

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

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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/>

The screenshot shows the homepage of the Polar Data Journal. At the top, there is a blue header with the NIPR logo and the title "Polar Data Journal" in large white text. To the right of the title are two circular maps of the Arctic and Antarctic regions. Below the header, the main content area is divided into several sections. On the left, there is a "Call For Paper" section with a paragraph of text and a "Submit Your Paper" button. In the center, there is a "Menu" section with a list of links. On the right, there is an "Announcements" section with a list of recent posts and their dates. At the bottom, there is a search bar and a "WEKO" logo.

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

Menu

- Polar Data Journal
- ▶ About This Journal
- ▶ For Authors
- For Reviewers
- ▶ Policies
- Contact Information
- History of Website

Announcements

view number 10

Polar Data Journal is a fre...	01/17 18:23
We are pleased to announce ...	01/13 16:07
NIPR launches a new data jo...	12/06 14:47
1. Authorship The requireme...	11/23 15:54
NameAffiliationORCIDTaco De...	11/23 15:35
NameAffiliationORCIDRobert ...	11/23 15:19
Polar Data Journal (ISSN 24...	10/19 15:35
Read the submission guideli...	10/19 14:43
Review Process Diagram T...	07/20 20:24
In this section, we present...	07/01 19:37

WEKO

Top Ranking

Search

repo.nii.ac.jp/

Publication in NIPR

for Research paper

Periodical publication

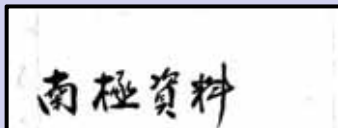
1. **Antarctic Record (lists)**
2. **Polar Science**
3. **Journal (formerly: Proceedings of the NIPR Symposium)**
 - Advances in Polar Upper Atmosphere Research
 - Polar Meteorology and Glaciology
 - Polar Geoscience
 - Antarctic Meteorite Research
 - Polar Bioscience

for Data

Casual publication

1. **Memoirs of National Institute of Polar Research (lists)**
2. **JARE Data Reports**
[For authors: The format of the report is available here.]
 - Aurora
 - Upper Atmosphere Physics
 - Ionosphere
 - Meteorology
 - Earth Science
 - Glaciology
 - Seismology
 - Geochemistry
 - Oceanography
 - Marine Biology
 - Terrestrial Biology
3. **NIPR Arctic Data Reports**
4. **Antarctic Geological Map Series (lists)**
5. **Special Map Series**
6. **Catalog (Meteorites, Moss Specimens, etc.)**
7. **Books**

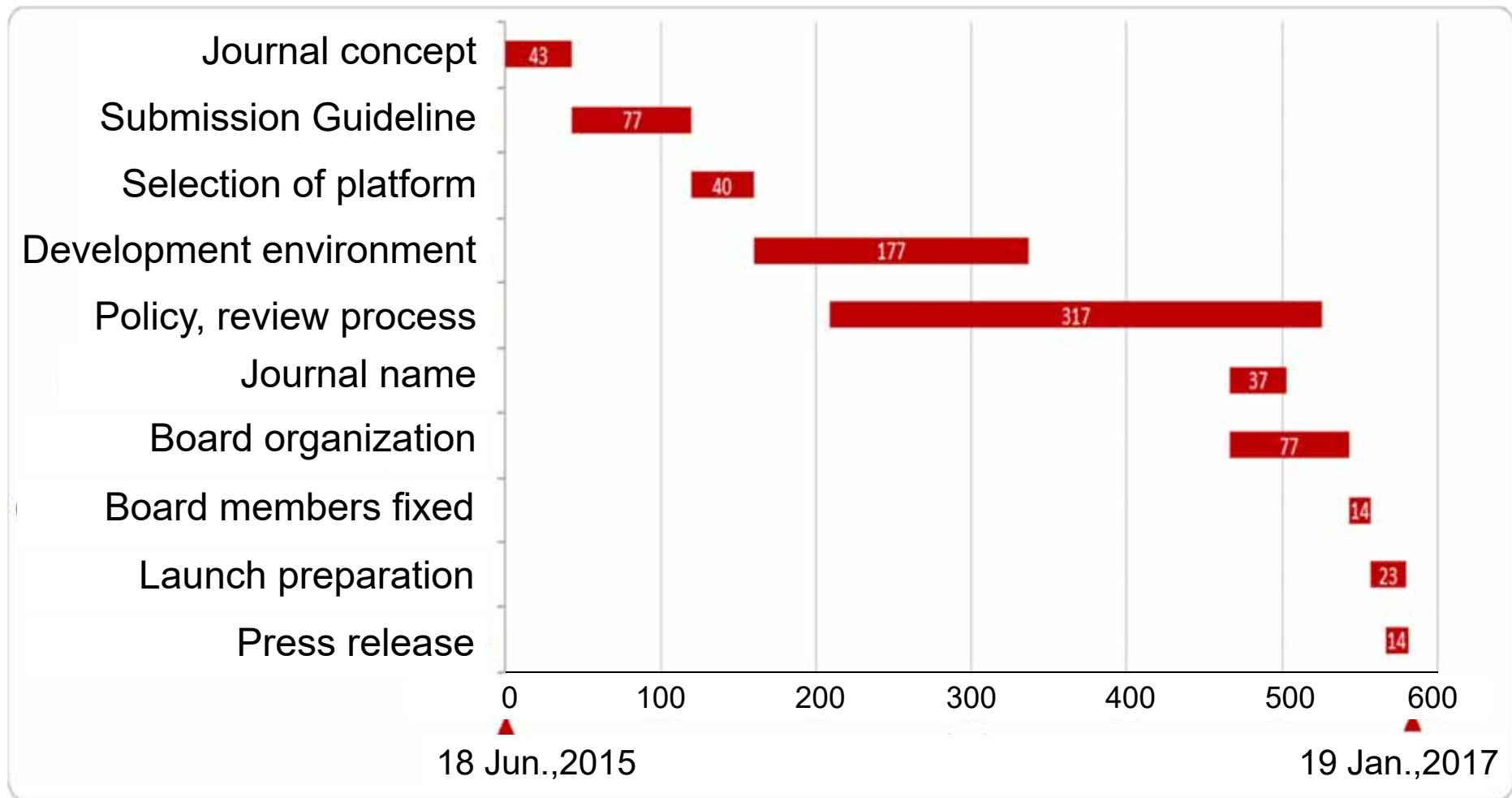
History of Data Publication in NIPR



Research Data

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 of Research Data
2014 Oct	National Institute of Polar Research
2015 Jul	Data Reports Future Concept WG kicked off
2017 Jan	Polar Data Journal launched, NIPR Arctic Data Reports stopped

Gantt Chart of the Polar Data Journal Preparation



Polar Data Journal: free-access online journal

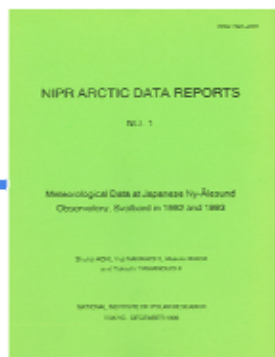
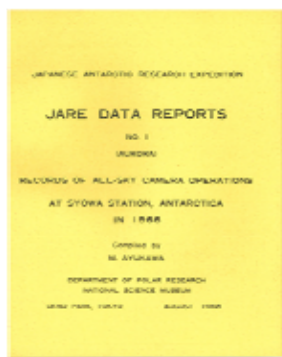
JARE Data Reports

Arctic Data Reports

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

Metadata

Paper



Internet



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



Data Repository



<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

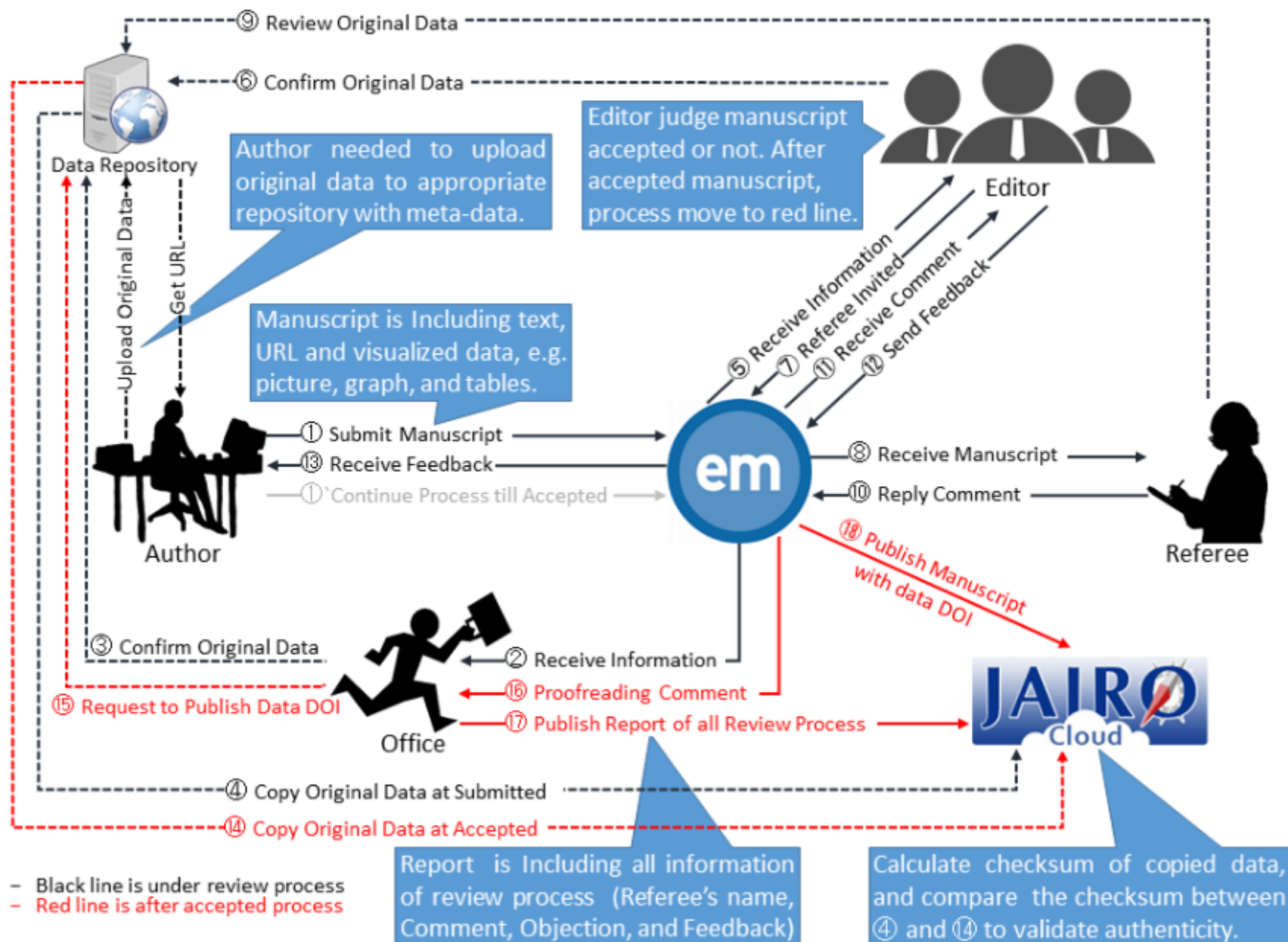
Polar Data Journal : Advisory Board

#	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
5	Mark Parsons	Research Data Alliance/Rensselaer Polytechnic Institute
6	Peter Pulsifer	University of Colorado
7	Anton Van de Putte	Royal Belgian Institute for Natural Science
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 : current status

Submitted: 8: published:2, editor decision:1, under review:4, reject:1

Polar Data Journal

em Editorial Manager

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[Accept \(2\)](#), [Reject \(0\)](#), [Withdrawn \(1\)](#), [Transfer \(0\)](#)

[My Assignments with Decision \(0\)](#)

[My Assignments with Final Disposition \(0\)](#)

Polar Data Journal : future plan

- **Planning several Special issues:**

 - IPY (International Polar Year) 2007-2008 Data

- **Recruit and support for submission:**

 - For the data obtained in the JARE (Japanese Antarctic Research Expedition) activities

 - For the data obtained in the Japanese arctic projects

 - For the data obtained in the international programs of SCAR (Scientific Committee on Antarctic Research), IASC (International Arctic Science Committee), etc.

- **Advertise to community:**

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 value of the PDJ as the first data journal in our community. How ?

Polar Data Journal: <https://pdr.repo.nii.ac.jp/>