Make Data Count: A Brief History
Making Data Count survey responses

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Publication date: March 25, 2015

Comment | OPEN

Making data count

John E. Kratz & Carly Strasser
Majorities of both researchers and data managers ranked landing page views as the least interesting metric. Researchers consistently ranked downloads as the second most interesting, while data managers (who were given a longer list to rank) put them in the middle. Resoundingly, both researchers and data managers measure scholarly prestige in citations; 85% of researchers and 61% of data managers ranked citations as the most interesting metric. This ordering—viewing, downloading, citing—is consistent with the results our previous researcher survey\textsuperscript{4}. It
2017

www.makedatacount.org
Develop New Data Level Metrics Hub

Leverage Existing Initiatives

Repository Usage Metrics

Server Log Processing

Future Metrics

Drive Adoption - Engage Communities

Data Citations

Develop New Recommendation

Display Data Metrics

COUNTER
CONSISTENT CREDIBLE COMPARABLE
Develop New Data Level Metrics Hub

Leverage Existing Initiatives

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Develop New Data Level Metrics Hub

Display Data Metrics

Standardizing

Drive Adoption - Engage Communities

Future Metrics
COUNTER Code of Practice for Research Data

...provides the standard that enables the knowledge community to count the use of electronic resources

www.projectcounter.org/code-of-practice-rd-sections/
Key Definitions

**Dataset:** An aggregation of data, published or curated by a single agent, available for access or download in one or more formats

**Component:** Part of the data available for a dataset, and can be accessed or downloaded individually

**Collection:** A curated aggregation of datasets

**Version:** Significant changes to the content and/or metadata associated with changes in one or more components
COUNTER Sessions

**Session**: a successful request of an online service. A single user connects to the service or database and ends by terminating activity.

**Total_Dataset_Investigations**: Total number of times a dataset or information related to a dataset was accessed

**Unique_Dataset_Investigations**: Number of datasets investigated in unique user-sessions
Develop New Data Level Metrics Hub

Leverage Existing Initiatives

Data Citations

Develop New Recommendation

Repository Usage Metrics

Future Metrics

Server Log Processing

Contribute

Event Data

Display Data Metrics

Drive Adoption - Engage Communities

Data Citations

Counter (Consistent Credible Comparable)
Citations and/or usage for:
- A dataset?
- Researcher's datasets?
- A data center?
- Resulting from funding?

MAKE DATA COUNT + Event Data

Funder Registry
Leverage Existing Initiatives

Develop New Recommendation

Data Citations

Repository Usage Metrics

Server Log Processing

Develop New Data Level Metrics Hub

Displaying

Drive Adoption - Engage Communities

Display Data Metrics
Usage statistics launched!

by Alex Ioannidis on July 18, 2018

Standards compliant
COUNTER
Making Data Count
Implement Backend Support for Make Data Count use and citation metrics #4821

The Dataverse Project

Introduction

All installations of Dataverse that use DOIs as persistent identifiers are encouraged to send data usage metrics to the “open hub” operated by DataCite for Make Data Count.
Data from: Metagenomic sequencing detects respiratory pathogens in hematopoietic cellular transplant patients

Langelier, Charles
Zinter, Matt S.
Kalantar, Katrina K.
Yanik, Gregory A.
Christenson, Stephanie
O'Donovan, Brian
White, Corin C.
Sapru, Anil
Dvorak, Christopher C.
Miller, Steve
Chiu, Charles Y.
DeRisi, Joseph L.

Publication date: July 10, 2017
Publisher: Dryad
https://doi.org/10.5061/dryad.800tj

Metrics

240 views
139 downloads
1 citations

Keywords
next generation sequencing
pneumonia
lower respiratory tract infection
Datasets 1 to 25 of 27

1 2 Next


Matthew Sturm. 2009. **Albedo Line Snow Depths.** Arctic Data Center. doi:10.18739/A2VV9Z.

Hajo Eicken. 2017. **Sea ice permeability measurements from the Shelf Basin Interactions Project.** Arctic Data Center. doi:10.18739/A2WV8W.

For all versions of this data set, the number of times that all or part of this data set was downloaded over time.

These download counts are COUNTER compliant, meaning that downloads from some Internet robots and repeat downloads within a certain time window are excluded.

Drag the slider to visualize a specific time window for the download events.
For all versions of this data set, the number of times that all or part of this data set was viewed over time.

These view counts are COUNTER compliant, meaning that views from some Internet robots and repeat views within a certain time window are excluded.

Drag the slider to visualize a specific time window for the view events.
A wind-driven, hybrid latent and sensible heat coastal polynya off Barrow, Alaska

Daisuke Hirano, Yasushi Fukamachi, Eiji Watanabe, Kay I. Ohshima, Katsushi Iwamoto, Andrew R. Mahoney, Hajo Eicken, Daisuke Simizu, Takeshi Tamura


Abstract

The nature of the Barrow Coastal Polynya (BCP), which forms episodically off the Alaska coast in winter, is examined using mooring data, atmospheric reanalysis data, and satellite-derived sea-ice concentration and production data. We focus on oceanographic conditions such as water mass distribution and ocean current structure beneath the BCP. Two moorings were deployed off Barrow, Alaska in the northeastern Chukchi Sea from August 2009 to July 2010. For sea-ice season from December to May, a characteristic sequence of five events associated with the BCP has been identified: (1) dominant northeasterly wind parallel to the Barrow Canyon, with an offshore component off Barrow, (2) high sea-ice production, (3) upwelling of warm and saline Atlantic Water beneath the BCP, (4) strong up-canyon shear flow associated with displaced density surfaces due to the upwelling, and (5) sudden suppression of ice growth. A baroclinic current structure, established after the upwelling, caused enhanced vertical shear and

Keywords

hybrid coastal polynya  
sea ice production  
upwelling  
ocean heat flux  
Arctic Ocean

Funding Information

- Grants-in-Aids for Scientific Research.  
  Grant Number: 2021001, 23654163.
Aggregations: Repositories
8 Citations


Megan O'Shojik, Malcolm Isbister, Heidi Eicken, and Eric Rott. 2016. In situ field measurements of the temporal evolution of...
Arctic Data Center

The US National Science Foundation Arctic Data Center operates as the primary repository supporting the NSF Arctic community for data preservation and access.

2 years, 4 months  DataONE  Member since 2016

484.9K Views

For all versions of this data set, the number of times that all or part of this data set was viewed over time. These view counts are COUNTER compliant, meaning that views from some Internet robots and repeat views within a certain time window are excluded.

Drag the slider to visualize a specific time window for the view events.
16.5M Downloads

For all versions of this data set, the number of times that all or part of this data set was downloaded over time. These download counts are COUNTER compliant, meaning that downloads from some Internet robots and repeat downloads within a certain time window are excluded.

Drag the slider to visualize a specific time window for the download events.
Aggregations: Researchers
36.5K Downloads

For all versions of this data set, the number of times that all or part of this data set was downloaded over time. These download counts are COUNTER compliant, meaning that downloads from some Internet robots and repeat downloads within a certain time window are excluded.

Drag the slider to visualize a specific time window for the download events.
Aggregations from DataONE

- Repositories
- Researchers
- Projects
- Groups and Labs
- Grants
- Funders
- ...

(CDL DataCite DataONE logos)
Challenges for Biodiversity

- Billions of records, trillions of events
- Identifier schemes with decentralized authority
- Publication practices to include identifiers
- Researcher identification
Make Data Count!

🌟 **Process** logs against the CoP for comparable views and downloads

🌟 **Submit** standardized logs to EventData for aggregation and transparency

🌟 **Display** comparable views, downloads, and citations on your user interface

🌟 **Encourage** publishers to share data set identifiers

🌟 **ALWAYS** reuse existing identifiers