NSF Arctic Data Center

https://arcticdata.io

@arcticdatactr

the Arctic Data Center, NSF Standards & Policies

Amber E Budden

0000-0003-2885-3980

NSF Award #1546024

NCEAS

DataONE

Arctic Data Center Training
August 13-17, 2018

the **Arctic Data Center,**

NSF Standards

& Policies


NSF

Troms Fylke

Rama

Detroit Publishing Co.

Features and Services

- **Data Archive**
- **Portal** for data discovery
- **Tools & Infrastructure**
  - *Data and metadata submission*
  - *Provenance features*
  - *Replication features*
  - *Metadata quality check*
- **Support Services**
- **Training & Outreach**
- **Data Rescue**






Features and Services

- **Data Archive**
- **Portal** for data discovery
- **Tools & Infrastructure**
  - *Data and metadata submission*
  - *Provenance features*
  - *Replication features*
  - *Metadata quality check*






Team


M. Jones


Baker-Yeboah


Budden


Casey


Dozier


Schildhauer


Walker


C. Jones


Mecum


Clark


Goldstein

Li


Mullen


Chong


Meyer

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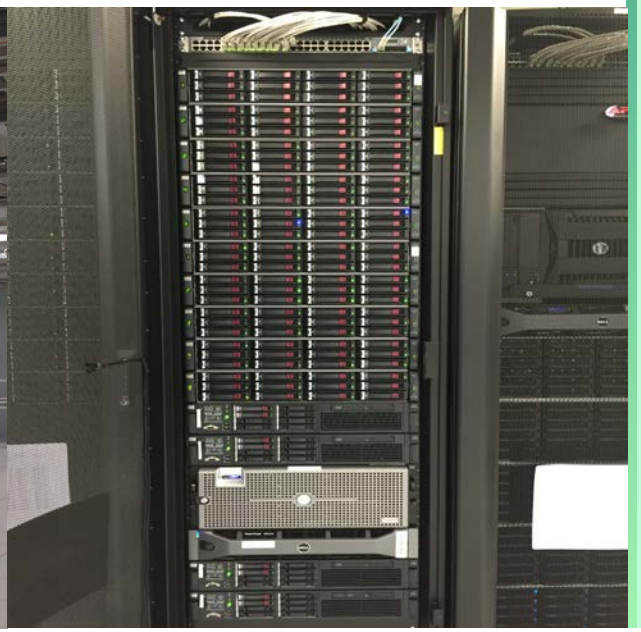
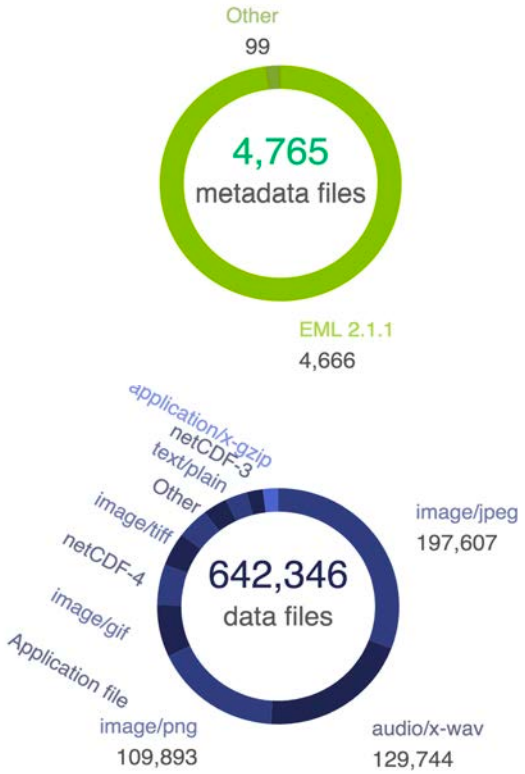
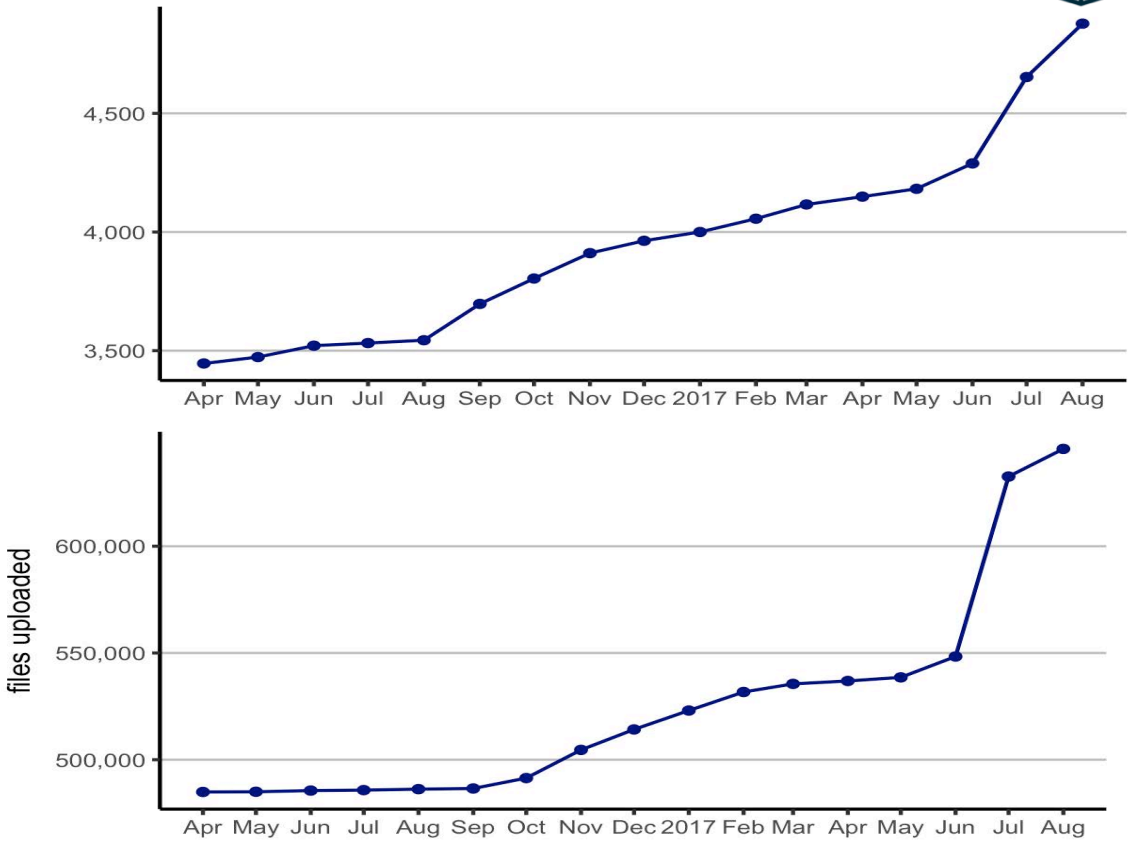
Data Archive



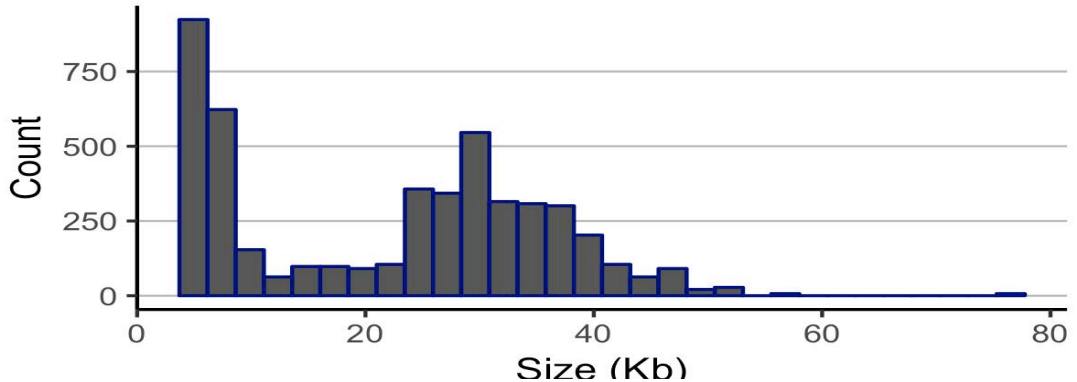
Data archive growth



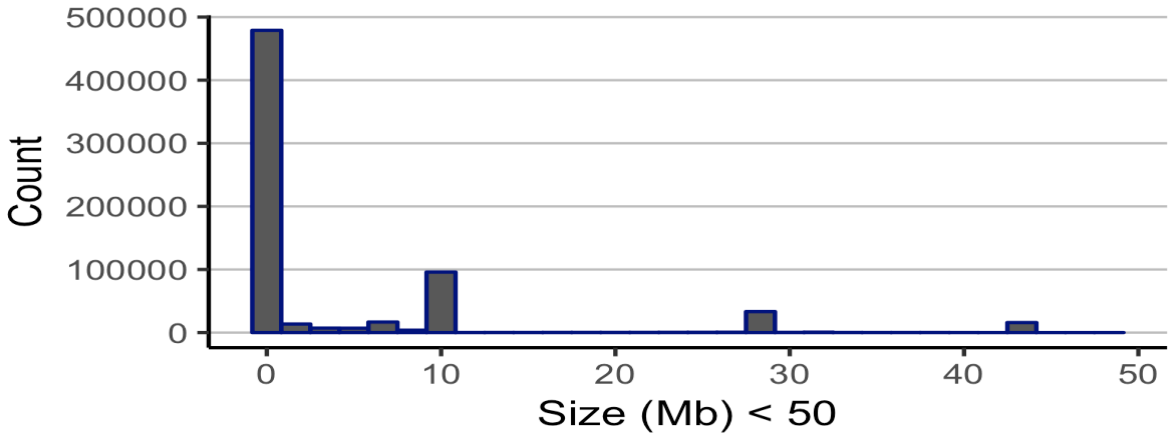


Size distribution

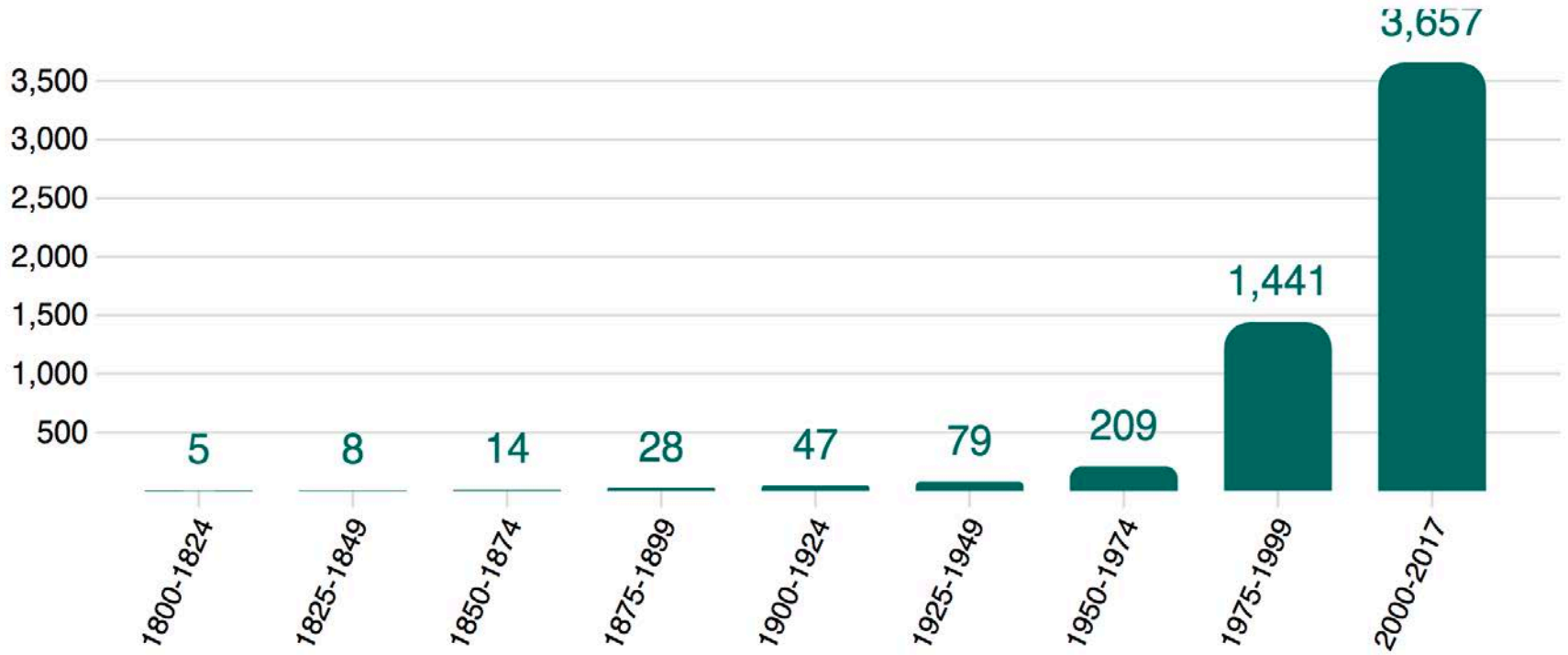
Metadata



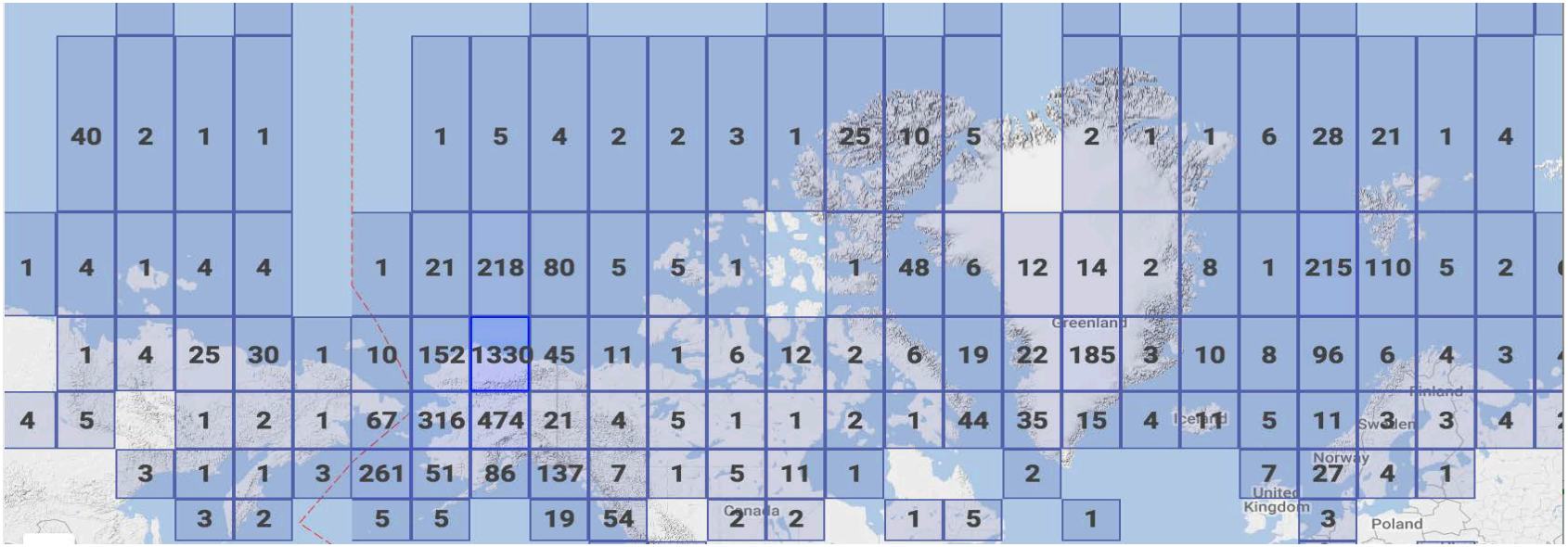
Data (< 50MB)



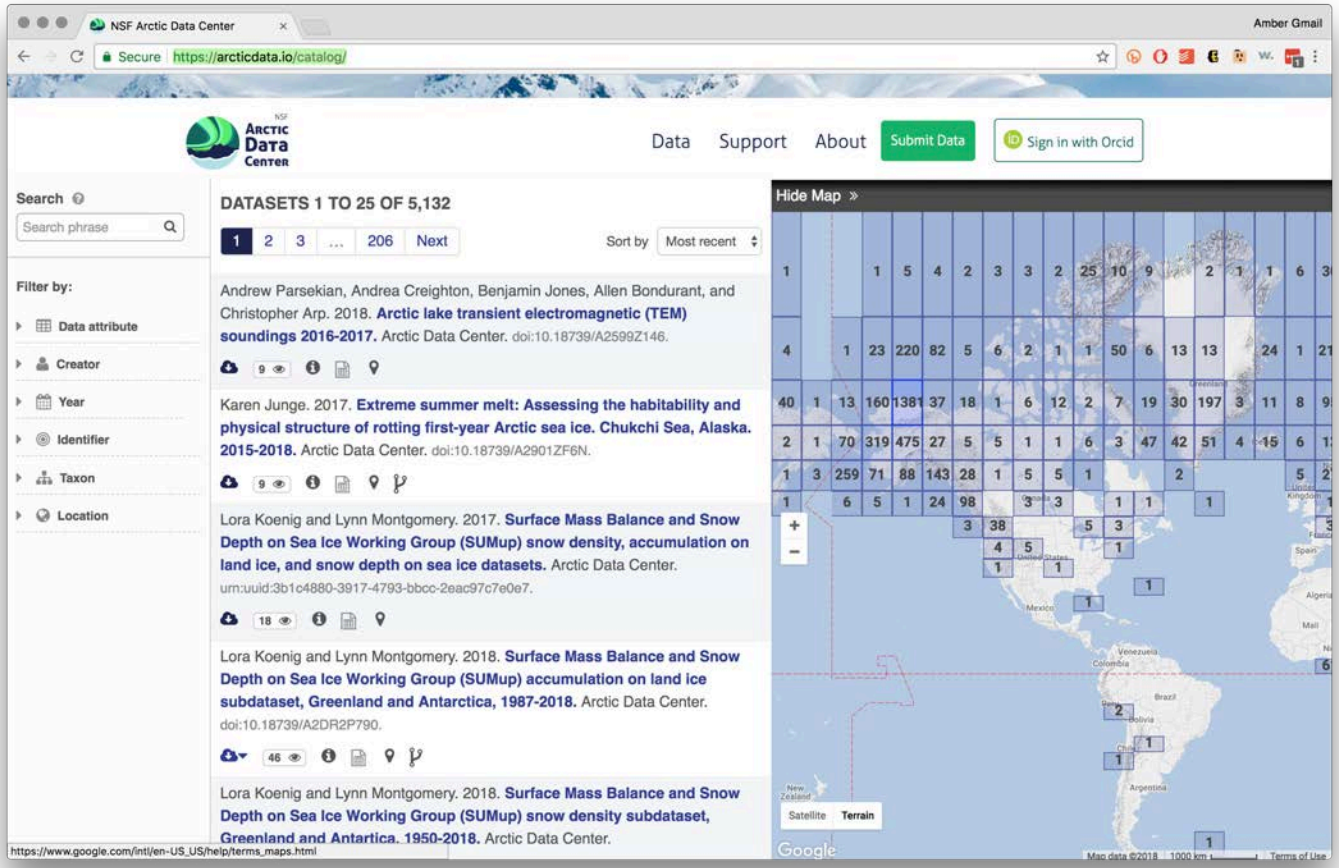
Data by time period



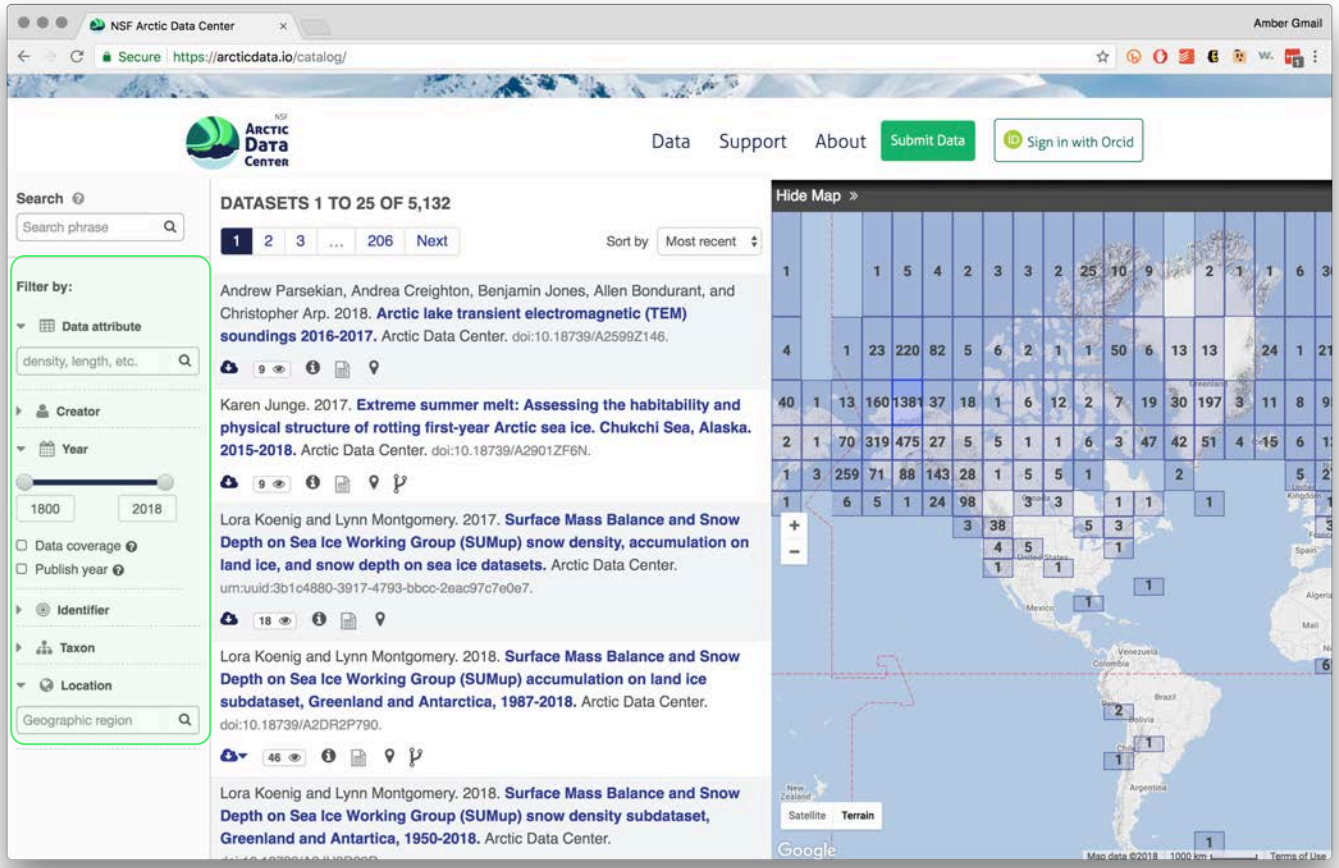
Pan-Arctic Data



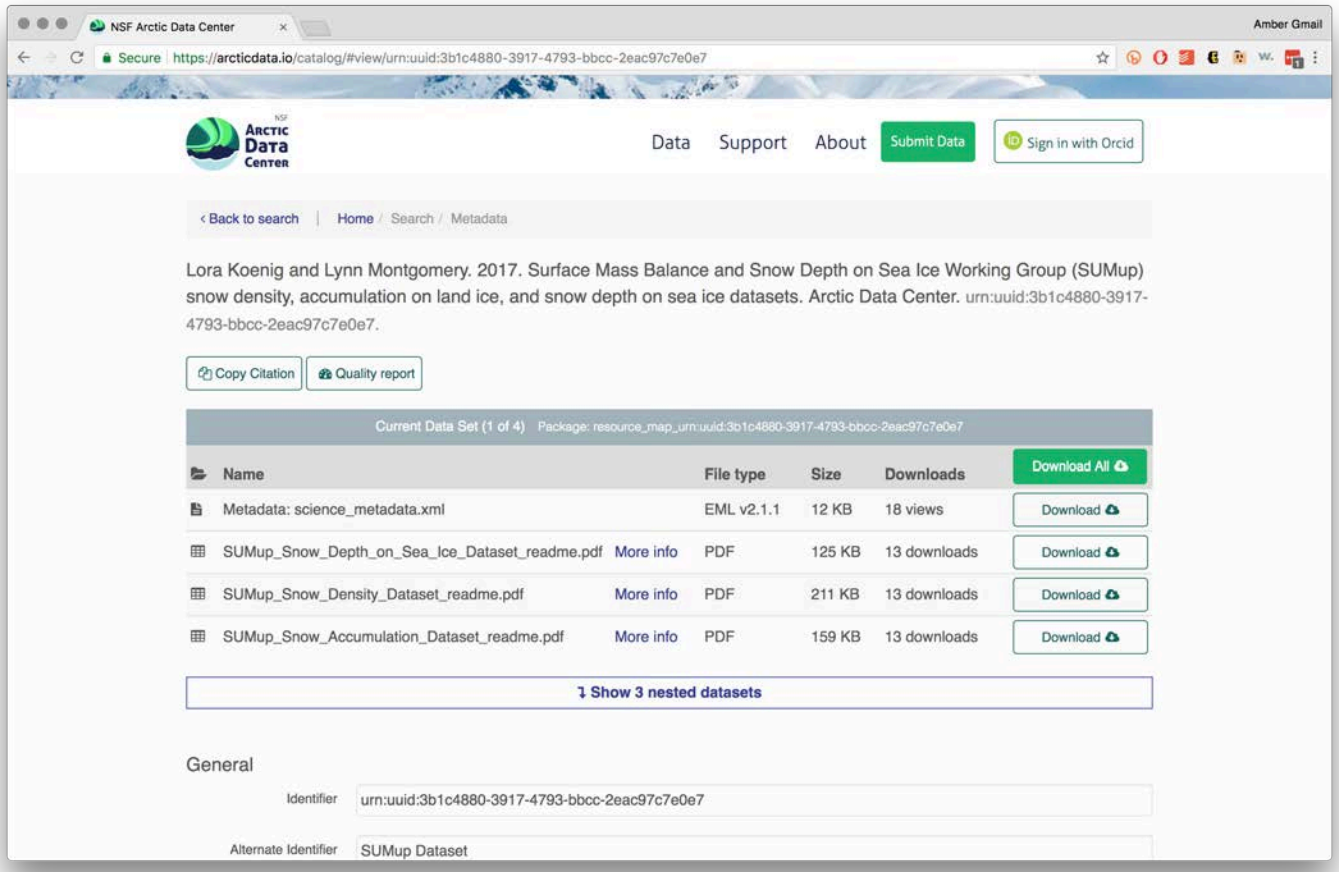
Data Discovery Portal



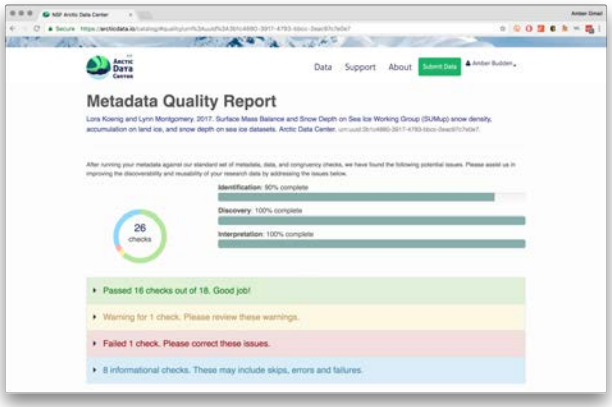
Data Discovery Portal

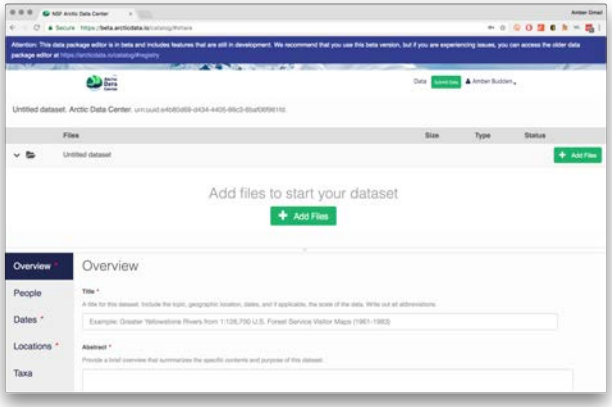


Data Discovery Portal



Tools and Infrastructure



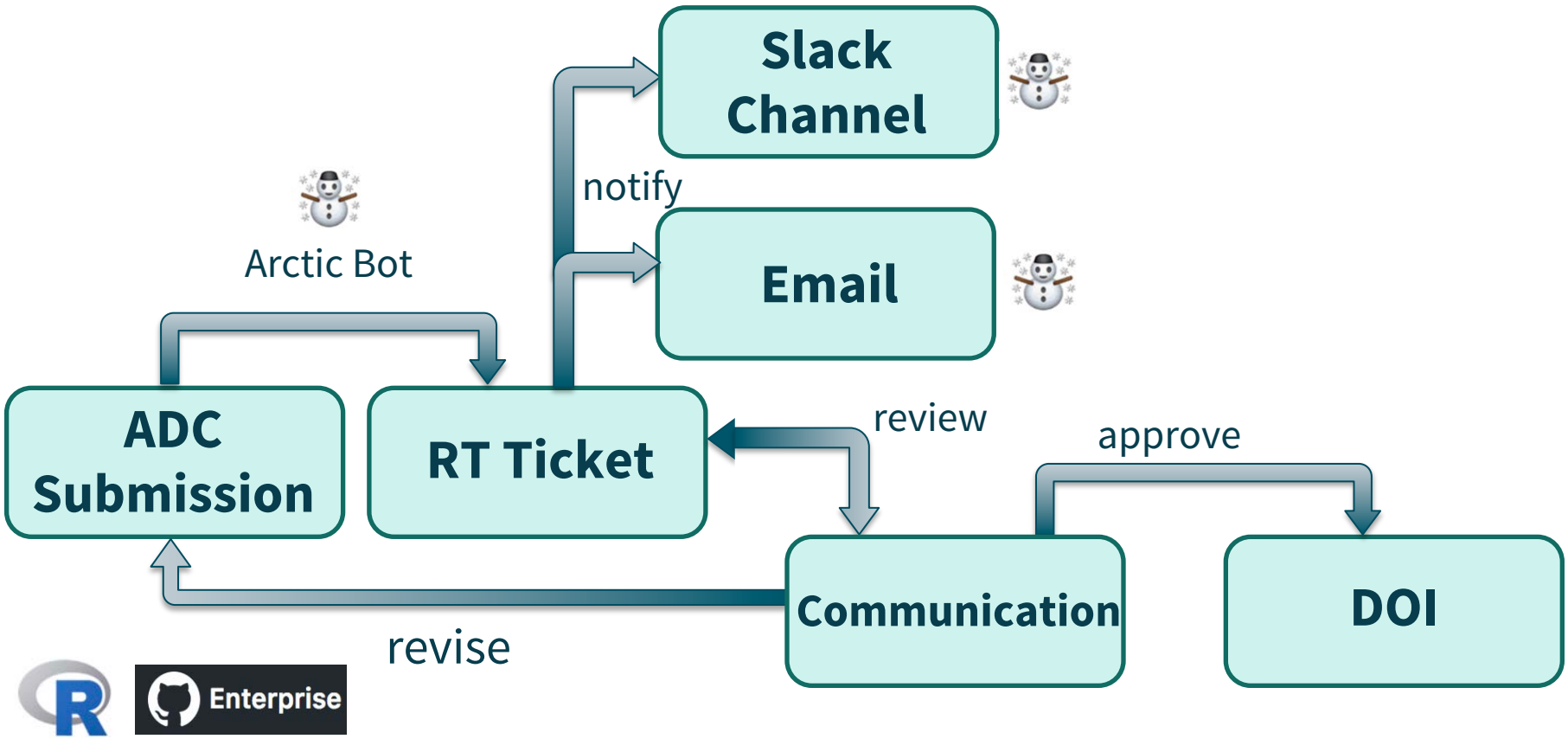


MAKE DATA COUNT

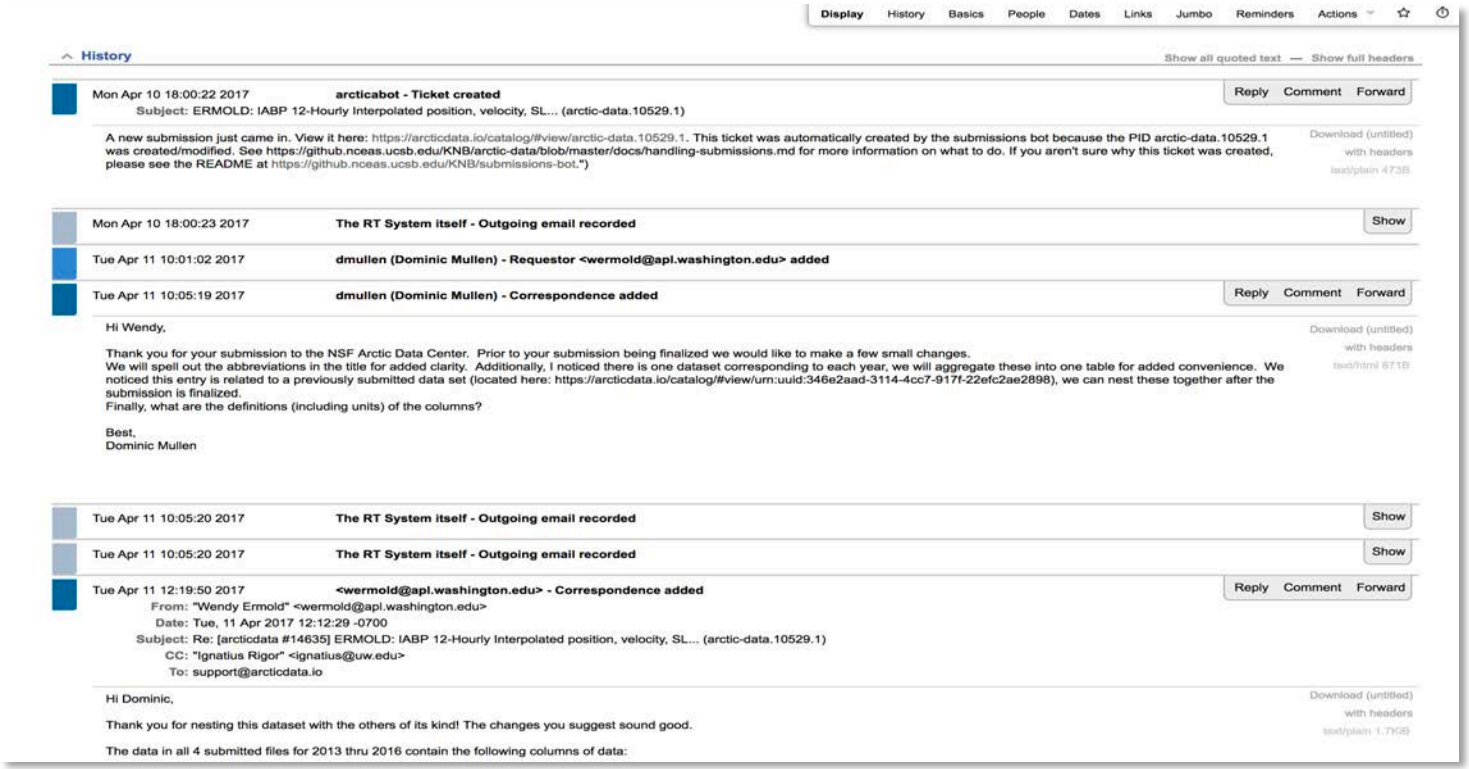
DataONE

Support Services

Support Systems



Request Tracker ticket system



Display History Basics People Dates Links Jumbo Reminders Actions

History

Show all quoted text — Show full headers

Mon Apr 10 18:00:22 2017 **arcticabot - Ticket created** Reply Comment Forward

Subject: ERMOLD: IABP 12-Hourly Interpolated position, velocity, SL... (arctic-data.10529.1)

A new submission just came in. View it here: https://arcticdata.io/catalog/#view/arctic-data.10529.1. This ticket was automatically created by the submissions bot because the PID arctic-data.10529.1 was created/modified. See https://github.nceas.ucsb.edu/KNB/arctic-data/blob/master/docs/handling-submissions.md for more information on what to do. If you aren't sure why this ticket was created, please see the README at https://github.nceas.ucsb.edu/KNB/submissions-bot.")

Download (untitled) with headers text/plain 473B

Mon Apr 10 18:00:23 2017 **The RT System itself - Outgoing email recorded** Show

Tue Apr 11 10:01:02 2017 **dmullen (Dominic Mullen) - Requestor <wermold@apl.washington.edu> added**

Tue Apr 11 10:05:19 2017 **dmullen (Dominic Mullen) - Correspondence added** Reply Comment Forward

Hi Wendy,

Thank you for your submission to the NSF Arctic Data Center. Prior to your submission being finalized we would like to make a few small changes.
We will spell out the abbreviations in the title for added clarity. Additionally, I noticed there is one dataset corresponding to each year, we will aggregate these into one table for added convenience. We noticed this entry is related to a previously submitted data set (located here: https://arcticdata.io/catalog/#view/urn:uuid:346e2aad-3114-4cc7-917f-22efc2ae2898), we can nest these together after the submission is finalized.
Finally, what are the definitions (including units) of the columns?

Best,
Dominic Mullen

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Tue Apr 11 10:05:20 2017 **The RT System itself - Outgoing email recorded** Show

Tue Apr 11 10:05:20 2017 **The RT System itself - Outgoing email recorded** Show

Tue Apr 11 12:19:50 2017 **<wermold@apl.washington.edu> - Correspondence added** Reply Comment Forward

From: "Wendy Ermold" <wermold@apl.washington.edu>
Date: Tue, 11 Apr 2017 12:12:29 -0700
Subject: Re: [arcticdata #14635] ERMOLD: IABP 12-Hourly Interpolated position, velocity, SL... (arctic-data.10529.1)
CC: "Ignatius Rigor" <ignatius@uw.edu>
To: support@arcticdata.io

Hi Dominic,

Thank you for nesting this dataset with the others of its kind! The changes you suggest sound good.

The data in all 4 submitted files for 2013 thru 2016 contain the following columns of data:

Download (untitled) with headers text/plain 1.7KiB

Slack #arcticbot

Arctic Bot APP 12:40 PM
Correspondence by mgrieman@uci.edu: " Thanks for getting back to me so quickly The age scale for the ice core has been updated so I just wanted the data to ..." on Ticket 14798
✅ 1
2 replies Last reply 3 days ago

Arctic Bot APP 1:00 PM
Correspondence by austincharron@ku.edu: " The abstract should read On Tue May 9 2017 at 2:19 PM Alex Gordee via RT support@arcticdata.io wrote Hi Austin Thank y..." on Ticket 14799
👍 1

Arctic Data Center Support Team

support@arcticdata.io


Clark


Goldstein


Mullen


Chong


Meyer


Steves


Maier


Ochs


Train


Nguyen


Sun


Reevesman

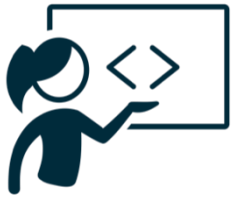

Chen

Data Science Fellows

Student Interns

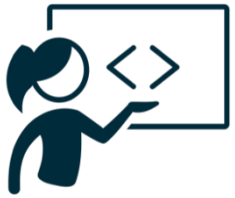
Training and Outreach

Training and Outreach



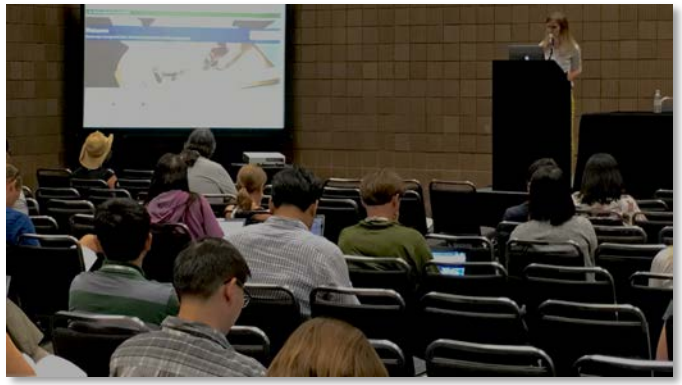
- Training
  - Summer Training
  - Workshops
  - Internship Program
  - Data Fellows Program
  - Webinars

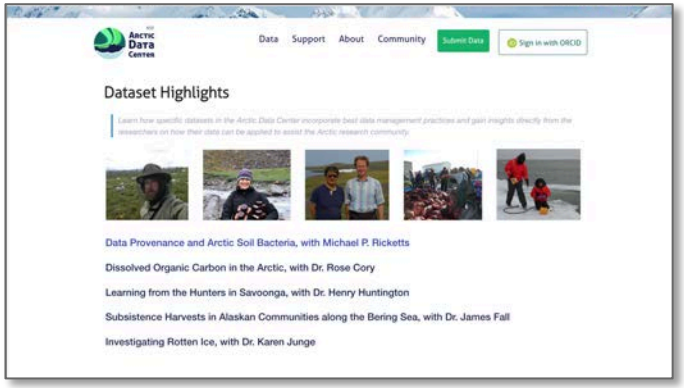
Training and Outreach

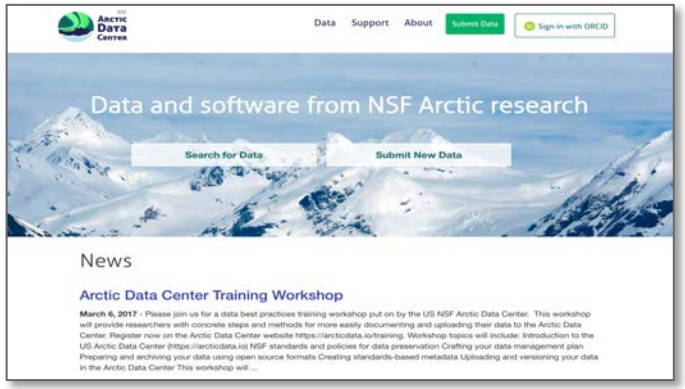


- Outreach
  - In-person events
  - News items and other communications
  - Social media
  - Arctic Data Center website
  - Marketing

Training and Outreach



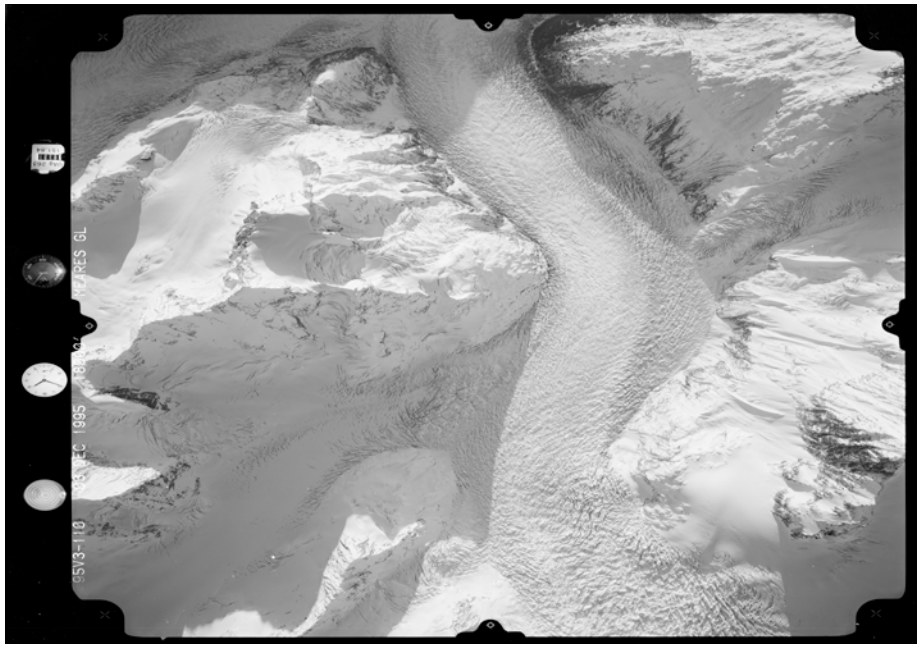




Data Rescue

Data Recovery: Aerial Glacier Photos

- Austin Post's collection
- 1964 – 1997
- 2 - 6 rolls per year
- 100,000+ files = 4.9 TB
  - Glacier photos: TIFs, JPGs, TNs
  - Reconstructed flight paths, images of notes, image metadata, camera specs



Meares Glacier, Prince William Sound, AK
61.187448, -147.457573, taken from 18,000'
December 3, 1995, Roll 3, Frame 110
doi:10.18739/A2FF6Z (NAGAP_95V3_110.jpg)

the Arctic Data Center,

NSF Standards & Policies

Who Must Submit

https://arcticdata.io/submit/#who-must-submit

Arctic Research Opportunities (ARC):

- Complete metadata and all appropriate data and derived products
- Within 2 years of collection or before end of award, whichever comes first

ARC Arctic Observing Network:

- Complete metadata and all data
- Real-time data made public immediately
- Within 6 months of collection

Who Must Submit: Social Sciences

https://arcticdata.io/submit/#who-must-submit

Arctic Social Sciences Program (ASSP):

- NSF policies include special exceptions for ASSP and other awards that contain sensitive data
- Human subjects, governed by an Institutional Review Board, ethically or legally sensitive, at risk of decontextualization
- Metadata record that documents non-sensitive aspects of the project and data
    - *Title, Contact information, Abstract, Methods*

Terms of Use: Licensing and Distribution

https://arcticdata.io/submit/#license-and-data-distribution

All metadata and (non-sensitive) data will be released under either:

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Data Citation

- We assign a DOI to each published data set
- Researchers should cite data they use

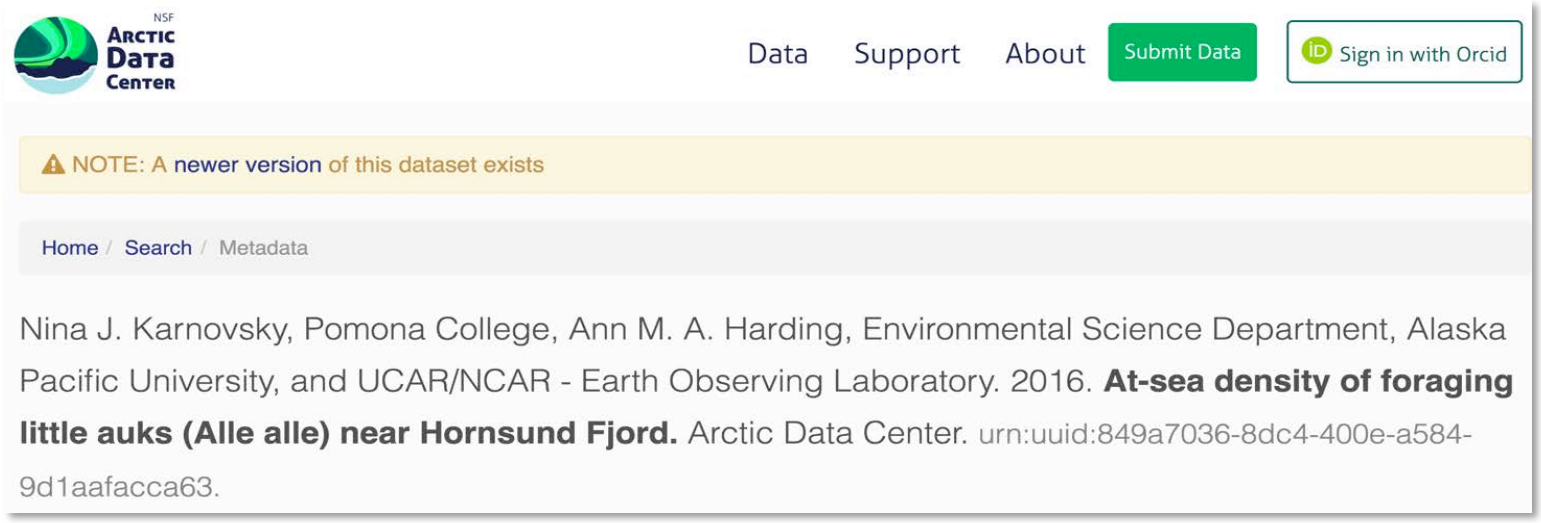
Nina J. Karnovsky and Ann M. A. Harding. 2016. At-sea density of foraging little auks (Alle alle) near Hornsund Fjord. Arctic Data Center. doi:10.5065/D6MK6B17.

- We are working as part of Make Data Count to track the citations to data

MAKE DATA COUNT

Data Citation

- Each update has a unique identifier
- Cite the exact version used
- Newer versions are clearly indicated



the Arctic Data Center, NSF Standards & Policies

Summary

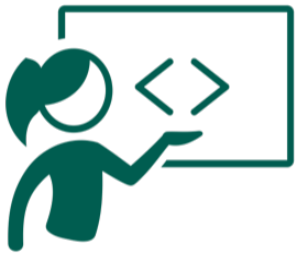
Arctic Data Center Features and Services

Data Archive

Data Discovery Portal

Tools and Infrastructure

Support Services

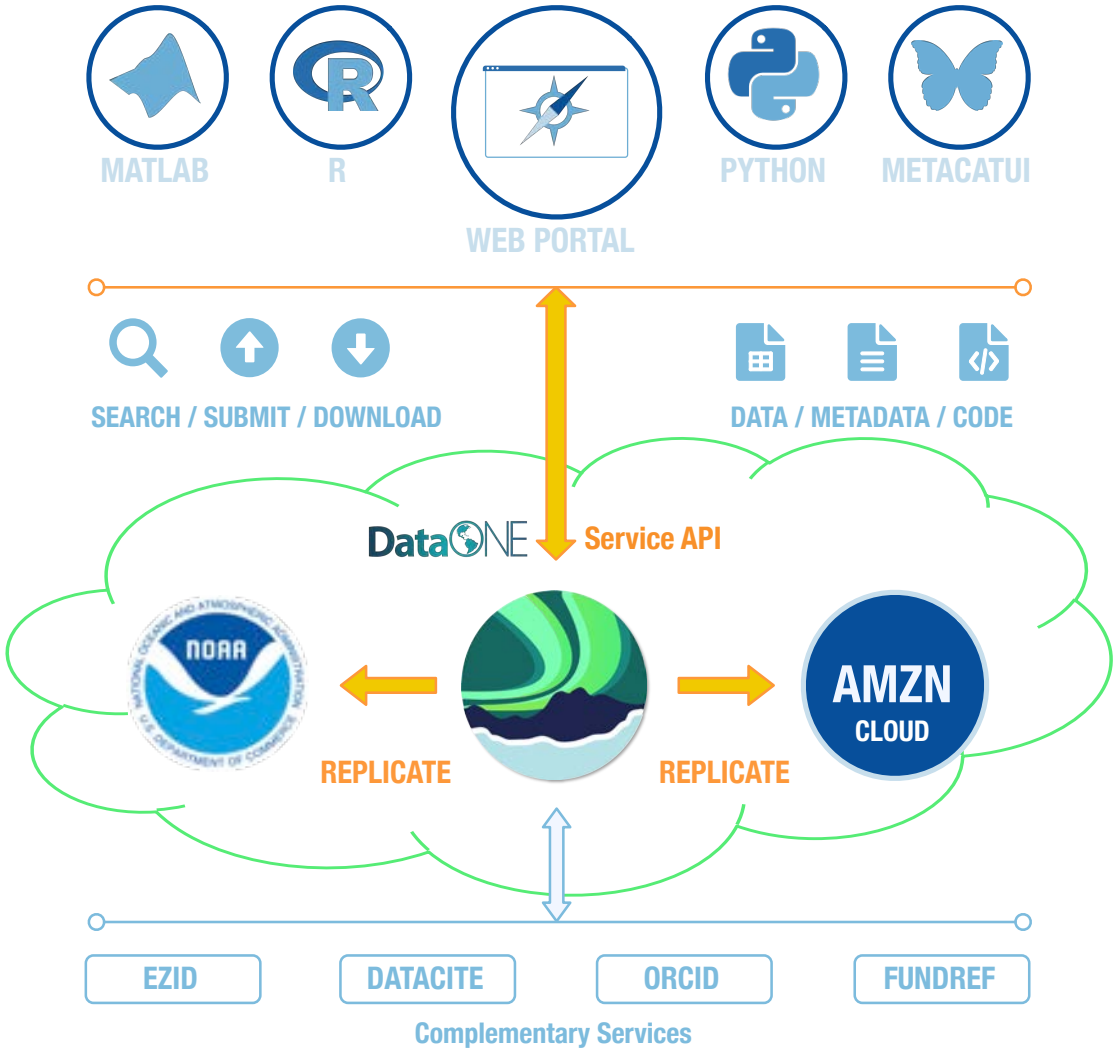


Training and Outreach

Data Rescue

Operation Metrics

- Projects: GRISO, DBO, ARMAP
- Repositories: LTER, BCO-DMO, R2R, Antarctic Data Center (IDEA)
- Networks: A2DC, Arctic Data Explorer
- Committees: Arctic Data Committee, IARPC Data Sub-team



https://arcticdata.io