

# 極域データの国際連携： 南極データマネージメント委員会 (SCADM)を中心に

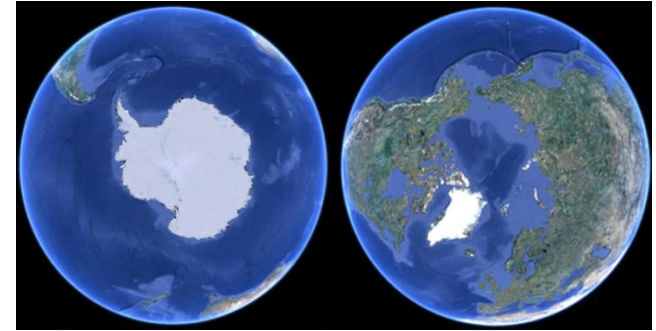


金尾 政紀

極域環境データサイエンスセンター



# Polar Environmental Data Science Center (PEDSC) DS/NIPR-ROIS

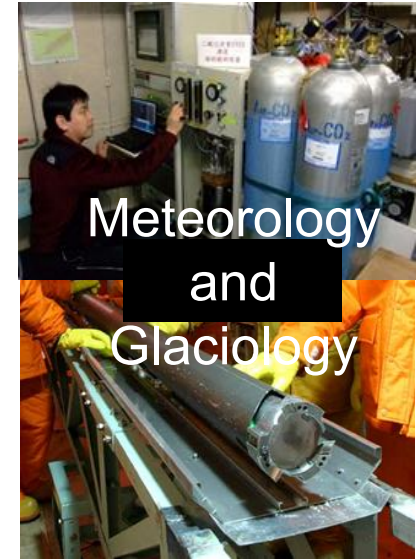


*Collaboration*  
*Open Data*

*Data Science*

*Network*

*Database*



**Geoscience**



**Bioscience**

# Polar Environment Data Science Center / DS / ROIS

NIPR

DS/ROIS

External  
Community

Polar Environment Data Science Center

Observation and Research activity  
in Arctic and Antarctic regions

## Digital data

- Space and Upper Atmospheric Sciences Group  
PANSY, EISCAT, aurora, magne, ULF, VLF, CNA
- Meteorology and Glaciology Group  
CO<sub>2</sub>, CH<sub>4</sub>, aerosole, meteorological satellite
- Geoscience Group: seismology, gravity, VLBI
- Bioscience Group: marine biology, genome data

## Sample data

- Ice core
- Meteorite
- Rock
- Greenhouse effect gas
- Biodiversity

## Data Base System

- Science Data Base
- ADS (Arctic Data archive System)
- IUGONET (Inter-university Upper atmosphere Global Observation NETwork)
- Antarctic GIS system

Collaboration with national and international communities

Data Science, Collaborative research

Data Publication (Polar Data Journal)

Integrated  
Database

- University, College
- Research Institution
- Company
- Public

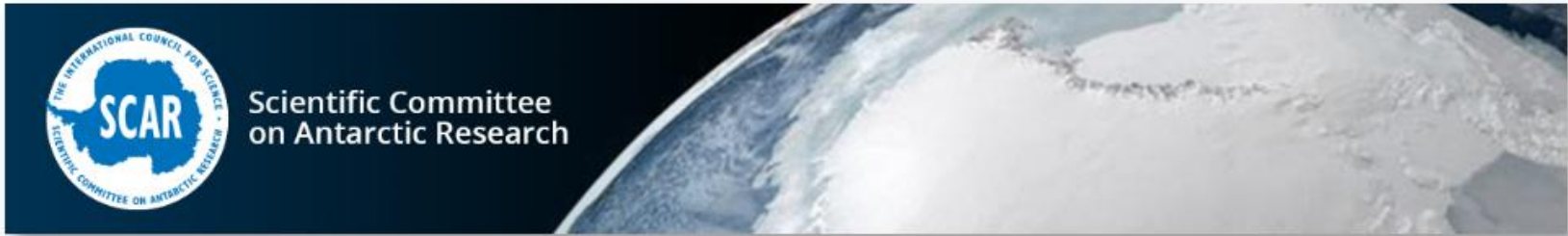
- ArCS
- GRENE
- JCAR
- IASC
- SIOS

- SCAR/ICSU
- WDS/ICSU
- CODATA/ICSU
- GCMD/NASA



# SCADM

- Standing Committee on Antarctic Data Management -



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[Data & Databases](#) -

[SCADM \(SCAR's Data Management Committee\)](#) \_

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## STANDING COMMITTEE ON ANTARCTIC DATA MANAGEMENT (SCADM)



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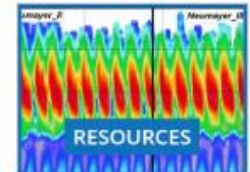
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Data and information are valuable and irreplaceable resources. Proper management of data and information is



**Participants in the SCAR 2016 SCADM meeting 20-21 August 2016  
in the Renaissance Hotel, Kuala Lumpur.**



**Standing Committee on Antarctic Data Management  
(SCADM/ SCAR / ICSU)**



# The 17<sup>th</sup> Standing Committee on Antarctic Data Management (SCADM-17 / SCAR / ICSU)



13-14 October 2013 @国立科学博物館(上野)



15 -16 October 2013



## International Forum on 'Polar Data Activities in Global Data Systems'





# JCADM

## Joint Committee on Antarctic Data Management

(南極データ管理合同委員会)

*"Scientific observations and results from Antarctica shall be exchanged and made freely available."* (Antarctic Treaty , section III.1.c)



SCAR/COMNAPが1997年に設置

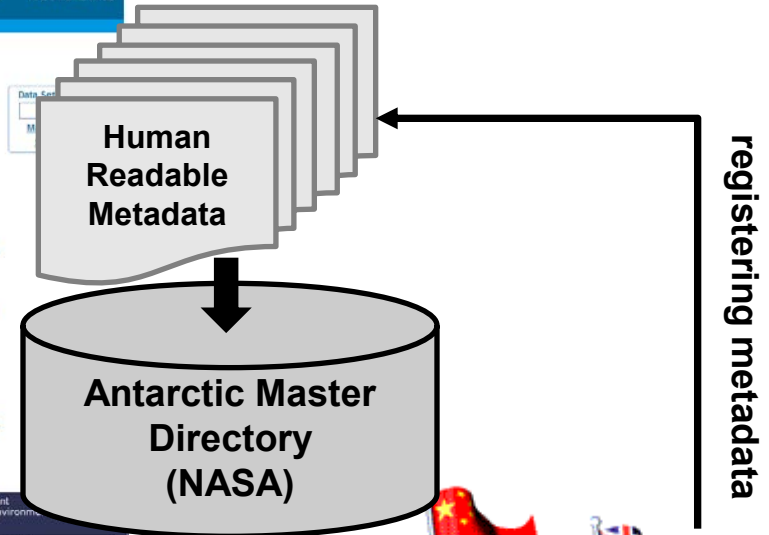


- 各国のデータマネージメント推進への協力(データポリシー、メタデータ提出)
- (主に)メタデータの管理
- データの所在についての情報提供
- SCAR/COMNAPへの報告、関連SSG,WGとの連絡調整
- IPYにおけるデータマネージメント



# 南極科学委員会 (SCAR) に関する データのインフラストラクチャー

Antarctic Master Directory (AMD) / GCMD / NASA  
南極マスターディレクトリー



A user can search a metadata catalogue. Data might be linked ??



National Data Centres

National Antarctic Data Centers (NADC)  
各国のデータセンター


Antarctic Data Management System (ADMS)  
= AMD + NADCs

# GCMD; SCAR related portals


A Global Change Master Directory Portal

## Customized NADC/SCAR Portals


AMD\_JP+Arctic\_JP; N=300



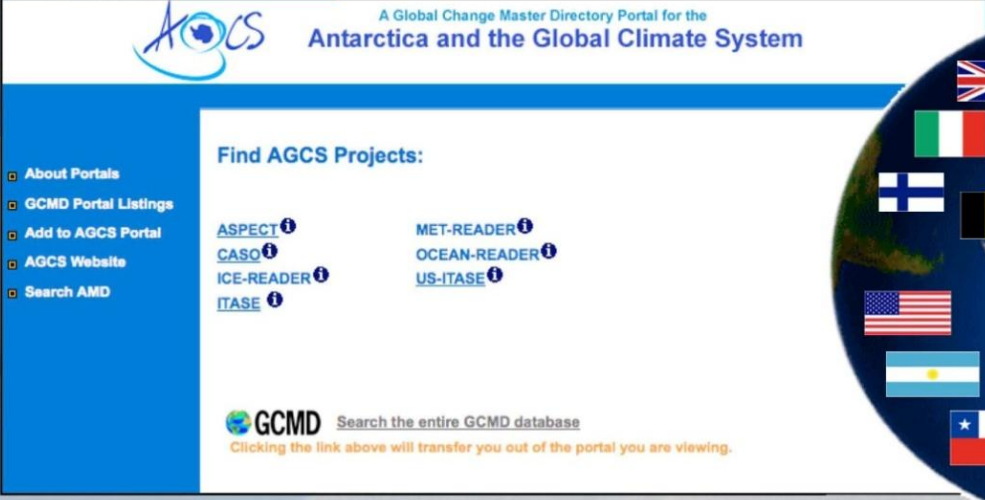
A Global Change Master Directory portal for the  
Antarctica New Zealand Data Center



A Global Change Master Directory portal for the  
Malaysian Antarctic Data Center



NIPR  
Arctic Data  
A Global Change Master Directory Portal for  
The National Institute of Polar Research, Japan




AGCS  
A Global Change Master Directory Portal for the  
Antarctica and the Global Climate System

Find AGCS Projects:

<a href="#">ASPECT</a>	<a href="#">MET-READER</a>
<a href="#">CASO</a>	<a href="#">OCEAN-READER</a>
<a href="#">ICE-READER</a>	<a href="#">US-ITASE</a>
<a href="#">ITASE</a>	

GCMD Search the entire GCMD database  
Clicking the link above will transfer you out of the portal you are viewing.



Providing DIFs to GCMD by using WAF (web accessible folder) inside NIPR metadata portal

南極マスターディレクトリー(AMD)  
/ 汎地球変動マスターディレクトリー  
(GCMD)/アメリカ航空宇宙(NASA)





[About NIPR](#)

[NIPR Research](#)

[Data Base](#)

[Contact](#)

Home > Data Base

# NIPR関連データへのGateway

## Data Base

[Space and Upper Atmospheric Sciences](#)

[Meteorology and Glaciology](#)

[Geoscience](#)

[Bioscience](#)

[Governmental Institutions](#)



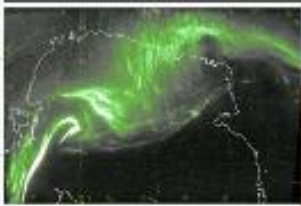
[Project](#)

[Monitoring](#)

[IPY](#)

[Arctic](#)

[Umitakamaru](#)



[Martian Meteorite](#)

[Eucrite from Vests](#)

[Carboneaceous Chondrite](#)

[Lunar Meteorite](#)

Data Base

- ▶ [Polar Data Center](#)
- ▶ [Ice Core Research Center](#)
- ▶ [Science Data Base](#)
- ▶ [Data Center for Aurora in NIPR](#)
- ▶ [EISCAT database in NIPR](#)
- ▶ [Dome Fuji Ice Core](#)
- ▶ [Collection of rocks and minerals](#)
- ▶ [Antarctic Meteorite Research Center](#)
- ▶ [Biological Specimen Archive](#)

# 極域の学術(メタ)データベース

- ◆ 南極観測事業(JARE)をはじめ、(北極を含む)両極域での調査・研究活動により取得された科学的データのメタ情報を収集・公開
  - IGY(1957-58)以後の長期間に渡るモニタリング観測
  - 短期間に集中的に行うプロジェクト研究
  - 極地研(研究分野別) + 定常官庁
- ◆ 文字情報・数値形式の所在情報(メタデータ)として、一括して集積
- ◆ 専用のポータルサーバで公開 <http://scidbase.nipr.ac.jp/>
- ◆ NASAの南極マスターディレクトリー(Antarctic Master Directory)等とも連携





# NIPR Metadata Portal

学術メタデータベース

Top Page;

<http://scidbase.nipr.ac.jp/>

NIPR\_MetaDB; N=380

Both the English &  
Japanese pages

107,000 access from  
2011. December

The screenshot shows the NIPR Metadata Portal website. At the top, there is a browser address bar with the URL [http://scidbase.nipr.ac.jp/?ml\\_lang=en](http://scidbase.nipr.ac.jp/?ml_lang=en). Below the browser, the website header features the text "National Institute of Polar Research Science Database" and a logo. A language selector shows "日本語" and "English".

The main content area is divided into several sections:

- Menu:** Includes links for Home, About Polar Meta Database, Science Category (Space and Upper Atmospheric Sciences, Meteorology and Glaciology, Geoscience, Bioscience, Governmental Institutions), Data Policy, User's Manual, Polar Information Commons, IPY Data Management, Related Links, Photo Gallery, and Contact.
- Login:** Includes links for Login, Register now!, and Lost Password?.
- Search:** A search bar with a "Search" button.
- Options:** A link for Options.
- Counter:** Shows a total of 5666.
- meta data list:** A grid of categories: Space and Upper Atmospheric Sciences, Meteorology and Glaciology, Geoscience, Bioscience, and Governmental Institutions. Below this is a "New Meta Data" section with a list of items:

Thumbnail	Date	Time	Title
	2012/6/1	11:27	<a href="#">Ocean color remote sensing data</a>
	2012/6/1	11:23	<a href="#">Polar plant biodiversity database</a>
	2012/6/1	10:54	<a href="#">Database of animal specimens from polar regions</a>
No image	2012/6/1	10:51	<a href="#">Plankton Samplings on Board the "Fui" in 1980-1983</a>
No image	2012/6/1	10:41	<a href="#">Pigment Content and Salinity of Sea Ice Cores collected near Showa Station, Antarctica in 1983/84</a>
No image	2012/6/1	10:38	<a href="#">Chlorophyll concentrations and environmental parameters recorded with a moored buoy system</a>
No image	2012/5/30	16:02	<a href="#">Chlorophyll concentrations and environmental parameters recorded with a moored buoy system</a>
No image	2012/5/30	15:57	<a href="#">Oceanographic and Marine Biological data near Showa Station</a>
No image	2012/5/30	15:51	<a href="#">Whale sighting efficiency of the crew on board ocean research vessels in BIOMASS/FIBEX</a>
No image	2012/5/30	15:10	<a href="#">Zooplankton Data at Showa Station</a>

- Hot News !**
  - User Manual was renewed. (2nd version)(2012-04-18 10:30:51)
  - Dr. Mustapha Mokrane, Science and Information Technology of ICSU visited NIPR.(2012-02-09 18:12:58)
  - 2012 JpGU; Union Session (U-01) "Toward a New Framework of Global Data Activity"(2012-01-27 15:39:01)
  - The "Access Counter " began at the metaDB portal. (2011-12-02 16:51:29)
  - IPY Data Management page was created(2011-11-21 12:07:17)
  - Standing Committee on Antarctic Data Management meeting (SCADM-15)(2011-11-07 17:37:39)
  - The first ICSU WDS Conference - Global Data for Global Science - was held(2011-11-07 17:21:01)
  - Introduction Lecture for "Metadata Portal Server" was held(2011-07-28 17:48:21)
  - about user password(2011-07-01 09:26:28)
  - The "Polar Information Commons: PIC" page was opened.(2011-06-29 14:54:09)

At the bottom, there is a "Related Databases" section with links to Polar Data Center, Aurora, EISCAT Japan, THE PENGUINNESS BOOK, ANIMAL SPECIMENS DATABASE, Antarctic Meteorite Database, Polar Sets, NIPR, and POLAR YEAR. There is also a "PIC Norms" section with a Creative Commons license logo and text stating the work is licensed under a Creative Commons Attribution 3.0 Unported License.

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# Flow Chart of Data Publication on Polar Science

## データ共有(相互利用)の促進

Science Metadata Base (English & Japanese)

<http://scidbase.nipr.ac.jp/>

National Institute of Polar Research  
Science Database

Welcome admin

日本語 English

meta data list

Date	Title	Author
2011/3/7 12:06	EISCAT radar	
2011/3/4 18:36	Teleseismic digital waveform records	
2011/3/4 14:11	Teleseismic digital waveform records	
2011/3/4 7:51	All-sky Imager Observation at South Pole Station	
2011/3/4 7:46	Monitoring of marine pollution	
2011/3/4 7:45	Antarctic region topographical map	
2011/3/4 7:43	Fluctuation survey of exposed rock area	
2011/3/4 7:41	Ultraviolet limits solar radiation observation classified by wave length	
2011/3/4 7:40	Whale sighting efficiency of the crew on board ocean research vessels in BIOMASS/FIREX	
2011/3/4 7:35	Quaternary fossil information near the Syowa Station	

HOT NEWS !

- Cherry Blossoms in Mooned (2011-03-04 11:52:40)
- The plain tree bloomed (2011-03-04 11:52:12)
- (2011-03-04 11:52:47)

NIPR\_MetaDB; N=380



Antarctic Master Directory / GCMD

Japanese Antarctic Portal (AMD\_JP)

AMD\_JP+Arctic\_JP; N=300

Japanese Arctic Portal (Arctic\_JP)



IPY Portal in GCMD

IPY\_JP; N=250

International Data Management Organization / Committee

Exchange of Data & Information

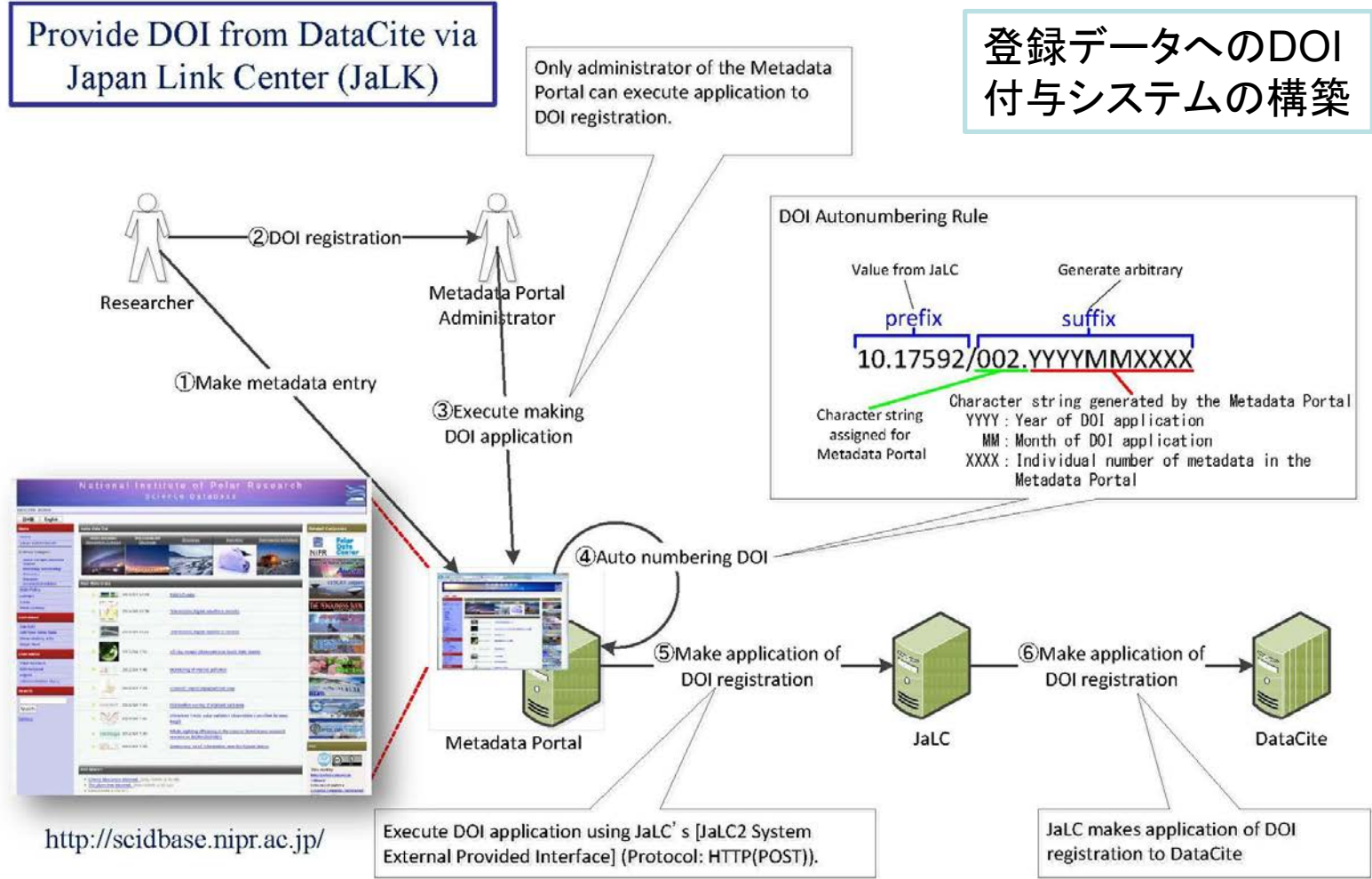
Science Database in Polar Data Center / NIPR

Exchange of Data & Information

NASA / GCMD / Antarctic Master Directory

# Data Publication

( DOI assignment to the data inside PEDSC metadata portal)



A flow chart to obtain the DOI prefix from DataCite to the PEDSC metadata portal server (<http://scidbase.nipr.ac.jp/>) via the JaLC gateway interface.



# データと情報のマネージメント戦略 (DIMS)

## Implementation Plan : (例) 2009-2013



- SCAR「データと情報のマネージメント戦略 (DIMS)」実行プラン(IP)では、以下の3項目をメインに実施。

- 相互利用可能なデータリポジトリネットワークの構築
- SCAR プロジェクト成果の妥当性と利便性の改良
- 極域情報コモン(PIC)の設立と運用開始



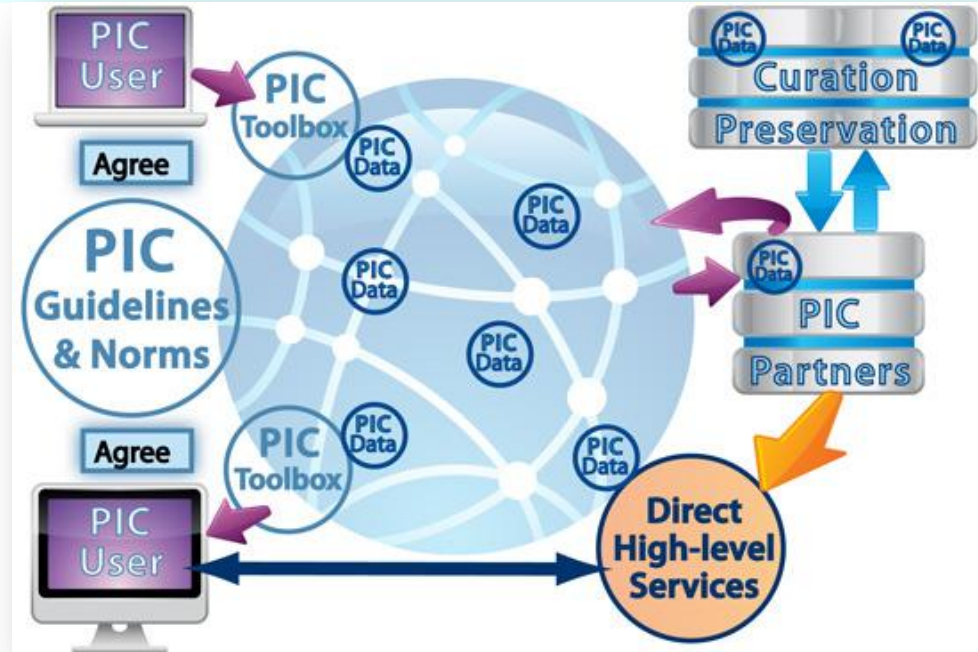
<http://www.polarcommons.org/>







# Launched in June IPY Conference Oslo



Our Partners:



**ICSU**  
International Council for Science



International Union  
of Geodesy and Geophysics



Koninklijke Nederlandse  
Akademie van Wetenschap



Scientific Committee on  
Antarctic Research



World Meteorological Organization  
Working together in weather, climate and water

[www.polarcommons.org](http://www.polarcommons.org)

# SCADM

## Standing Committee on Antarctic Data Management

The Antarctic data management system, making scientific research in Antarctica discoverable



### The Antarctic Treaty & Open Data

#### Article III

1. In order to promote international cooperation in scientific investigation in Antarctica, as provided for in Article II of the present treaty, the Contracting Parties agree that, to the greatest extent feasible and practicable:

... Scientific observations and results from Antarctica shall be exchanged and made freely available.

#### Global Change Master Directory

The goal of the GCMD is the discovery of and access to data, related services, and ancillary information (which includes descriptions of instruments and platforms) relevant to global change and Earth science research.

Today, the GCMD is one of the largest public metadata inventories in the world.

#### The International Polar Year

The International Polar Year (IPY) 2007-2008 was a global effort to simultaneously collect data from both polar regions. In the framework of the IPY a IPY specific subset was created within the GCMD. In order to be an officially part of IPY, each Project had to follow the IPY 2007-2008 Data Policy. In order to take part in an IPY 2007-2008 Project, participants agreed to submit information and data from their component of the project and comply with the IPY 2007-2008 Data Policy.

#### The Antarctic Master Directory

The AMD is the largest collection of Antarctic data set description in the world, holding over 8500 dataset descriptions from 25 countries of which more than 50% provide access to data.

The AMD is hosted by the GCMD and is the main repository for all SCAR data.

#### The Southern Ocean Observation System

Data sharing is at the heart of SOOS. It aims to make all Southern Ocean data, all accessible from one place. At the same time, SOOS wants to protect researchers' rights to get first use out of data that they collected.

As SOOS is also using the GCMD it complementarily with the AMD ensuring easy flow of information between the two portals.

#### National Antarctic Data Centres

NADC's provide the national focal point for the ADMS and assist national scientists in the production and maintenance of metadata records. Furthermore they provide advice on Antarctic data management issues

#### Research Scientists:

Complete and submit metadata records to NADCs or other instances responsible for metadata record content. Research scientists remain custodian of their data (though responsibility may be transferred to another organisation).

### The Role of SCADM

Promote the establishment, coordination and support of the ADMS

Promote data management within the Antarctic scientific community

Assist in establishing Antarctic data management policies and priorities

Report to SCAR on Antarctic data management issues

Provide guidance to the Antarctic Master Directory (AMD) host, the Global Change Master Directory (GCMD)

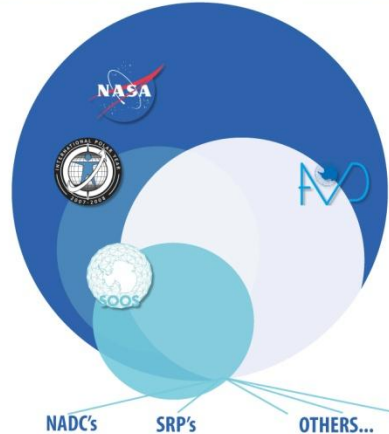
Participate in the development of the International Directory Network (IDN)

### Antarctic Data Management System

The ADMS is composed of:

The Antarctic Master Directory (AMD)  
The National Antarctic Data Centres (NADCs)

The NADCs are a link between Antarctic scientists and the AMD. Antarctic scientists are responsible for creating metadata, but are also the major beneficiaries of the system.



### Principles

The ADMS contains data descriptions - it is not a central database containing the actual data All Antarctic scientific data will be described - including:

historical data  
environmental monitoring data  
data with restricted access

Data custodians (eg research institutions, funding bodies) are responsible for determining conditions of access to the data. Access to the directory will not be restricted - the directory and its products will be widely promoted.

The continued development of a comprehensive directory of Antarctic data is not a trivial task. It requires the commitment and participation of all SCAR member countries, and significant ongoing resources. At this stage we encourage SCAR Scientific Research Programmes and Expert and Working Group to get in touch and learn more about the Antarctic Data Management System

# Standing Committee on Antarctic Data Management (SCADM/ SCAR / ICSU)

第21回南極データマネジメント委員会  
(Standing Committee on Antarctic Data Management; SCADM-21):  
2017年9月16 ~18日、於:モントリオール

SCADMの副議長 (deputy Chief Officers) 2名  
の入替え・推薦、Frank Nitsche (アメリカ)と  
Masaki Kanao(日本)が選出。議長は、Anton  
Van de Putte(ベルギー)が継続

SCADM月例テレコンファレンス  
(SCADM\_SCRUM)を月1回ペースで実施中

WDS の連携会員  
として参画(2018-)



Search...



Trusted Data Services for Global Science



WORLD DATA SYSTEM

Home About Community Data and Services Publications News Events

Home » Community » Membership

# Community

## Membership

Share

As of 19 Feb 2018, the World Data System has **110 Member Organizations** in four different categories.

- **72 Regular Members**
- **11 Network Members**
- **9 Partner Members**
- **18 Associate Members**

The WDS Scientific Committee (WDS-SC) is also in the reviewing process for several other applications. New applications for membership can be started by signing up to the WDS website and filling an **Expression of Interest**.

Note: Membership requires the signature of a **Letter of Agreement** (or a similar document) between Members in all categories and ICSU. Template Agreements, in addition to instructions on the procedure, can be found **here**.

**Bylaws** detailing procedures regarding WDS membership, interactions between the WDS-SC and WDS Member Organizations, the establishment of Working Groups, WDS biennial Members' Fora, and other practical matters have been developed by the WDS-SC, in consultation with WDS Members. See **here** for the latest version of the WDS Bylaws.

## Membership

- » [Membership](#)
- » [Regular Members](#)
- » [Network Members](#)
- » [Partner Members](#)
- » [Associate Members](#)
- » [Template Agreement](#)
- » [Bylaws](#)

## Become a WDS Member

- » [Why join WDS?](#)
- » [How to Join](#)
- » [Apply Now!](#)

## Community

# Southern Ocean Observing System (SOOS/ SCAR / ICSU)



SOUTHERN OCEAN OBSERVING SYSTEM

WDS 連携会員として  
参画準備中



**ABOUT US**  
Start Here

**NETWORK**  
SOOS Community

**PRIORITIES**  
The Need

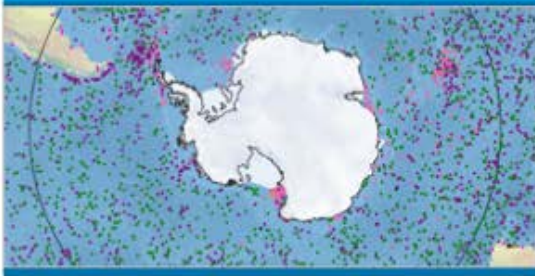
**ACTIVITIES**  
Implementation

**RESOURCES**  
SOOS Products

**DATA**  
Observations



## SOOSmap



## DueSouth



## Data Portal



## Get Involved

### Regional Working Groups

Indian Sector

[More Info](#)

West Antarctic Peninsula

[More Info](#)

Ross Sea Working Group

[More Info](#)

## Calendar



## News

### SOFLUX news in a flash

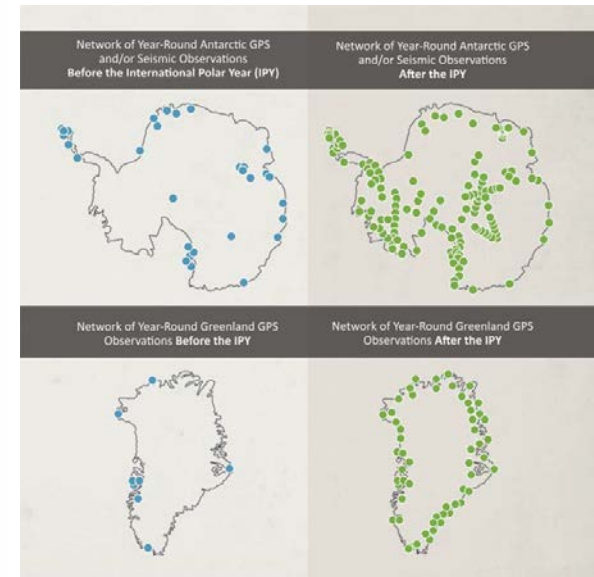
The core aim of SOFLUX is to reduce uncertainties in air-sea and air-sea-ice exchanges. Sign up for their 'newsflash' emails, find out about upcoming meetings, the ORCHESTRA field program and more!

[Mesopelagic Southern Ocean Prey](#)



# SCAR & IASC collaboration

## Sustaining Arctic Observing Networks; SAON



*SAON Data Meeting in Oslo 2010*



International Forum on  
**Polar Data Activities**  
in  
**Global Data Systems**

15-16 October 2013

National Museum of Nature and Science, TOKYO, JAPAN



Forum Website

<http://www.polar-data-forum.org/>

Sponsored by:



*International Forum on*

# Polar Data Activities in Global Data Systems

15-16 October 2013  
Ueno, Tokyo





# Arctic Data Committee (ADC/ IASC / ICSU)

International Arctic Science Committee



IASC ACTIVITIES ASSW OUTREACH CAPACITY BUILDING DATA & OBSERVATIONS

## ARCTIC DATA COMMITTEE



HOME ABOUT US ACTIVITIES MEETINGS PRODUCTS MEMBER AREA

ASA / Kathryn Hansen



### ADC News & Events

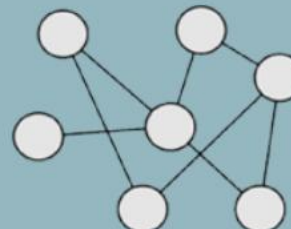
Arctic Observing Summit, 24-26 June 2018, Davos, Switzerland  
3 Nov 2017

Polar 2018, 15-26 June, 2018, Davos, Switzerland  
3 Nov 2017

ISAR-5, 15-18 January 2018, Tokyo, Japan



ARCTIC DATA



INTEROPERABILITY



GET INVOLVED!

# SCADM@Davos

## 2018 June



- **第22回南極データマネジメント委員会 (Standing Committee on Antarctic Data Management; SCADM-22) : 2018年6月15 - 16日**
- 初日 18名、二日目 26名参加
- 議長Anton Van de Putte(ベルギー)の進行
- NASA/GCMDの南極マスターディレクトリー(AMD)年次報告
- 南大洋観測システム(SOOS)のデータ管理の現況報告
- 各国の南極データセンター(NADC)でのデータ管理状況(National Reports)
- 12カ国(アメリカ、オーストラリア、カナダ、フィンランド、ドイツ、日本、オランダ、ノルウェー、イギリス、南アフリカ、中国、ベルギー)
- 我が国からは極域環境データサイエンスセンター活動を中心に、データ相互利用・データ出版(DOI付与)・Polar Data Journal等について説明
- 午後:アジア極域科学フォーラム(AFoPS)でのデータ共有促進について、Masaki Kanaoより説明・意見交換。今後AFoPS各国との協同によりGCMDでの専用ポータルサーバ構築、連携データ検索(Federation data search)等によるデータ相互利用と共有を進める
- 2016-2018年のSCADMワークプランに対する活動報告(Frank Nitsche)、オランダの新規データ交換インフラ(POLDER)の紹介、GCMDへの今後の要求項目のリストアップ(DIF形式のバージョンアップに伴う問題点等)、等を議論



PROVIDE A FOUNDATION FOR  
COOPERATIVE RESEARCH ACTIVITIES



## The Asian Forum for Polar Sciences

The Asian Forum for Polar Sciences (AFoPS) is a non-governmental organization established in 2004 to encourage and facilitate cooperation for the advance of polar sciences among countries in the Asian region.

The Forum consists of its 6 Members, national polar research institutions representing **China, Japan, South Korea, India, Malaysia and Thailand**. AFoPS also has 4 observers: **Indonesia, Philippines, Sri Lanka and Vietnam**.

Dr. Yang Huigen, Director General of Polar Research Institute of China (PRIC), serves as the Chair of AFoPS for 2017-2018.

## INFORMATION

AFoPS Key Documents

Meeting Papers

News

Photos

Databases >

Useful Links

## Databases

Home > Information > Databases



**Aim; Promote data inter-operability among AFoPS involved countries**

### PRIC

Resource-sharing Platform of Polar samples >

Chinese National Arctic and Antarctic Data Center >

Gate to the Poles

### NIPR

Polar Data Center

Science Database

Dome Fuji Ice Core (in Japanese)

### KOPRI

Korea Polar Data Center >

Antarctic Functional Genomics Project >

Polar and Alpine Microbial Collection >

Korea Curations of Antarctic Meteorities >

### NCAOR

National Polar Data Center >

National Marine Geoscientific Datacentre >



# GCMD; SCAR related portals

A Global Change Master Directory Portal

## Customized NADC/SCAR Portals

AMD\_JP+Arctic\_JP; N=300

The image displays four customized portals for the Global Change Master Directory (GCMD). The top portal is for the Antarctica New Zealand Data Center, featuring a penguin logo and a search bar. Below it is the Malaysian Antarctic Data Center, with the Malaysian flag and a search bar. The third portal is for NIPR Arctic Data, with the NIPR logo and a search bar. The bottom portal is for AGCS Antarctica and the Global Climate System, with a search bar and a list of projects including ASPECT, CASO, ICE-READER, ITASE, MET-READER, OCEAN-READER, and US-ITASE. A globe with various national flags is overlaid on the bottom right of the collage.

**Action -1 : Offer to create a new metadata portal of AFoPS in GCMD**

**Action -2 : (annual?) meeting on data issues among AFoPS countries**

# SCADM@Davos

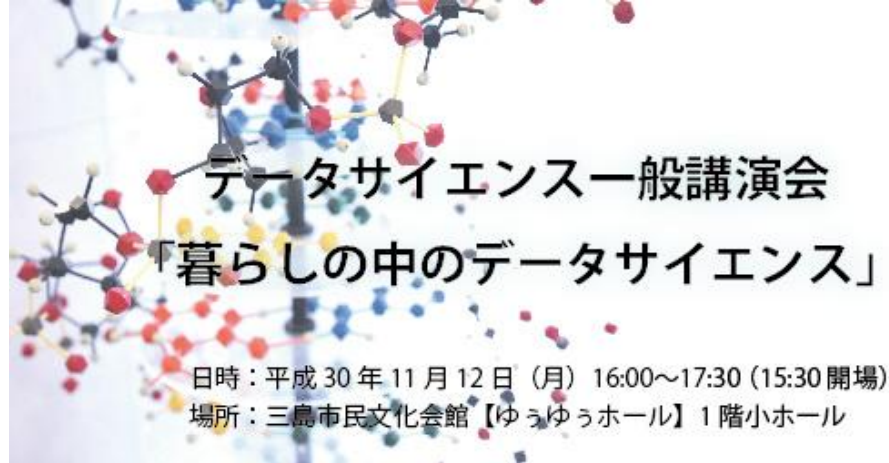
## 2018 June



- **第22回南極データマネジメント委員会 (Standing Committee on Antarctic Data Management; SCADM-22) : 2018年6月15 - 16日**
- 二日目 26名参加
- SCADMの戦略的視点について意見交換、それを踏まえ2019-2020の具体計画を議論
- Polar Data Forum IIIの開催2021?、各関連プロジェクトベースでの予算獲得、長期的展望
- 汎地球的プロジェクトを含むSCAR内外の組織連携について、関連プロジェクトPIからの紹介を踏まえて、データ公開・利用に関して意見交換
- スイスDSセンター、DataONEプロジェクト、科学技術データ委員会 (CODATA/ICSU)、世界データシステム (WDS/ICSU) へのメンバーシップ登録の準備状況、北極データ委員会 (ADC)、ANTOS、GEO Cold Regions Initiative、SCAR Life sciences グループ、SCAR/SRP (ショート・リサーチ・プログラム) のState of the Antarctic Ecosystem (AntEco)、Antarctic Thresholds - Ecosystem Resilience and Adaptation (Ant-ERA)、等
- GCMD担当者とのSkypeによる意見交換、サーバシステム機能向上への希望を提出
- 議長の改選がありAnton Van de Putte (ベルギー) が継続、副議長 (deputy Chief Officers) は、Frank Nitsche (アメリカ) とMasaki Kanao (日本) が継続。
- 次回SCADM-23は、2019年4月に、研究データ同盟 (Research Data Alliance; RDA) 総会に合わせてフィラデルフィア (アメリカ) を予定。
- 2020年にはSCARホバート大会時にData Management Cycle ワークショップを開催予定



# International Conference - ROIS-DS workshop, etc. -



## データサイエンス一般講演会 「暮らしの中のデータサイエンス」

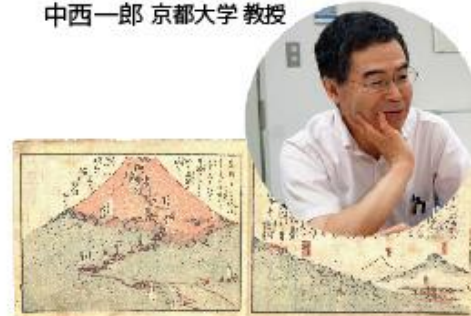
日時：平成30年11月12日（月）16:00～17:30（15:30開場）  
場所：三島市民文化会館【ゆうゆうホール】1階小ホール

静岡県三島市で開催するデータサイエンス国際ワークショップの一環として、その初日に一般の方々をお招きする講演会です。どなたでもご参加いただけます。ふるってご参加ください。当日参加も歓迎いたします。【登録不要・入場無料】

自然災害とデータサイエンス

「東海地震と富士山噴火の歴史」

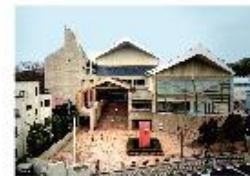
中西一郎 京都大学 教授



農業とデータサイエンス

「DNA データが加速する新品種の育成」

田畑哲之 かずさ DNA 研究所 所長



会場：三島市民文化会館

静岡県三島市一番町20番5号  
（三島駅南口より徒歩3分）

TEL：055-976-4455

※駐車場はありませんので、近隣の有料駐車場又は公共の交通機関をご利用下さい。

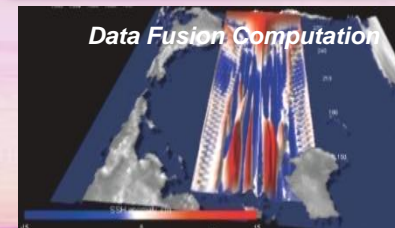
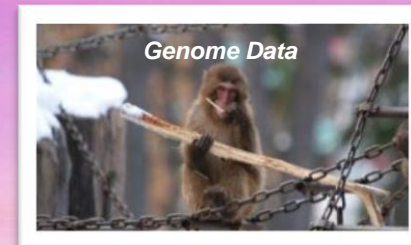
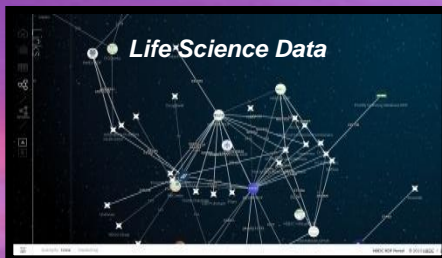


■主催・共催：大学共同利用機関法人 情報・システム研究機構、データサイエンス共同利用基盤施設、国立遺伝学研究所  
■お問合せ：データサイエンス共同利用基盤施設 DSWS 実行委員会 data.ws.loc-2018@nipr.ac.jp TEL：042-512-9254

# International Workshop on Sharing, Citation and Publication of Scientific Data across Disciplines

Joint Support-Center for Data Science Research (DS), Tachikawa, Tokyo  
5-7 December 2017

国際集会の開催



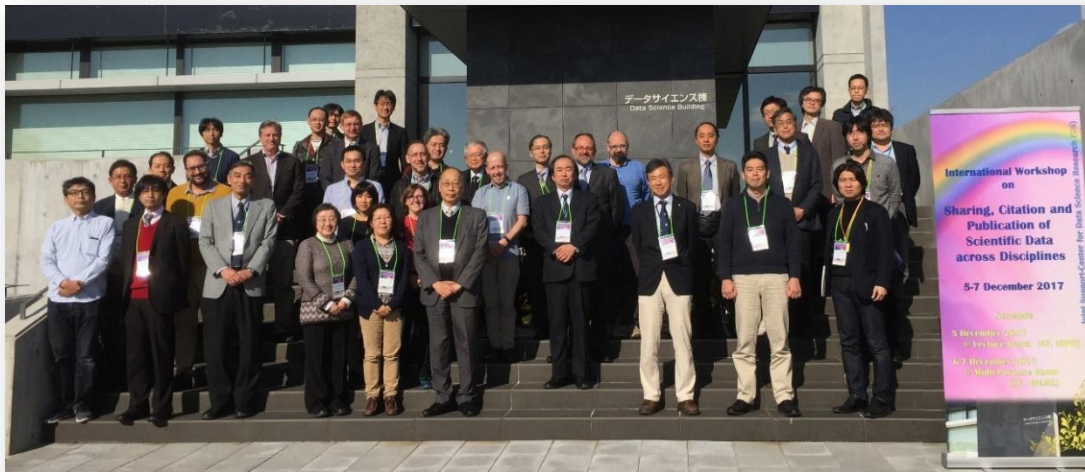
## Schedule :

5 December @ Lecture Room (4F, NIPR)、6 -7 December @ Multi-Purpose Room (2F, NINJAL)



# ◆大学共同利用機関法人情報・システム研究機構◆ データサイエンス共同利用基盤施設で 科学データに関わる国際ワークショップを開催

- 平成29年12月5日～7日、大学共同利用機関法人 情報・システム研究機構 データサイエンス共同利用基盤施設は、「分野を超えた科学データの共有・引用・出版に関する国際ワークショップ」を開催
- 様々な所属と研究分野の研究者70名が参加。極域科学・地球惑星科学・生物学・人文学・社会学を含む学際的視野に立ち、科学データ全般を扱うオープンサイエンス・オープンデータの最近の動向について議論
- 分野横断型研究への発展の可能性を含め、データ共有(相互利用)・データ出版と引用・データジャーナル等に関する情報交換を重点的に実施
- 国際連携の枠組みをベースにした学際的データサイエンス推進・関連コミュニティとの連携強化を視野に、今後の同施設における共同利用・共同研究のための各種プラットフォーム構築の方向性・展望を検討



藤井良一機構長、藤山秋佐夫施設長を囲んだオープニングの参加者



シンポジウム会場の様子



# International Workshop on Data Science - Present & Future of Open Data & Open Science –

12 – 15 November 2018

Mishima Citizens Cultural Hall & Joint Support-Center for Data Science Research,  
Mishima, Shizuoka, Japan

[https://ds.rois.ac.jp/article/dsws\\_2018/](https://ds.rois.ac.jp/article/dsws_2018/)

## Session Themes :

- ✓ International data activity
- ✓ National data activity
- ✓ Current status of data science
- ✓ Current status of Inter-disciplinary science
- ✓ Industry-academia collaboration, education and capability building
- ✓ Legacy data, historical data, future on data science

and human science, as well as polar science. Inter-disciplinary orientated topics on data management are especially encouraged.

### Session Themes:

- International data activity
- National data activity
- Current status of data science
- Current status of Inter-disciplinary science
- Industry-academia collaboration, education and capability building
- Legacy data, historical data, future on data science

### Event Schedule:

Public Lecture: Monday 12 November  
Workshop : Tuesday 13 - Thursday 15 November  
Poster Session: Tuesday 13 November  
Visit to NIG: Wednesday 14 November

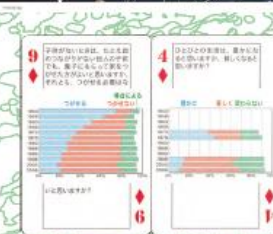
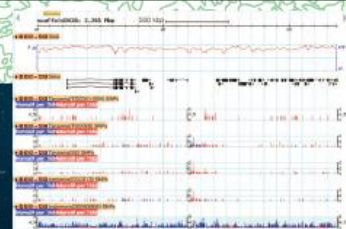
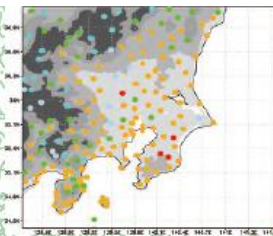
### Important Dates:

Registration & Abstract submission open: 01 July 2018  
Fixing the sessions & program: 31 August 2018  
Abstract submission deadline: 15 September 2018

**Advisory Committee (AC):** P. Bricher, T. De Bruin, S. Christoffersen, H. Enomoto, A. Fujiyama(Chair), Ø. Godøy, K. Hayashi, H. J. Imker, T. Iyemori, Y. Kohara, E. LeDrew, K. S. Mwijtondi, Y. Murayama, T. Odate, M. Parsons, P. Pulsifer, H. Takeda, S. Tsuboi, A. Van de Putte, R. Yoshino

**Local Organizing Committee (LOC):** M. Arita, T. Baba, S. Goto, R. Ikeya, A. Kadokura, M. Kanao (Chair), N. Kato, A. Kitamoto, T. Maeda, M. Minowa, S. Nakano, T. Nakazato, K. Nishimura, H. Noguchi, A. Nomizu, Y. Tanaka, H. Yabuki

Contact Address: data.ws.loc-2018@nipr.ac.jp





# International Workshop on Data Science - Present & Future of Open Data & Open Science -

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[https://ds.rois.ac.jp/article/dsws\\_2018/](https://ds.rois.ac.jp/article/dsws_2018/)



三島市民文化会館 外観



小ホール(ゆうゆうホール)



1F 市民ロビー



遺伝研・DBCLS@三島