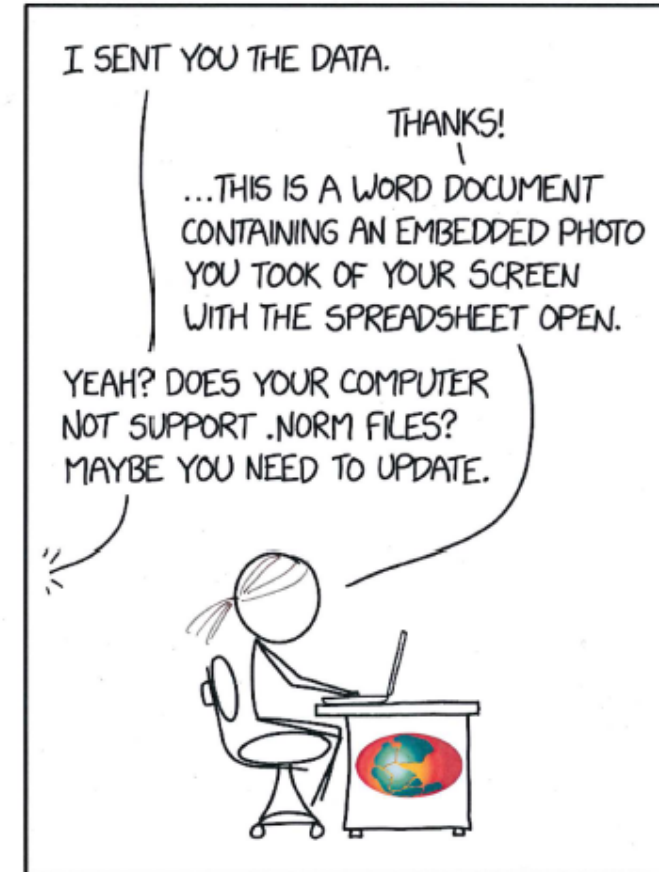
1	Date/Time	Latitude	Longitude	Depth water [m]	Temp [°C]	Sal	O2 [µmol/l]	NO3 [µmol/l]	Origin of Values
2	1992-12-28T15:06:00	-25.645000	-42.175000	2231.2	3.0820	34.9420		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
3	1992-12-28T15:06:00	-25.645000	-42.175000	2233.2	3.0720	34.9410		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
4	1992-12-28T15:06:00	-25.645000	-42.175000	2234.1	3.0770	34.9420		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
5	1992-12-28T15:06:00	-25.645000	-42.175000	2234.1		34.9400		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
6	1992-12-28T15:06:00	-25.645000	-42.175000	2235.1	3.0680	34.9420		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
7	1992-12-28T15:06:00	-25.645000	-42.175000	2235.1	3.0680	34.9390		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
8	1992-12-28T15:06:00	-25.645000	-42.175000	2235.1		34.9410		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
9	1992-12-28T15:06:00	-25.645000	-42.175000	2236.1		34.9400		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
10	1992-12-28T15:06:00	-25.645000	-42.175000	2236.1	3.0670	34.9420		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
11	1992-12-28T15:06:00	-25.645000	-42.175000	2236.1		34.9410		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
12	1992-12-28T15:06:00	-25.645000	-42.175000	2236.1	3.0650	34.9410		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
13	1992-12-28T15:06:00	-25.645000	-42.175000	2237.1	3.0670	34.9420		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
14	1992-12-28T15:06:00	-25.645000	-42.175000	2237.1		34.9400		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
15	1992-12-28T15:06:00	-25.645000	-42.175000	2238.1	3.0670	34.9420		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
16	1992-12-28T15:06:00	-25.645000	-42.175000	2239.0	3.0630	34.9410		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
17	1992-12-28T15:06:00	-25.645000	-42.175000	2239.0	3.0690	34.9400		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
18	1992-12-28T15:06:00	-25.645000	-42.175000	2239.0		34.9420		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
19	1992-12-28T15:06:00	-25.645000	-42.175000	2240.0		34.9400		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	
20	1992-12-28T15:06:00	-25.645000	-42.175000	2240.0	3.0630	34.9420		<a href="https://doi.pangaea.de/10.1594/PANGAEA.836809">https://doi.pangaea.de/10.1594/PANGAEA.836809</a>	

Normal text file    length : 138708758    lines : 1252876    Ln : 1    Col : 1    Sel : 0 | 0    UNIX    UTF-8    IN



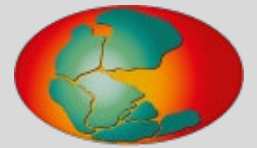


...to minimize the preparatory work prior to upload



SINCE EVERYONE SENDS STUFF THIS WAY ANYWAY, WE SHOULD JUST FORMALIZE IT AS A STANDARD.

Altered from xkcd: [.NORM Normal File Format](#)



*What?*



Parameter [unit]

*Who?*



Author(s),  
PI, Article

*Where?*



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

*When?*



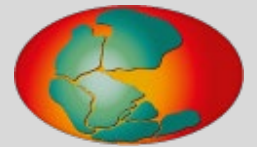
Date,  
Age...


*How?*



Method



**Please Specify Metadata**






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Janine Felden  

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Q

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2020-11-18


**MOSAIC EXPEDITION DOCUMENTARY**



One year in the eternal ice of the Arctic - the experiences and challenges during the MOSAIC expedition were captured in a documentary.

2020-10-20

**STATE OF NATURE IN EUROPE 2020**



Europe's nature is experiencing a serious and continuing decline. The challenge to protect it is urgent, and significant additional efforts are needed to reverse the current trend.

[▶ Show all 40 news items...](#)

TOPICS

MAP

CHEMISTRY

OCEANS

LITHOSPHERE

BIOLOGICAL CLASSIFICATION

ATMOSPHERE

PALEONTOLOGY

ECOLOGY

BIOSPHERE

LAND SURFACE

GEOPHYSICS

CRYOSPHERE

LAKES & RIVERS

HUMAN DIMENSIONS

FISHERIES

AGRICULTURE

### Featured Data

**Klages, JP; Salzmann, U; Bickert, T et al. (2019):** Sedimentological, palynological, geochemical, palaeomagnetic, and geochronological investigations of cores 9R and 10R from MARUM-MeBo70 Site PS104\_20-2

<https://doi.org/10.1594/PANGAEA.906092>

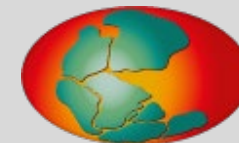
**Kölling, M (2019):** Pyrex 10.10 Model of pyrite oxidation on shelves over the Quaternary

<https://doi.org/10.1594/PANGAEA.904761>

**Bärfuss, K; Hankers, R; Bitter, M et al. (2019):** In-situ airborne measurements of atmospheric and sea surface parameters related to offshore wind parks in the German Bight

<https://doi.org/10.1594/PANGAEA.902845>

**Waelbroeck, C; Lougheed, BC; Vázquez Riveiros, N et al. (2019):** Consistently dated Atlantic sediment cores



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

**TOPICS**

- CHEMISTRY (159735)
- OCEANS (99260)
- LITHOSPHERE (55167)
- BIOLOGICAL CLASSIFICATION (32855)
- ATMOSPHERE (28678)
- PALEONTOLOGY (25384)
- ECOLOGY (16724)
- BIOSPHERE (7775)
- LAND SURFACE (7394)
- GEOPHYSICS (3636)
- CRYOSPHERE (1481)
- LAKES & RIVERS (687)
- HUMAN DIMENSIONS (475)
- FISHERIES (275)
- AGRICULTURE (135)

**MAP**

**Latest News**

2020-11-18  
**MOSAIC EXPEDITION DOCUMENTARY**  
One year in the eternal ice of the Arctic - the experiences and challenges during the MOSAIC expedition were captured in a documentary.

2020-10-20  
**STATE OF NATURE IN EUROPE 2020**  
Europe's nature is experiencing a serious and continuing decline. The challenge to protect it is urgent, and significant additional efforts are needed to reverse the current trend.

► Show all 40 news items...

**Featured Data**

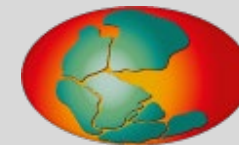
**Klages, JP; Salzmann, U; Bickert, T et al. (2019):** Sedimentological, palynological, geochemical, palaeomagnetic, and geochronological investigations of cores 9R and 10R from MARUM-MeBo70 Site PS104\_20-2  
► <https://doi.org/10.1594/PANGAEA.906092>


**Kölling, M (2019):** Pyrex 10.10 Model of pyrite oxidation on shelves over the Quaternary  
► <https://doi.org/10.1594/PANGAEA.904761>

**Bärfuss, K; Hankers, R; Bitter, M et al. (2019):** In-situ airborne measurements of atmospheric and sea surface parameters related to offshore wind parks in the German Bight  
► <https://doi.org/10.1594/PANGAEA.902845>

**Waelbroeck, C; Lougheed, BC; Vázquez Riveiros, N et al. (2019):** Consistently dated Atlantic sediment cores





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SEARCH SUBMIT ABOUT CONTACT

1 Basics 2 Licenses 3 References 4 Further-Details 5 Upload

### Basic Informations

**Title\***

Title max length: 200 chars

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

**Authors\***

✚ Last Name First Name Email Institution Website ✕

Please, enter the author(s) (the principal investigators) for the data set(s) you want to submit.

**Add an author**

**Keywords**

diatom; ice core; Antarctica; south westerly wind;

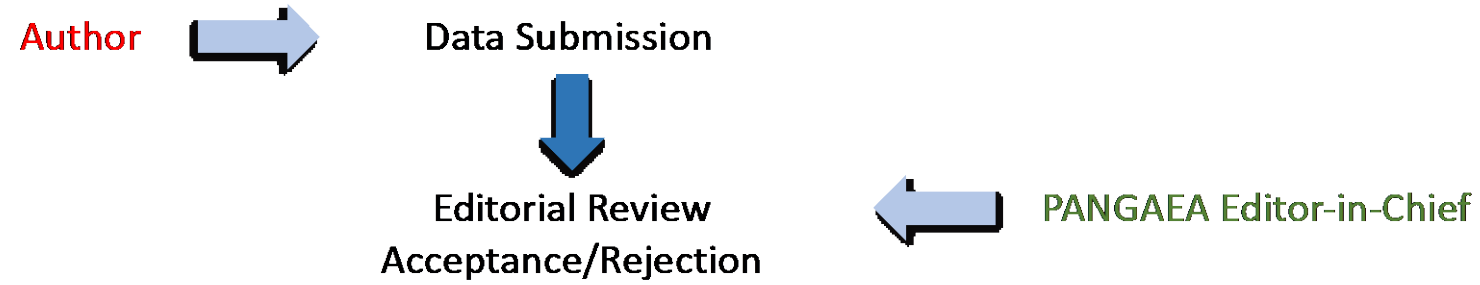
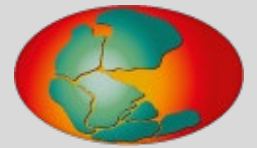
Press "Enter" to create badge.

**Abstract/Describe your Data\***

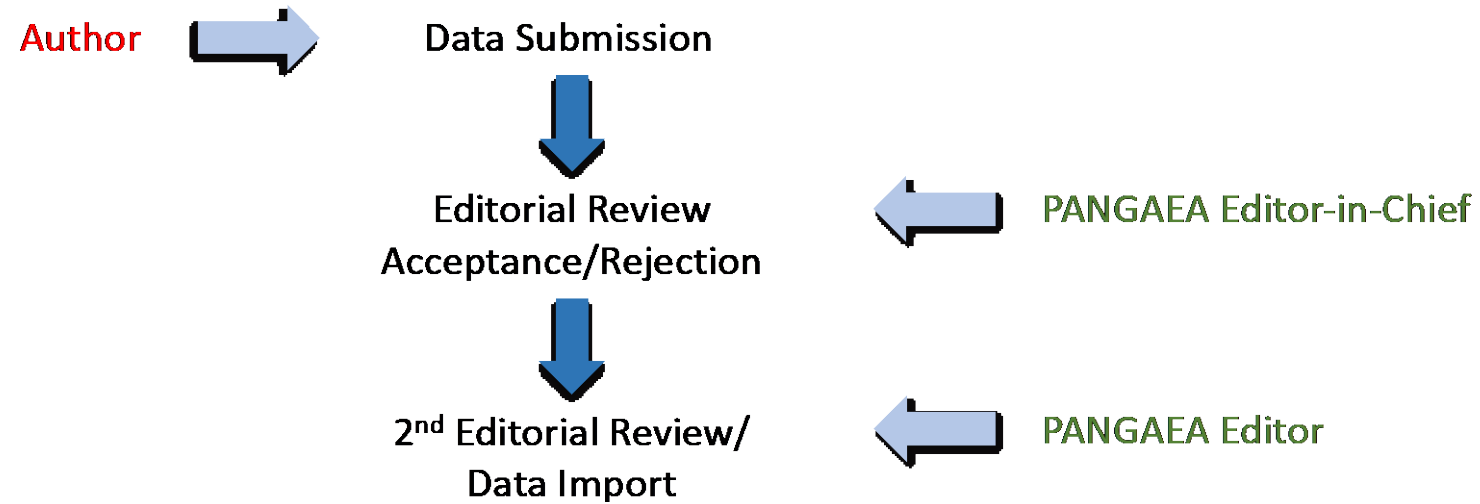
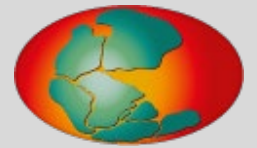
Abstract: **Mandatory** details about abstract requirements of your data set can be found here: <https://wiki.pangaea.de/wiki/Abstract>.

**Next**

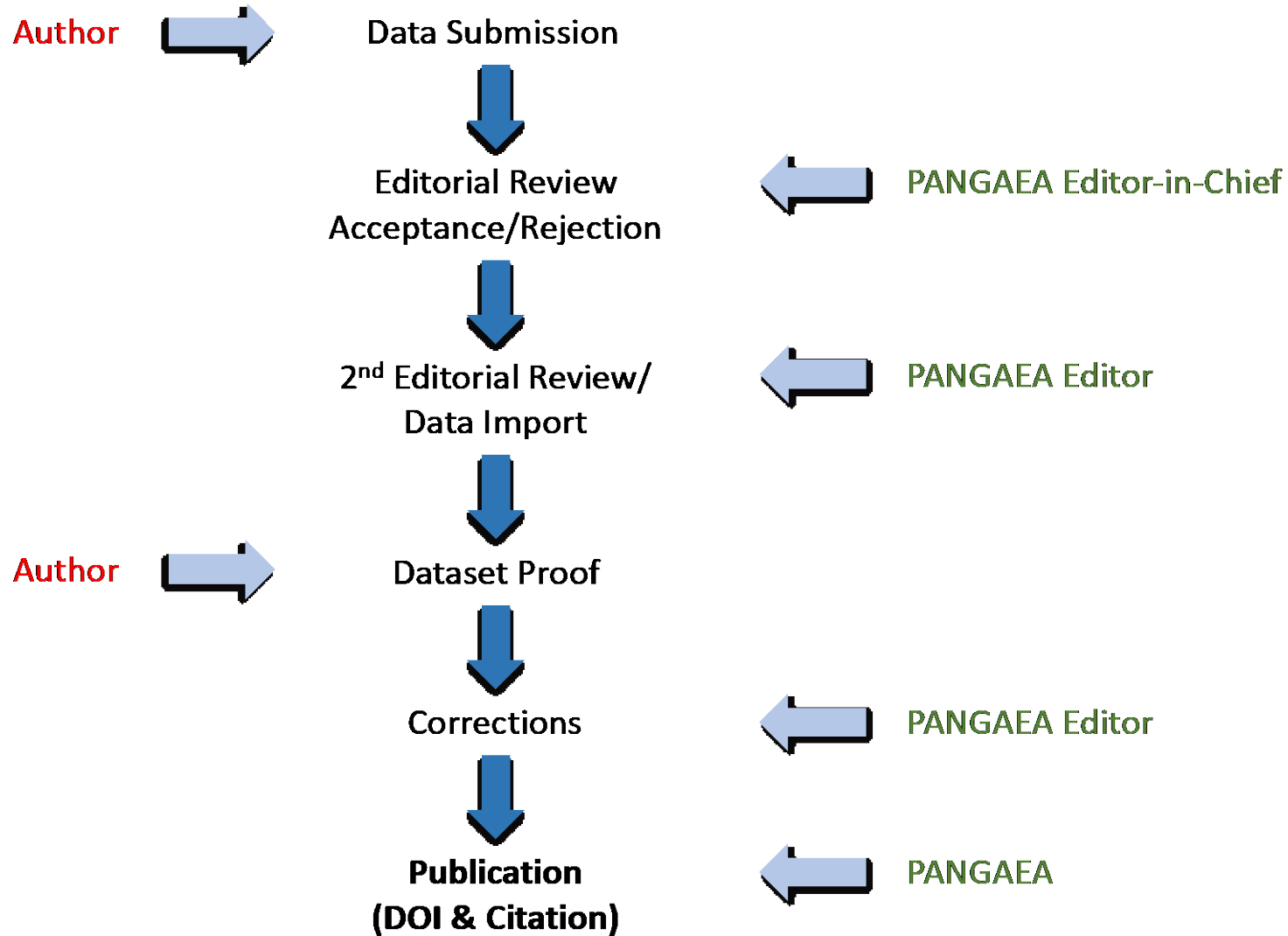
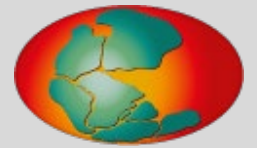
# Data Curation in PANAGEA

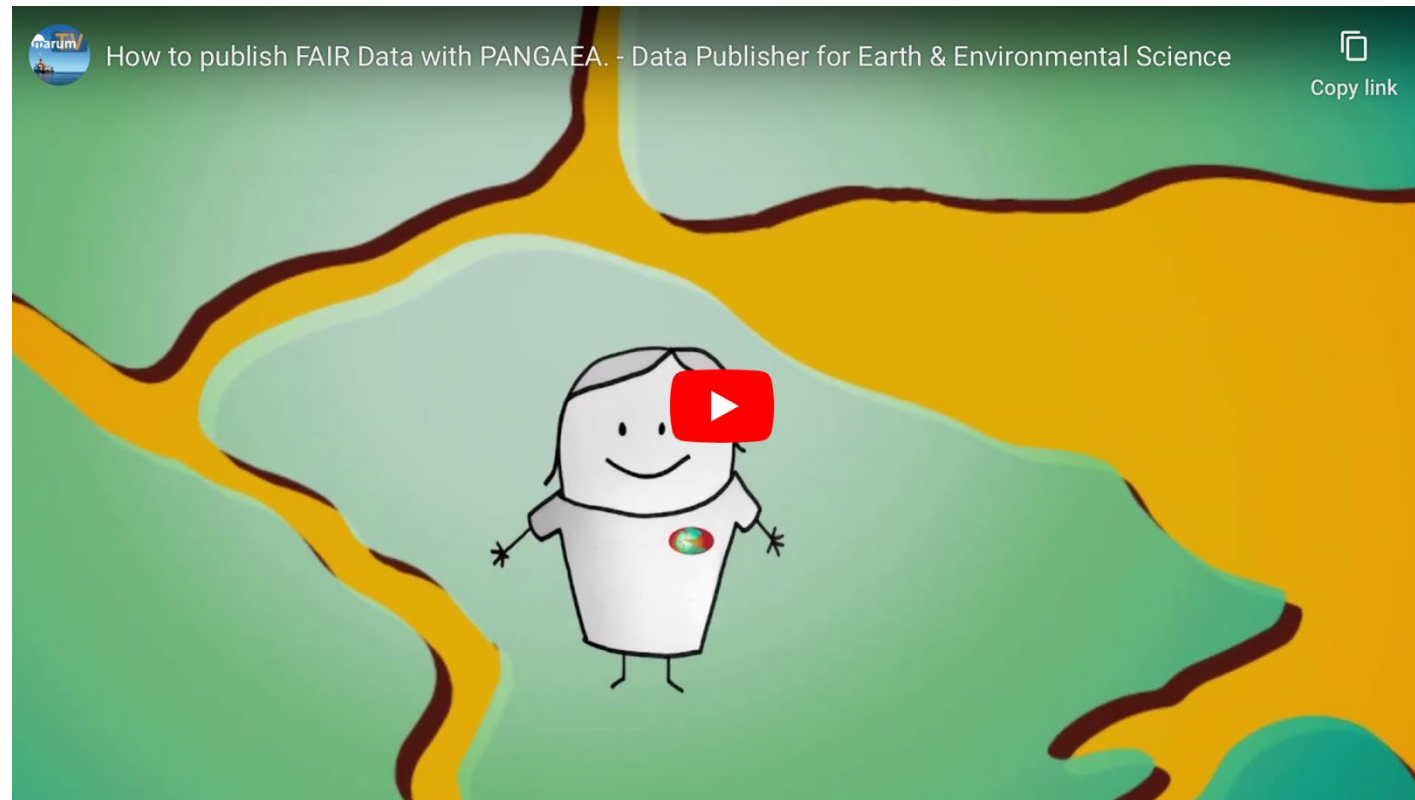
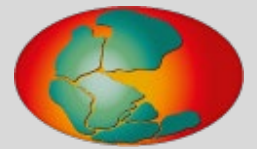


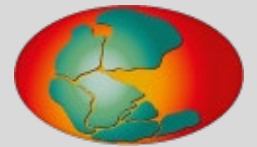
# Data Curation in PANAGEA



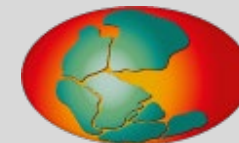
# Data Curation in PANAGEA







The screenshot displays the PANGAEA website interface. At the top left is the PANGAEA logo and tagline "Data Publisher for Earth & Environmental Science". The top right shows a user profile for "Janine Felden" with a red arrow pointing to it, and navigation links for "SEARCH", "SUBMIT", "ABOUT", and "CONTACT". The main content area includes a "Submit Data" button, a "Welcome to PANGAEA® Data Publisher" message, a search bar with the text "Search for measurement type, author name, project, taxa,...", and a "Latest News" section with two articles: "MOSAIC EXPEDITION DOCUMENTARY" (dated 2020-11-18) and "STATE OF NATURE IN EUROPE 2020" (dated 2020-10-20). A vertical sidebar on the left lists "TOPICS" and "AP" with corresponding images and counts for Chemistry (159735), Oceans (99260), Lithosphere (55167), Biological Classification (32855), and Atmosphere (28678).



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Janine Felden  

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Submit  
Data



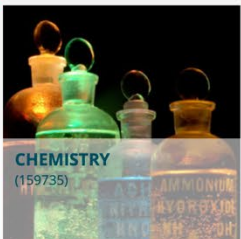
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Our services are generally open for archival data. PANGAEA is member of the ICSU World Data Center for Earth and Environmental Science.

ALL TOPICS

Search for me

TOPICS  
AP



CHEMISTRY  
(159735)



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LITHOSPHERE  
(55167)

## User Profile: Janine Felden (*jfelden*)

On this page you have access to your PANGAEA user profile. You are logged in as **jfelden** with the following options:

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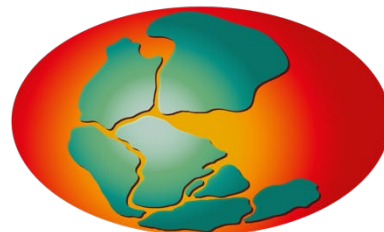
## You are mentioned in 556 datasets:

<< PREV | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | NEXT >>

1. **Wintersteller, P (2019):** Gridded bathymetry from EM120 multibeam echosounder of RV Maria S. Merian cruise MSM13/4 (Eastern Mediterranean Sea)  
Size: 12 data points  
<https://doi.org/10.1594/PANGAEA.902448>
2. **Wenzhöfer, F; Wintersteller, P; Römer, M (2019):** MSM13/4 raw data of EM120 multibeam echosounder (bathymetry, beam time series & water column)  
Size: 600 data points  
<https://doi.org/10.1594/PANGAEA.901859>
3. **Rybakova, E; Kremenetskaia, A; Vedenin, A et al. (2018):** OFOS photographic survey transects characteristics, megabenthic communities characteristics, seafloor algae coverage and environmental conditions during POLARSTERN cruise PS80 (ARK-XXVII/3, IceArc)  
*Related to: Rybakova, E; Kremenetskaia, A; Vedenin, A et al. (2019):* Deep-sea megabenthos communities of the Eurasian Central Arctic are influenced by ice-cover and sea-ice algal falls. *PLoS ONE*  
Size: 72 data points  
<https://doi.org/10.1594/PANGAEA.896626>

**THANKS for Your Attention !!!!**

**Questions?**



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