

# arcticdata::open\_science()





NSF

**ARCTIC  
Data  
Center**

# https://arcticdata.io



Data Support About

Submit Data

 Sign in with Orcid

Search ?

Search phrase



Filter by:

►  Data attribute

►  Creator

►  Year

►  Identifier

►  Taxon

►  Location

## DATASETS 1 TO 25 OF 5,021

Sort by Most recent

1

2

3

...

201

Next

Jacqueline M. Grebmeier and Lee W. Cooper. 2018. **Benthic macroinfaunal samples collected from the CCGS Sir Wilfrid Laurier, Northern Bering Sea to Chukchi Sea, 2012.** Arctic Data Center. doi:10.18739/A2FS1H.



6



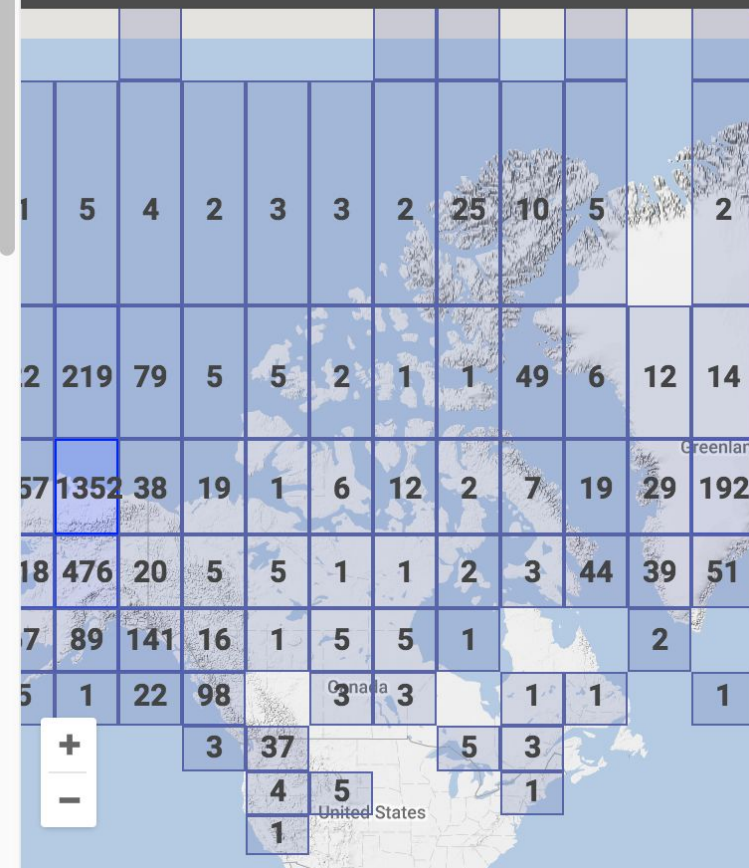
Kang Wang, Irina Overeem, Elchin Jafarov, Gary Clow, Vladimir Romanovsky, et al. 2018. **A synthesis dataset of near-surface permafrost conditions for Alaska, 1997-2016.** Arctic Data Center. doi:10.18739/A2KG55.



7



Hide Map »





# metadata

accurate, complete, consistent



Rubie's

## Rubies Costume DC Heroes and Villains Collection Pet Costume



[431 customer reviews](#) | [35 answered questions](#)

List Price: \$17.99

Price: **\$14.50** ✓prime

**FREE Shipping** on orders over \$25—or get **FREE Two-Day Shipping** with [Amazon Prime](#)

You Save: **\$3.49 (19%)**

**Only 13 left in stock (more on the way).**

**Want it Wednesday, April 18?** Order within **11 hrs 52 mins** and choose **Two-Day Shipping** at checkout. [Details](#)

Ships from and sold by Amazon.com.

Size: **Small**

**Small**

**\$14.50**

Medium

\$13.36

Large

\$14.17

X-Large

\$11.31





FanQube

## FanQube Fancy Guitar Player Pets Costume Cosplay Stripes Apparel without Wig Party Dress Up Clothing for Dogs Cats

★★★★☆ 34 customer reviews | 7 answered questions

Price: **\$14.09** & **FREE Shipping** on orders over \$25. [Details](#)

Get \$20 off instantly: Pay \$0.00 upon approval for the Amazon.com Store Card.

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**In Stock.**

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Sold by **FanQube®** and **Fulfilled by Amazon**. Gift-wrap available.

Size: **M**

**M**

**\$14.09**

**L**

\$14.09

**XL**

\$14.09



Rubie's

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Ships from and sold by Amazon.com.

Size: **Small**

**Small**

**\$14.50**

Medium

\$13.36

Large

\$14.17

X-Large

\$11.31

# Ecological Metadata Language (EML)

Machine-readable structure for storing scientific metadata





Jacqueline M. Grebmeier and Lee W. Cooper. 2018. Benthic macroinfaunal samples collected from the CCGS Sir Wilfrid Laurier, Northern Bering Sea to Chukchi Sea, 2012. Arctic Data Center. doi:10.18739/A2FS1H.

 Copy Citation

 Quality report

↑ Parent dataset: Collaborative Research: The Distributed Biological Observatory (DBO)-A Change Detection Array in the Pacific Arctic Region

Files in this dataset Package: resource\_map\_doi:10.18739/A2FS1H

 Name		File type	Size	Downloads	Download All 
 Metadata: science_metadata.xml		EML v2.1.1	22 KB	7 views	Download 
 SWL2012_SPECIES_Macroinfaunal_taxa.csv	<a href="#">More info</a>	text/csv	182 KB	3 downloads	Download 
 SWL2012_SPECIES_Macroinfaunal taxa_README.pdf	<a href="#">More info</a>	PDF	97 KB	12 downloads	Download 

## General

Identifier doi:10.18739/A2FS1H

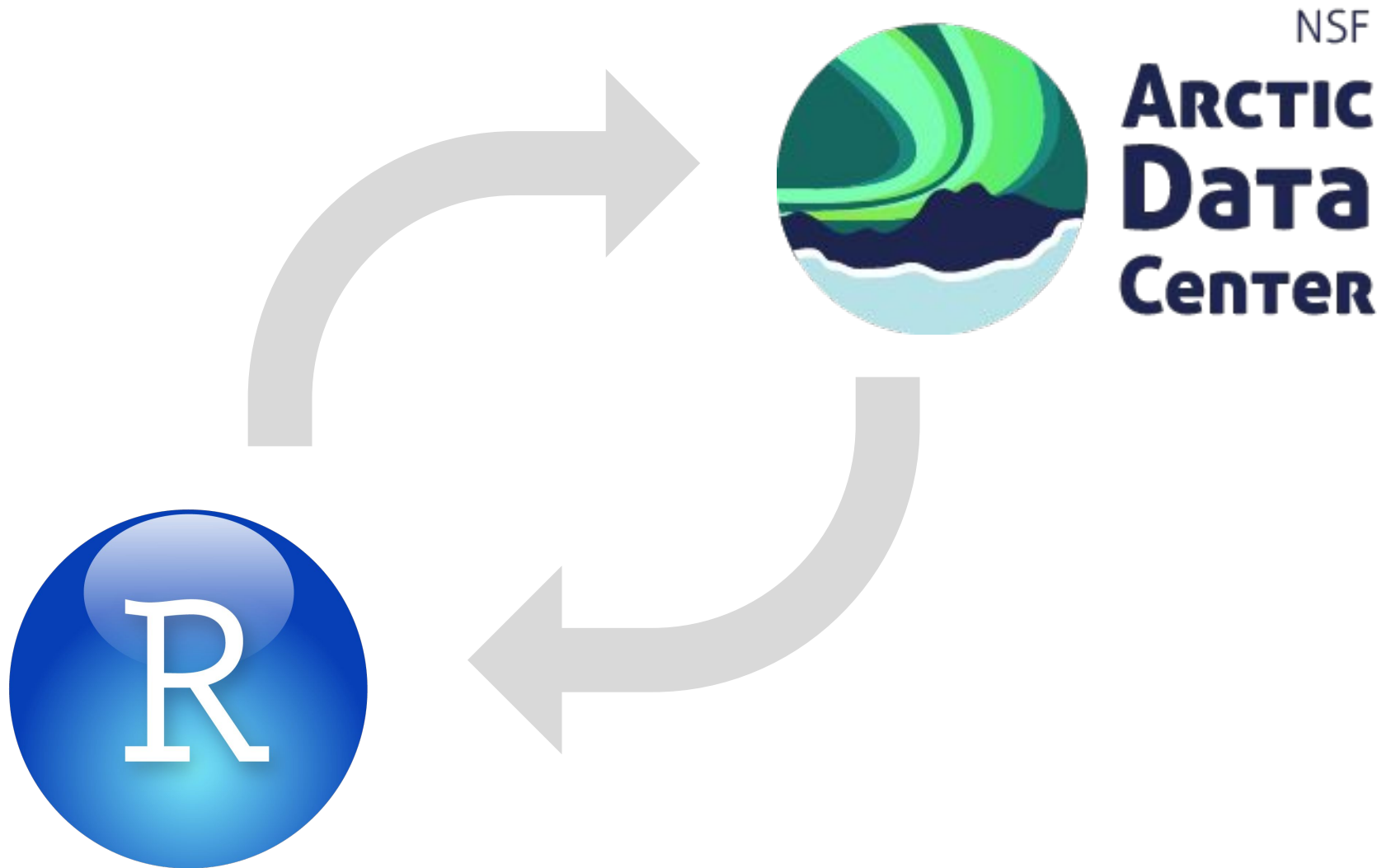
Abstract The Pacific sector of the Arctic Ocean is experiencing major reductions in seasonal sea ice extent and increases in sea surface temperatures. One of the key uncertainties in this region is how the marine ecosystem will respond to seasonal shifts in the timing of spring sea ice retreat and/or delay in fall sea ice formation. Variations in upper ocean water

Putting the  R

In A  RCTIC



## Interact with the web



# Interact with the web

The image shows a screenshot of the National Science Foundation (NSF) website. The header features the NSF logo on the left, the text "National Science Foundation WHERE DISCOVERIES BEGIN" in the center, and "Contact | Help" on the right. A search bar is located in the top right corner. Below the header is a navigation bar with the following items: "NSB", "Research Areas", "Funding", "Awards", "Document Library", "News", and "About NSF". The "Funding" menu is open, displaying a list of links on the left and two sections of links on the right. The left section includes: "About Funding", "Browse Funding Opportunities A-Z", "Due Dates", "Find Funding", "Merit Review", "Policies and Procedures", "Preparing Proposals", "Recent Opportunities", and "Transformative Research". The right section has two sub-sections: "RELATED LINKS" with links to "Proposal and Award Policies and Procedures Guide (PAPPG)", "Research.gov", and "FastLane"; and "FUNDING OPPORTUNITIES FOR" with links to "Graduate Students", "K-12 Educators", "Postdoctoral Fellows", "Undergraduate Students", and "Small Business". On the far left, there is a large image of a molecular structure with a blue arrow pointing left. On the far right, there is a large image with the text "DED RESEARCH", "ilding blocks", "w materials", and "LL STORY", with a blue arrow pointing right. At the bottom right, there is a button labeled "- HIDE".

NSF National Science Foundation  
WHERE DISCOVERIES BEGIN

Contact | Help

Search

NSB Research Areas Funding Awards Document Library News About NSF

About Funding  
Browse Funding Opportunities A-Z  
Due Dates  
Find Funding  
Merit Review  
Policies and Procedures  
Preparing Proposals  
Recent Opportunities  
Transformative Research

RELATED LINKS  
Proposal and Award Policies and Procedures Guide (PAPPG)  
Research.gov  
FastLane

FUNDING OPPORTUNITIES FOR  
Graduate Students  
K-12 Educators  
Postdoctoral Fellows  
Undergraduate Students  
Small Business

DED RESEARCH  
ilding blocks  
w materials  
LL STORY

- HIDE

# Translate to EML

```
eml_creator("Ada",  
            "Lovelace")
```

```
## <creator system="uuid">  
##   <individualName>  
##     <givenName>Ada</givenName>  
##     <surName>Lovelace</surName>  
##   </individualName>  
## </creator>
```



# Guide metadata creation

```
data(iris)
datamgmt::create_attributes_table(iris)
```

[Quit App](#)[Help](#)[Attributes Table](#)[Units Table](#)[Factors Table](#)[Print Attributes to Console](#)[Download Attributes](#)

attributeName	measurementScale	domain	unit	numberType	
Sepal.Length	▼	numericDomain ▼		real ▼	
Sepal.Width	▼	numericDomain ▼		real ▼	
Petal.Length	▼	numericDomain ▼		real ▼	
Petal.Width	▼	numericDomain ▼		real ▼	
Species	▼	▼		▼	



# Create training/reference docs

## Data Team Training

1 Welcome to NCEAS!

2 Introduction to open science

3 Create data packages in R

4 Update a data package

5 Explore EML

6 Editing EML in R

6.1 Edit an EML element

**6.1.1 Edit EML with strings**

6.1.2 Edit EML with EML

6.1.3 Edit EML with objects

6.2 Edit attributeLists



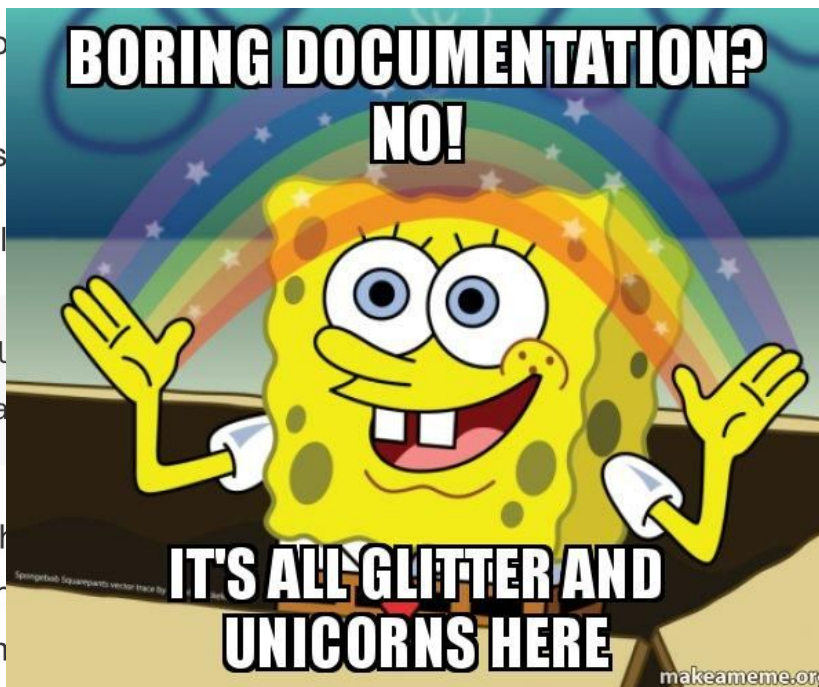
## 6.1.1 Edit EML with strings

The most basic way to edit an EML is to use a schema to create a character string.

For example,

```
new_title =  
  eml@data
```

However, the expert both lists of elements



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#rstats



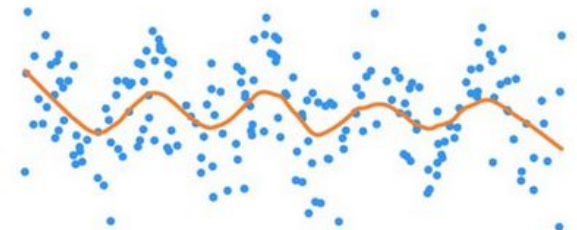
 Studio Community



>> **statistics**



Stack  
Overflow



Not So Standard  
Deviations







Troms Fylke

Irene Steves  
Data Science Fellow

 @i\_steves

 @isteves