

“Polar Data Journal”: A new data publishing platform for polar science


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³ National Institute of Informatics

A new data journal has been launched on 19 January, 2017
by the National Institute of Polar Research (NIPR)
<https://pdr.repo.nii.ac.jp/>



Polar Data Journal



Call For Paper

We are pleased to announce that the new data journal "Polar Data Journal" is now open for submissions. Polar Data Journal is a free-access, peer-reviewed and online journal. It is dedicated for publishing original research data/dataset, furthering the reuse of high-quality data and the benefit to polar sciences.

"Polar Data Journal" aims to cover broad range of research disciplines involving Arctic, Antarctic, or other polar regions, especially earth and life sciences. The Journal primarily publishes data papers, provides detailed descriptions of research data/dataset (e.g. Methods, Data Records, Technical validation). The Journal does not require any new scientific findings, so the Journal also welcomes submissions describing past valuable data/dataset which has not published yet.

[Editorial Board](#) welcomes your submission. Manuscript can be submitted by email in advance. If you want to submit manuscripts by email, please read [submission guidelines](#) and [contact our editorial office](#).

Online submission system will be prepared since end of March 2017.

Sincerely yours,

Editor in Chief (Akira Kadokura, NIPR)
Executive Editor (Masaki Kanao, NIPR)

Submit Your Paper

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Announcements

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Top Ranking

[repo.nii.ac.jp/](#)

Research

Facility/Collaboration

Graduate Education

Database

Publication/Library

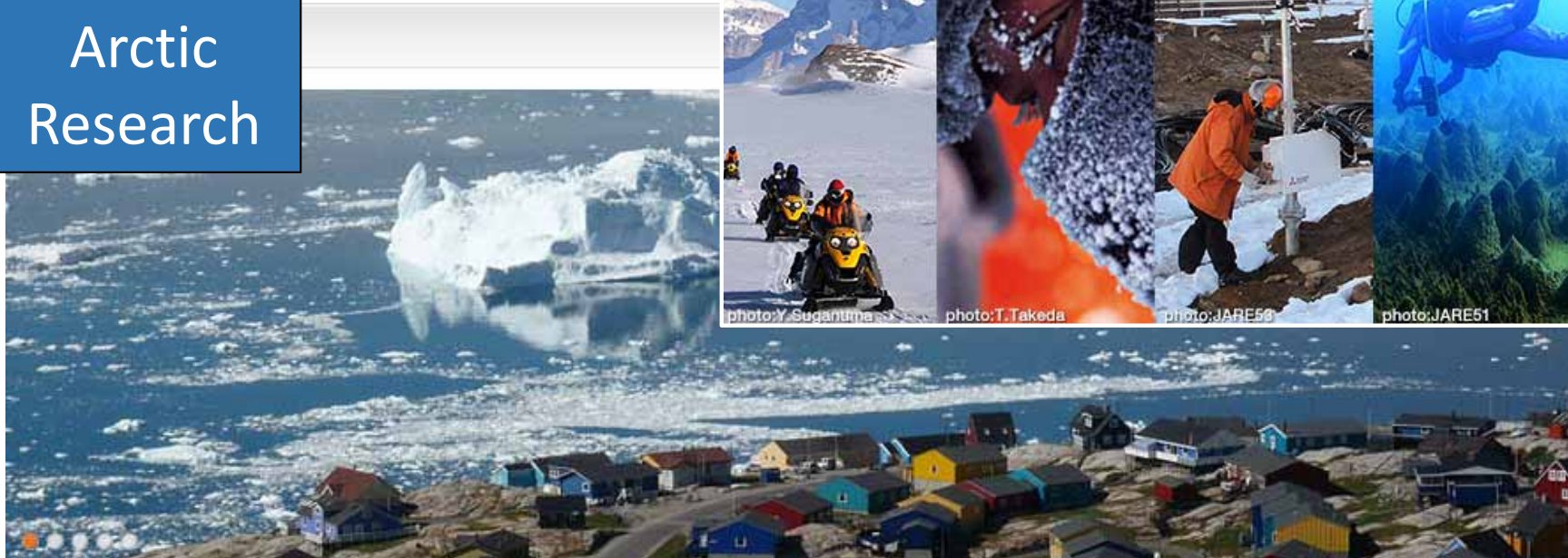
Antarctic Observation



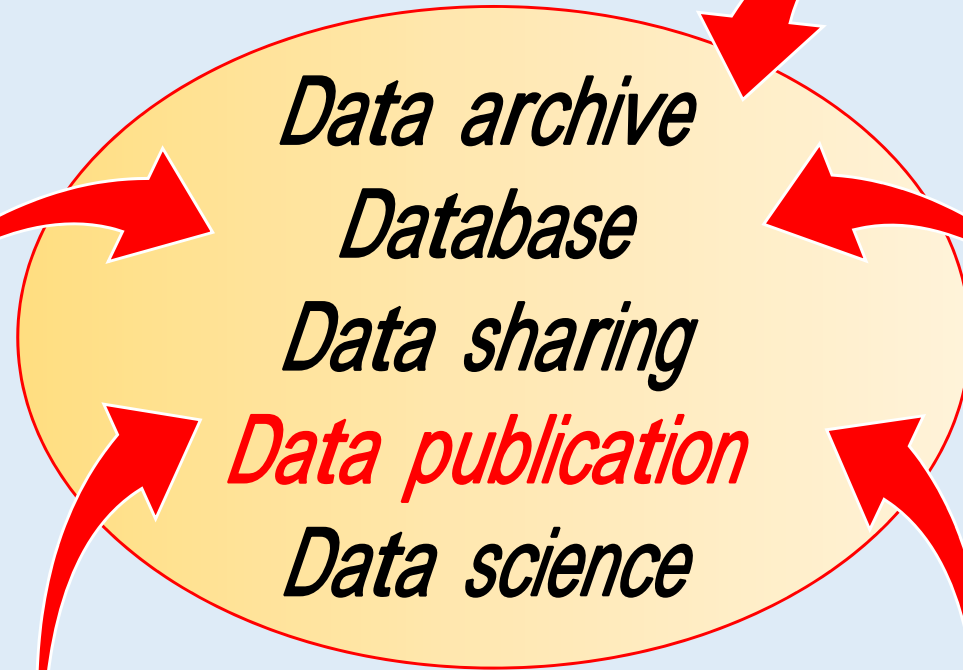
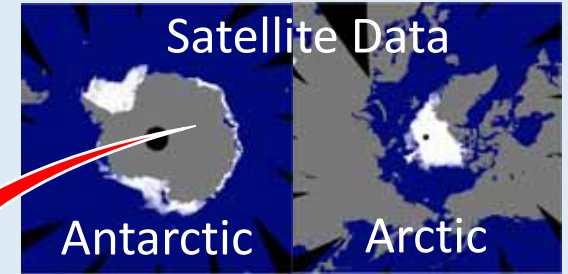
Research activity




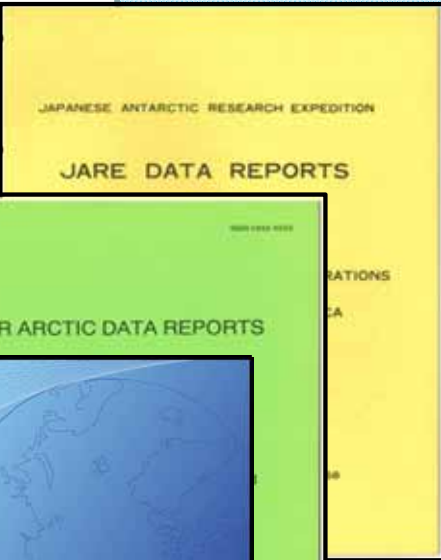



Arctic Research



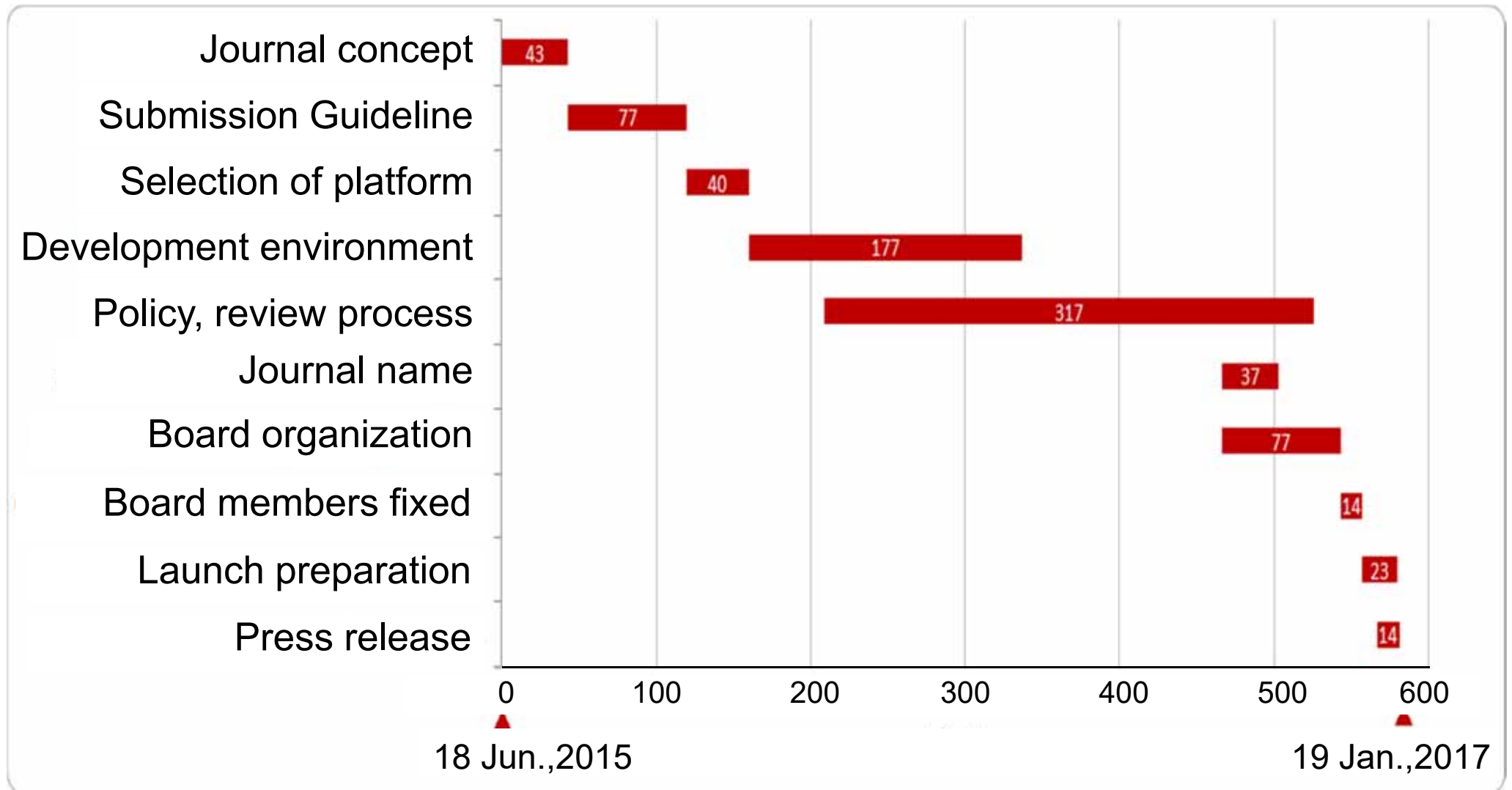
Data obtained by activities in polar region



History of Data Publication in NIPR

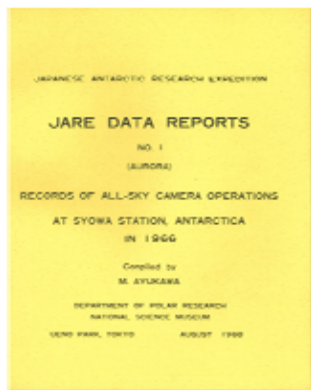
1957 Jan	Syowa Station established	
1957 Dec	Antarctic Record launched	
1968 Aug	JARE Data Reports launched	
1991 Jan	Ny-Ålesund Research Station established	
1996 Dec	NIPR Arctic Data Reports launched	
2007 Aug	NIPR Science Database launched	
2012 Aug	Arctic Data archive System launched	
2014 Oct	Joined in The Experimental Project (Research Data)	
2014 Oct	National Institute of Polar Research	
2015 Jul	Data Reports Future Concept WG k	
2017 Jan	Polar Data Journal launched	

Gantt Chart of the Polar Data Journal Preparation

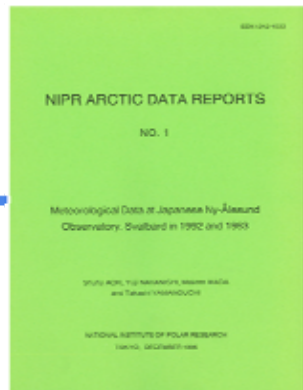


Polar Data Journal: free-access online journal

JARE Data Reports



Arctic Data Reports



<https://pdr.repo.nii.ac.jp/>



Metadata

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<?xml version="1.0"?>
<question>
  Who was the forty-second
  president of the U.S.A.?
</question>
<answer>
  William Jefferson Clinton
</answer>
<!-- Note: We need to add
more questions later.-->
</quiz>
```

Paper



Internet



Data Repository



<https://community.repo.nii.ac.jp/>

<https://ads.nipr.ac.jp/>

Polar Data Journal : Editorial Board

#	Name	Affiliation
1	Taco DeBruin	NIOZ Royal Netherlands Institute for Sea Research
2	Shannon Vossepoel	University of Calgary
3	Yasuhiro Murayama	National Institute of Information and Communications Technology
4	Shinya Nakano	The Institute of Statistical Mathematics
5	Asanobu Kitamoto	National Institute of Informatics
6	Akira Kadokura	National Institute of Polar Research
7	Masaki Kanao	National Institute of Polar Research
8	Tsuneo Odate	National Institute of Polar Research
9	Hironori Yabuki	National Institute of Polar Research
10	Gen Hashida	National Institute of Polar Research
11	Masayuki Kikuchi	National Institute of Polar Research
12	Akira Yamaguchi	National Institute of Polar Research

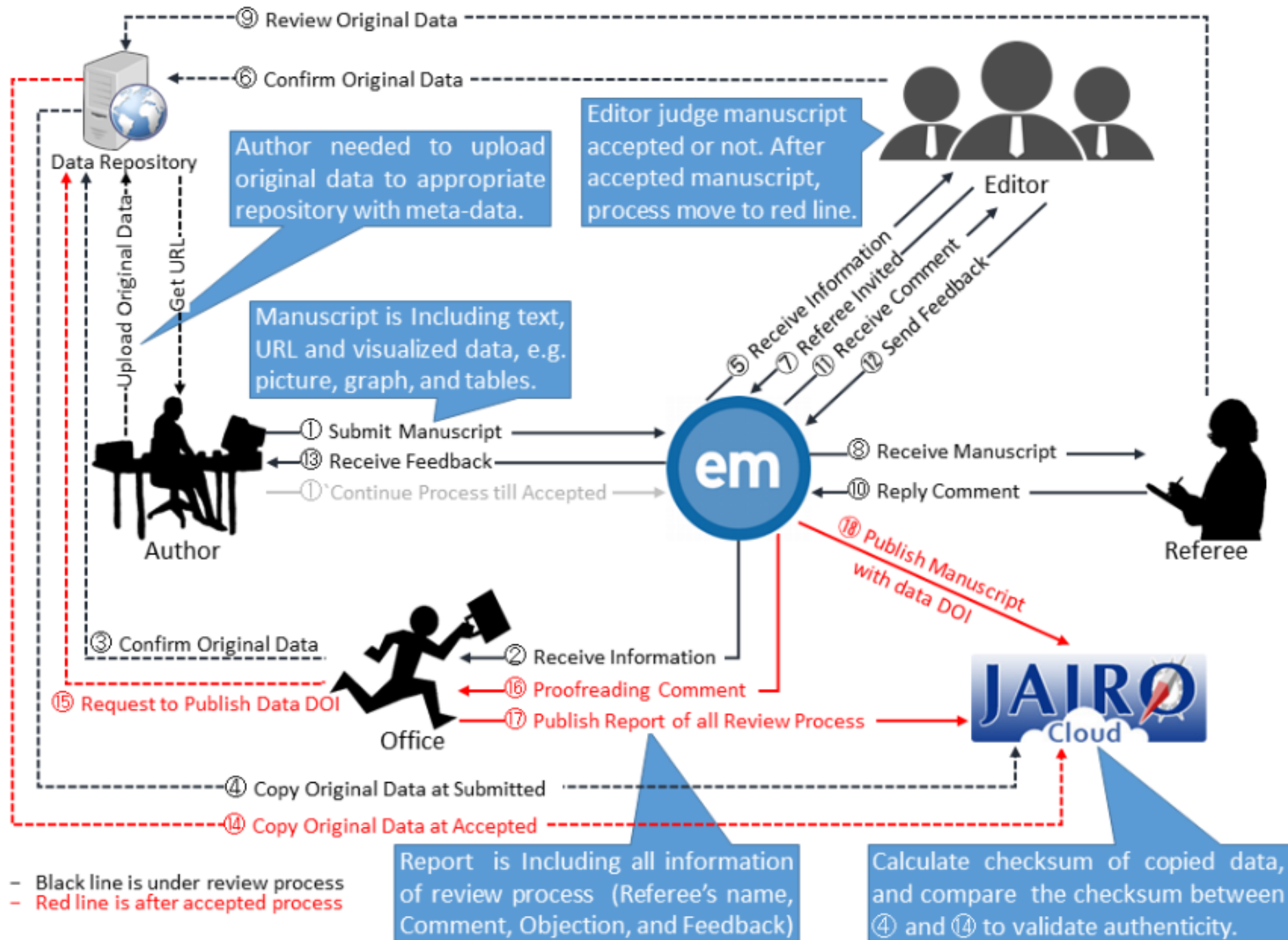
Polar Data Journal : Advisory Board

#	Name	Affiliation
1	Robert Arko	Columbia University
2	Phillippa Bricher	Southern Ocean Observing System
3	Julie Friddell	University of Waterloo
4	Øystein Godøy	Norwegian Meteorological Institute
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6	Peter Pulsifer	University of Colorado
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8	Mustapha Mokrane	World Data System-International Programme Office
9	Hideaki Takeda	National Institute of Informatics
10	Seiji Tsuboi	Japan Agency for Marine-Earth Science and Technology

Polar Data Journal : Aims and Scope

- Free-access, peer-reviewed and online journal.
- Dedicated for publishing original research data/dataset, furthering the reuse of high-quality data and the benefit to polar sciences.
- Aims to cover broad range of research disciplines involving Arctic, Antarctic, or other polar regions, especially earth and life sciences.
- Primarily publishes data papers, that provides detailed descriptions of research data/dataset (e.g. Methods, Data Records, Technical validation).
- Does not require any new scientific findings.
- Welcomes submissions describing past valuable data/dataset which has not been published yet.
- Requires to be passed our peer-review process.
- Before submitting manuscript, authors should deposit their data/dataset to [trustworthy data repository](#).
- Data authenticity is guaranteed by publishing report of all review process, which will be published with author's manuscript at the same time.

Polar Data Journal : Review Process



Polar Data Journal : Appropriate Repositories

To promote the creation of reusable, high-quality data/dataset, the following criteria are required for the data repository:

A persistent identifier:

The data/dataset must have a persistent identifier (such as a digital object identifier, DOI).

Free access:

The data/dataset must be available free of charge and without any barriers except for a standard registration to get a login free of charge.

Liberal copyright:


Anyone must be free to copy, distribute, transmit, and adapt the datasets as long as they give credit to the original authors.

Polar Data Journal : Submission Guidelines


Item	Explanation
Title	256 characters maximum, including spaces
Authors	First name Last name1, First name Last name2
Affiliations	1. Institution, 2. Institution, Corresponding author(s): Given name FAMILY name (e-mail@address)
Abstract	Contain a concise summary and note the acquired and prepared datasets as well as possibilities for reusing those datasets.
Background and Summary	Explain the research background that served as the basis for the prepared data and explain the composition of that research with citations, where necessary. In addition, discuss the motivation and purpose for preparing the data as well as the data's value.
Location (or Observation)	Using maps, describe the locations where data were acquired or observations were made.
Methods	Describe the processing technique used when preparing data, such as the methods used to acquire data and/or conduct observations, with citations as necessary.
Data Records	Explain data records that pertain to this report. Describe the data files and their formats so that other researchers can reuse them by reading this section.
Technical Validation	Provide the method used to support the technical quality of the datasets, with accompanying figures and tables when necessary. This is a required section; authors must provide information that legitimizes the reliability of their data.
Usage Notes (optional)	Describe any points that should be kept in mind when using the data.
Acknowledgements	Include contributions from people who are not listed among the authors, as well as projects that gathered data and sources of funding.
Author Contributions	Describe the contributions made by each author.
Competing Interests	Data management plans designated by funding sources may be provided here.
Figures (optional)	Include a maximum of four figures that present the main data points of the published data in a "quick look" format.
Tables	Include the main data points of the published data.
References	Provide bibliographic information for any works cited in the above sections, using the standard Nature referencing style.
Data Citations	This section is for notation of bibliographic information that was provided in the data report. For this section, data repositories involving polar science will provide digital object identifiers (DOIs).

Polar Data Journal : first published data paper

<https://pdr.repo.nii.ac.jp/>



Polar Data Journal



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Executive Editor (Masaki Kanao, NIPR)

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Top Ranking

[Detail](#) Full Text Simple

Language: English
Index Tree: Vol. 1 (2017)


Item List 1 - 1 of 1 items

Vol. 1 (2017)

export checked items Sort: ID (ASC) Num of Items: 20

[Surface elevations on Qaanaaq and Bowdoin Glaciers in northwestern Greenland as measured by a kinematic GPS survey from 2012–2016](#)

Polar Data Journal,1,1-16 (2017-10)






Polar Data Journal : first published data paper

[Vol. 1 \(2017\)](#)

Permalink : <http://doi.org/10.20575/00000001>

Surface elevations on Qaanaaq and Bowdoin Glaciers in northwestern Greenland as measured by a kinematic GPS survey from 2012–2016

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JaLC DOI

<info:doi/10.20575/00000001>

Polar Data Journal : first published data paper

Journal or Publication Title	Polar Data Journal
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関連サイト	Original Data
著者版フラグ	publisher
Related Keywords	amazon

Polar Data Journal : first published data paper

ADS 極KIWA
Arctic Data archive System

Home Applications

Data Summary

Surface elevations on Qaanaaq and Bowdoin Glaciers in northwestern Greenland, 2012-2016

Supplement to : Tsutaki, S., S. Sugiyama and D. Sakakibara. Surface elevations on Qaanaaq and Bowdoin Glaciers in northwestern Greenland, 2012-2016, as measured by a kinematic GPS survey from 2012-2016. Polar Data Journal.

◀ Back View Meta Data Record ▶▶ Download ▶▶

Select Version 1.00 ADS

Summary

Kinematic GPS measurements provide in-situ data crucial for measuring the change of glaciers. Owing to their accuracy, which is generally better than elevations derived from kinematic GPS surveys are useful and essential for creating digital elevation models (DEMs) and evaluating geometry changes. This is a surface elevation data set derived from kinematic GPS measurements on the Qaanaaq and Bowdoin Glaciers in northwestern Greenland. The data is from the free terrain nearby the glaciers, important for calibrating remote sensing. The GPS survey data points were processed to produce a 1-m resolution data set in a CSV file format. Based on our error analysis, the accuracies of the data are 0.2 and 0.3 m in horizontal and vertical directions, respectively. This study investigates glacier surface elevation changes by comparing it with data that may be obtained in the past, and from future from remote sensing.

Dataset citation

Tsutaki, S., S. Sugiyama, D. Sakakibara, 2017, Surface elevations on Qaanaaq and Bowdoin Glaciers in northwestern Greenland, 2012-2016, as measured by a kinematic GPS survey from 2012-2016, Arctic Data archive System, Japan, [doi: 10.17592/001.2017.001.001](https://doi.org/10.17592/001.2017.001.001)

Data Download

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Data Download

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 - ◻ bowdoin_2015_land.csv [612KB]
 - ◻ bowdoin_2016_ice.csv [1,394KB]
 - ◻ bowdoin_2016_land.csv [847B]
 - ◻ qaanaaq_2012_ice.csv [16KB]
 - ◻ qaanaaq_2013_ice.csv [5KB]
 - ◻ qaanaaq_2014_ice.csv [1,340KB]
 - ◻ qaanaaq_2014_land.csv [1,709KB]
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 - ◻ A20170608-001_v100.pdf [14KB]

◻ A20170608-001

Summary

- ✓ Polar Data Journal (PDJ) is a free-access, peer-reviewed online journal for publishing original research data/dataset, covering broad range of research disciplines including Arctic, Antarctic, or other polar regions.
- ✓ PDJ was newly born in January, 2017.
- ✓ The first data paper of PDJ was published in October, 2017.
- ✓ It is important to invite more submissions of data papers to raise the PDJ as the first data journal in our community. How ?