

Recent Trends of Social Science Data in Japan

2020-3-19

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Research Center for Open Science and Data Platform (RCOS),

National Institute of Informatics (NII)



About me

- My Job

- As a data librarian

- Sept. 2019 - Present

- National Institute of Informatics, Research Center for Open Science and Data Platform

- Oct. 2018 – Aug. 2019

- The Tokyo Foundation for Policy Research Policy Data Lab

- As an academic librarian

- Sept. 2005 - Sept. 2018

- National Institute of Polar Research Library

- Extra

- July 2007 - Mar. 2008

- Participated 49th Japanese Antarctic Research Expedition (JARE) Summer Party



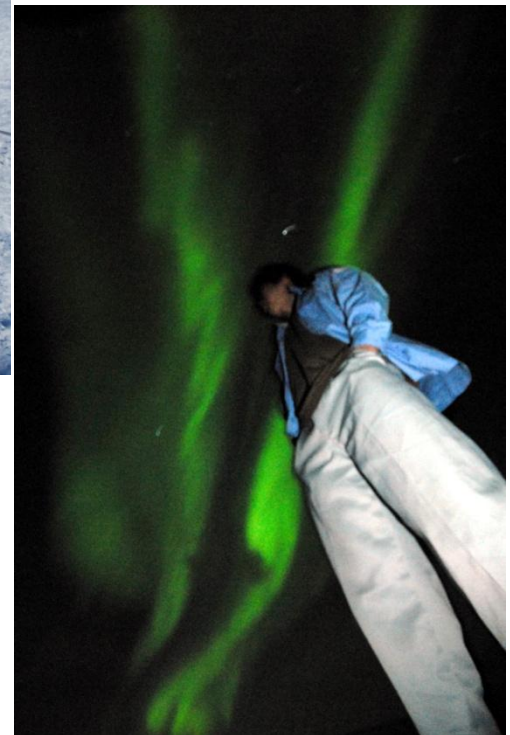
- Expertise

- Metadata Management
 - Research Data Management

http://researchmap.jp/minamiyama_yasuyuki



Library-outside experience



Outline

1. Actual situation of research data sharing in Japan
2. Policy developments in Japan related to open science
3. How to obtain Japanese social science data
4. Japanese activities related to the ensuring of research data management human resources



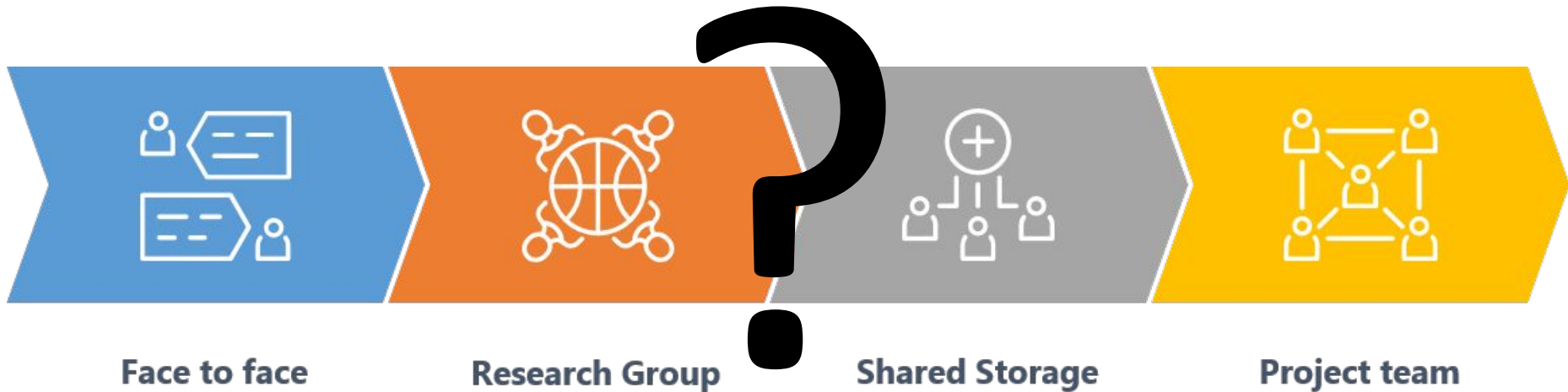
1. Actual situation of research data sharing in Japan

Overview: Types of available data related to social sciences in Japan

	Types of available data	Data archive
Public statistical data	(1) Population census (2) Trade statistics (3) Budgets and financial data	<ul style="list-style-type: none"> • e-Gov • e-Stat • data.go.jp • Statistics Bureau of Japan
Non-public statistical data	Examples: (1) Survey of Japanese People's Life Values (2) Survey on State of New Business Start-ups (3) Some public opinion polls	<ul style="list-style-type: none"> • SSJDA • Keio University Panel Data Center • Rikkyo University Data Archive (RUDA) • Institute of Economic Research, Hitotsubashi University • JGSS etc.



So, how have researchers “actually” been sharing the data?



Insights 1: actual situation of research data sharing (Sociology)

- ***“There is a lot of qualitative data in each researcher’s context, so the culture of data sharing is still unfamiliar”***
 - Background information of data has not been enough verbalized
 - Importance of “human networks” has been emphasized

- ***“There is no mechanism for sharing data. It is the only way that researchers get research data information from conference presentations/published papers/books”***

- **To obtain other researcher’s data:**
 - ✓ Become their graduate student
 - ✓ Propose the joint research after accumulating some achievements



Insights 2: actual situation of research data sharing (Political science) 1/2

- ***“There is a person who is responsible for storing master data in the research group. Our data will be stored in SSJDA after the end of the study, but some data has not been deposited yet for the following reasons:”***
 - No documentation time (it is hard to gather past dissipated data information)
 - Do not understand right processing for newspaper-originated data

- ***“Data sharing is often taking place between researchers, but the response differs depending on the situation”***
 - From a graduate student: contact their supervisor and confirm how the data will be used
 - From a researcher: request an acknowledgment



Insights 2: actual situation of research data sharing (Political science) 2/2

- ***“Secondary analysis is common for my discipline, but it may be faster to make appropriate data myself”***
 - Currently, aggregate data is not be handled by SSJDA
 - There is another problem with whether students can make accurate data...

- **To obtain other researcher’s data:**
 - Contact the research group following their style
 - Look for appropriate data archive



Insights 3: actual situation of research data sharing (Economics)

- ***“I may use public data in my paper, but I want to use the latest data in conference materials”***
 - not yet published on the website such as e-Stat
 - The latest tax statistics can be picked up from the National Tax Agency's Statistical Yearbook (only available in PDF format)

- ***“In some cases, I will contact directly with the person in charge”***
 - They often have accurate and easy-to-use data

- **To obtain appropriate data:**
 - Understand the purpose of use
 - Know how to contact the person in charge



Summary: Research data environment surrounding the social sciences in Japan

- ✓ Data sharing is mainly between research groups. Use of data archives is still limited
- ✓ Some data types are not handled in the data archive (such as aggregated data). There may not be just easy-to-use data
- ✓ You may need to create data by yourself in principle, but it may be effective to contact stakeholders through appropriate routes

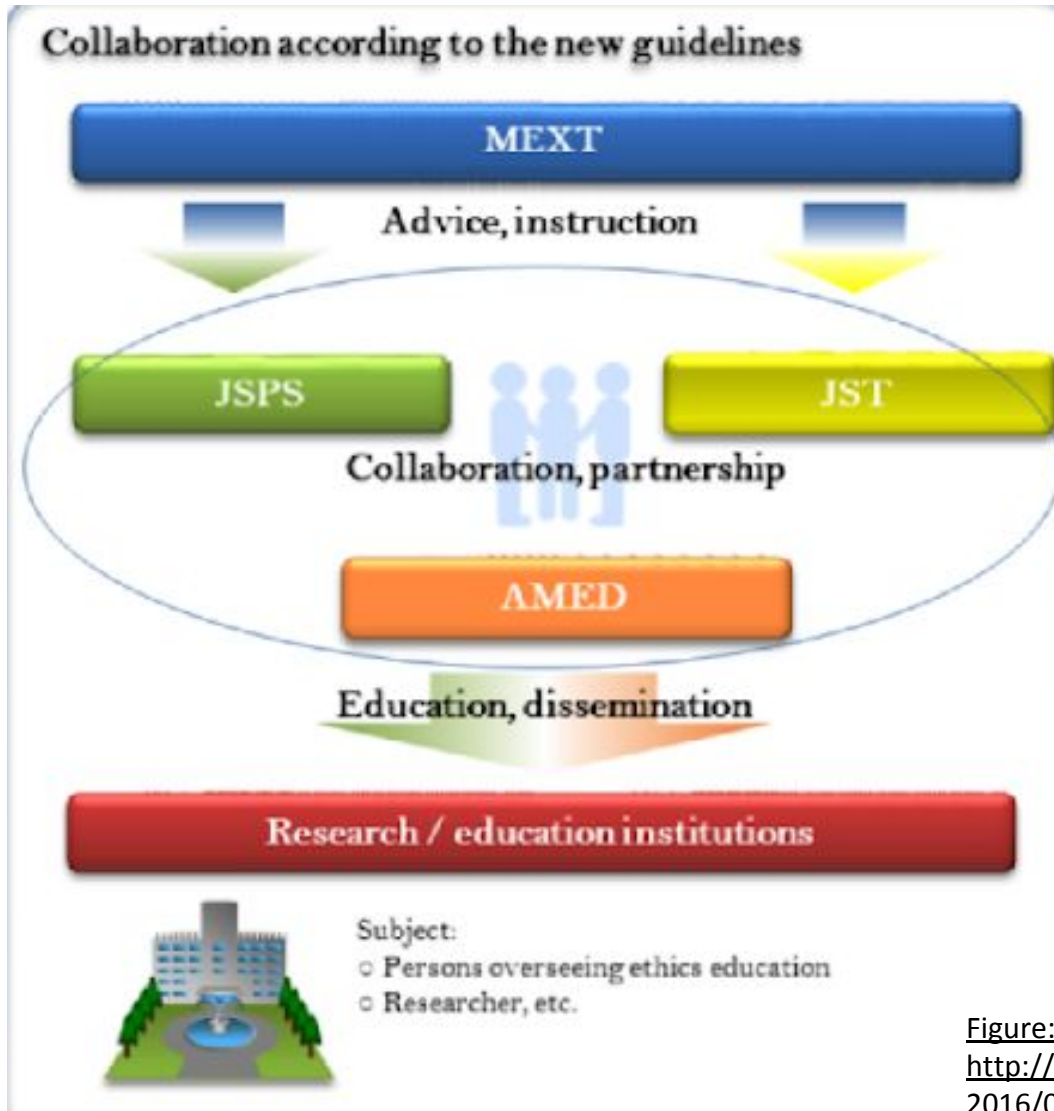


2. Policy developments in Japan related to open science

- March 2015 Cabinet Office, "Promoting Open Science in Japan"
- January 2016 "The 5th Science and Technology Basic Plan"
- February 2016 Council for Science and Technology, "Promoting Open Access to Academic Information"
- July 2016 Science Council of Japan (SCJ), "Recommendations Concerning an Approach to Open Science that Will Contributes to Open Innovation"
- June 2018 Headquarters for Japan's Economic Revitalization, "Growth Strategy 2018 - Reform towards Society 5.0 and Data-driven Society"
- June 2018 Cabinet Office, "Guideline for Establishing Data Policy at National Research and Development Agencies"



National guidelines regarding research misconduct



‘Guidelines for responding to misconduct in research’ (2014.8.26)

- “**Preserving and disclosing research data in research institutions** for a set period”

• JST, AMED - **requires their Data Management Plan** in 2017

• JSPS - under consideration

• Most of university / research institution adopted / corresponded this policy
 “Except for under special circumstances, the preservation period to be stipulated in the preservation plan shall be **at least 10 years** after the presentation of the said research papers”

Figure:

http://www.mext.go.jp/component/english/_icsFiles/afieldfile/2016/02/23/1367533_005.pdf

Integrated Innovation Strategy 2019

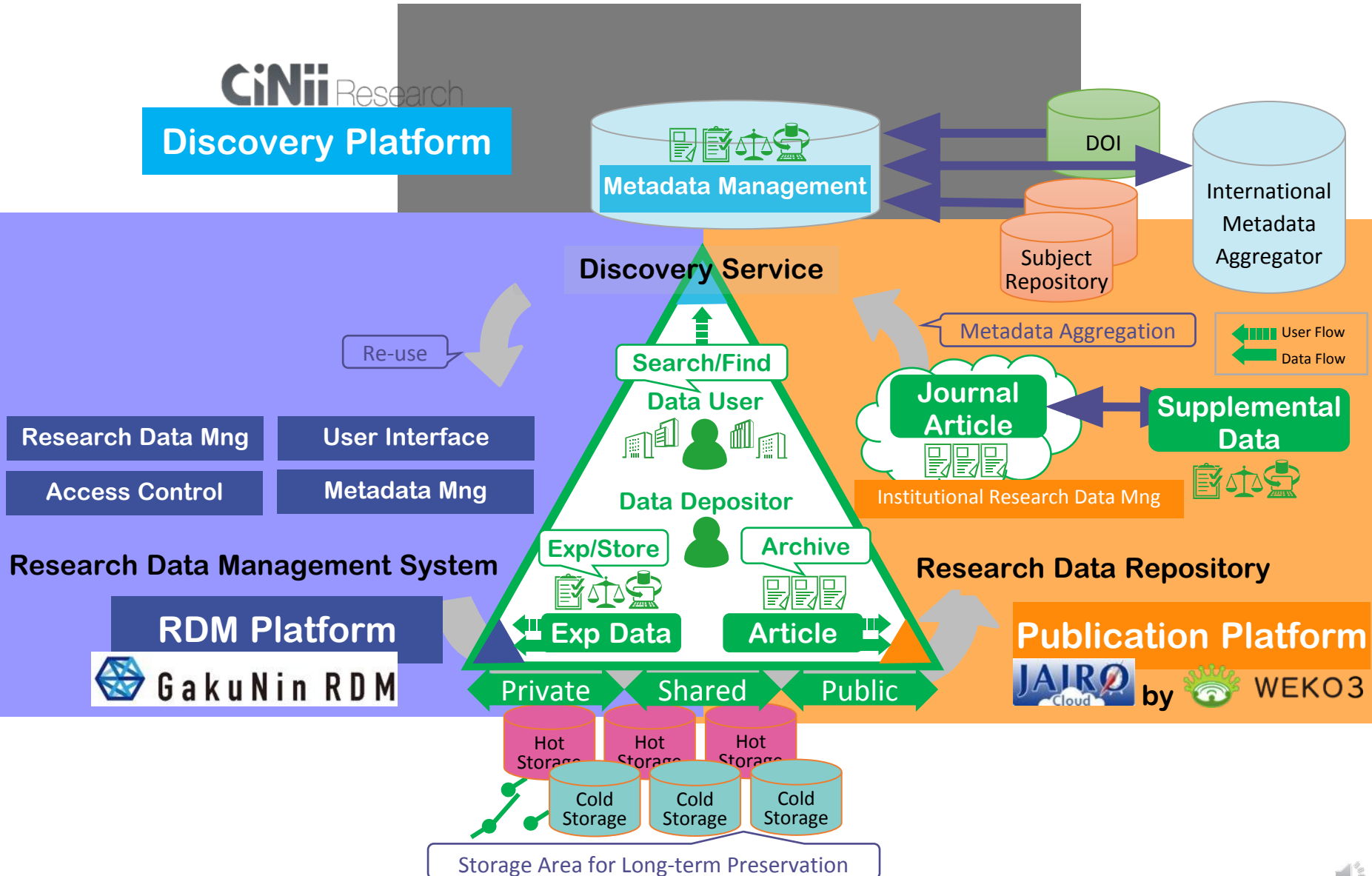
統合イノベーション戦略2019(概要)

- 昨年来、科学技術イノベーションを巡る国外の進展、変化は顕著（次世代に突入したデジタル化、最先端分野のAI技術、バイオテクノロジー、量子技術の目覚ましい進展など）
- これに対し、我が国の論文の質や量については国際的地位が大幅低下、創業を通じた社会実装の力などにおいては未だ低調
- 一方、統合戦略策定後の1年間、大学改革、戦略的研究開発、政府事業・イノベーション化などの取組に進展。一部の世界競争力ランキングにおいては順位を上昇^{*1}など変化の兆しも
- こうした状況を踏まえ、①Society 5.0の社会実装、創業・政府事業のイノベーション化の推進、②研究力の強化、③国際連携の抜本的強化、④最先端（重要）分野の重点的戦略の構築を四つの柱に統合イノベーション戦略2019を策定
- 今後、第6期基本計画策定に向け、国民全体を巻き込んだ幅広い議論を惹起すると同時に、イノベーションの司令塔機能をさらに強化



Development of research data infrastructure and repository by NII and universities/institutions

NII Research Data Cloud



Program to Promote the Construction of Data Infrastructure for Humanities and Social Sciences



JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE

日本学術振興会

文字サイズ変更 小 中 大

サイト内検索 サイトマップ

一般の方へ

研究者/機関担当者の方へ

English

日本学術振興会について

事業のご案内

事業の成果

調達情報

職員採用情報

情報公開

アクセス方法
お問い合わせ

TOP > 事業のご案内 > 人文学・社会科学データインフラストラクチャー構築推進事業

メニュー
MENU

- トップ
- 取組体制
- 公募関係
- 本事業の取組
- 過去の取組（平成30年4月～11月）
- 委員名簿
- 関係規程

JSPS Home

お問い合わせ先
Contact

独立行政法人 日本学術振興会
研究事業部研究事業課
企画・人社係
〒102-0083
東京都千代田区麹町5-3-1
麹町ビジネスセンター7階

人文学・社会科学データインフラストラクチャー構築推進事業

人文学・社会科学研究に係るデータを分野や国を超えて共有・活用する総合的な基盤を構築することにより、研究者がともにデータを共有しあい、国内外の共同研究等を促進することを目指します。

■ 新着情報

- 2019年12月27日 [「人文学・社会科学系学術的調査データの現状に関する調査報告書」を掲載しました。](#)
- 2019年12月27日 [委員名簿を掲載しました。](#)
- 2019年12月27日 [関係規程を掲載しました。](#)
- 2019年10月01日 [「人文学・社会科学データインフラストラクチャー構築推進事業」人文学拠点機関を掲載しました。](#)
- 2019年07月01日 [「人文学・社会科学データインフラストラクチャー構築推進事業」拠点機関の選定にかかる公募要領等を掲載しました。](#)
- 2019年04月09日 [本事業拠点機関の「拠点の概要」を掲載しました。](#)

<https://www.isps.go.jp/j-di/index.html>

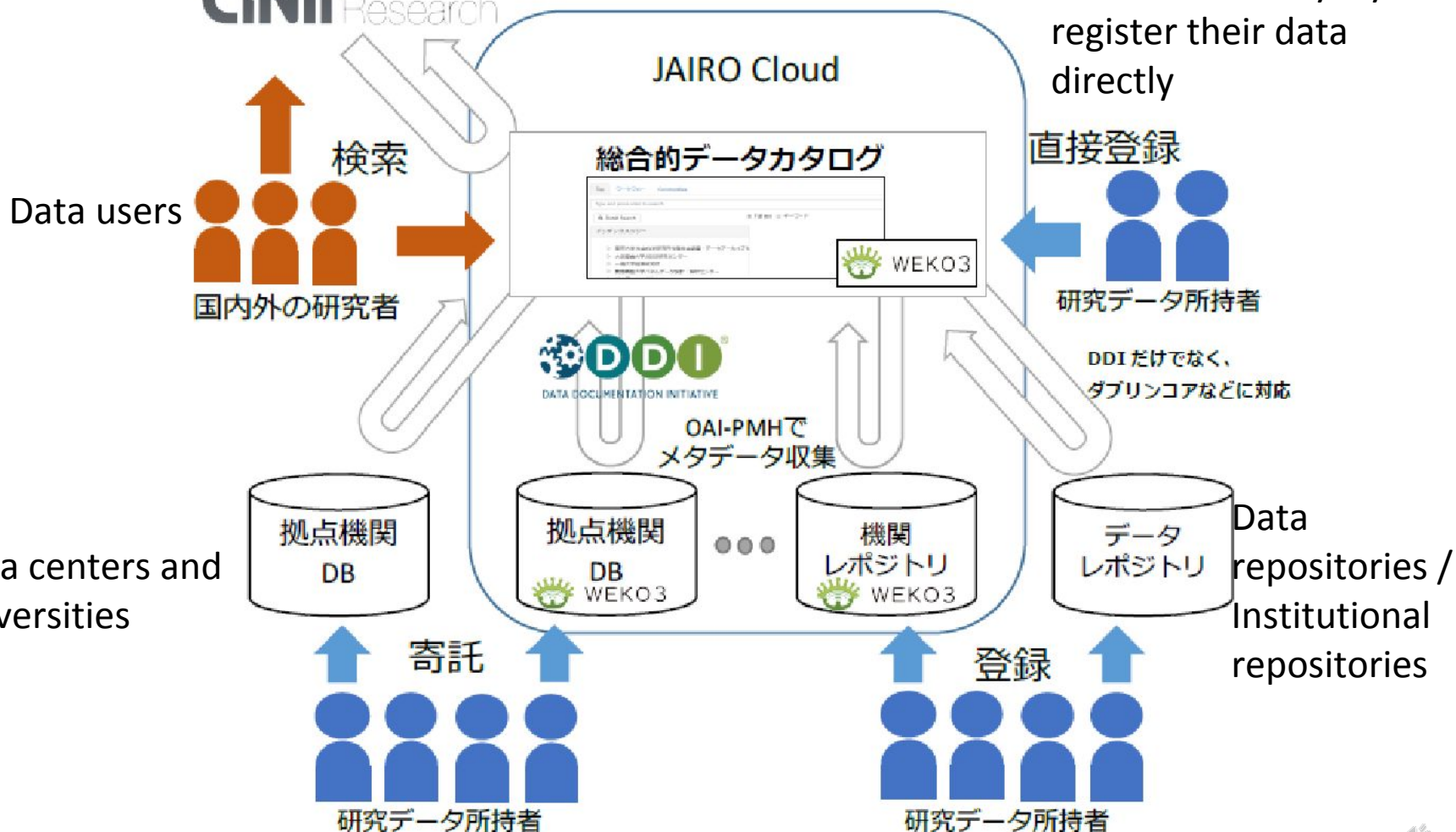


The image of the federate data catalog

platform for discovering
 academic resources

CiNii Research

Researchers may try to
 register their data
 directly



Data held by each data centers / universities

- SSJDA:
 - Provides about 1500 individual survey data
- Hitotsubashi University:
 - Provides mainly processed data of government statistics created in each research project
- Keio University Panel Data Center:
 - Provides some household panel surveys
- JGSS:
 - Provides “Japan General Social Survey” data (regional data)



Interface image (under construction)

WEKO3

Top

WorkFlow

Communities

Type and press enter to search


Full text Keyword

Index Tree

- ▼ Sample Data Repository
 - ▶ New Index
 - ▷ Institute for Quantitative Biosciences
 - ▷ Panel Data Research Center at Keio University
 - ▷ Institute of Economic Research, Hitotsubashi University
 - ▷ JGSS Research Center at Osaka University of Commerce
 - ▷ SSJ Data Archive
- ▶ Contents Type
 - ▷ Faculty of Humanities and Social Sciences
 - ▷ Faculty of Business Sciences
 - ▷ Faculty of Pure and Applied Sciences
 - ▷ Faculty of Engineering, Information and Systems
 - ▷ Faculty of Life and Environmental Sciences
 - ▷ Faculty of Human Sciences
 - ▷ Faculty of Health and Sport Sciences
 - ▷ Faculty of Art and Design
 - ▷ Faculty of Medicine
 - ▷ Faculty of Library, Information and Media Science


Index List

Sample Data Repository <1569505666479>


 SSJ Data Archive <1569505650817>

 JGSS Research Center at Osaka University of Commerce <1569979259543>

 Institute of Economic Research, Hitotsubashi University <1569979260320>

 Panel Data Research Center at Keio University <1569979676486>

 Institute for Quantitative Biosciences <1570161999893>

 New Index <1570232891360>

Item Lists

Sample Data Repository

 Export



3. How to obtain Japanese social science data:

Pattern of research data publishing

Independent

Data/dataset and metadata are published at data repository

Supplemental

Data/dataset are published accompanying the paper

Data paper

Data paper is published accompanying the data/dataset

data presented within the paper
 # data presented at data repository

Before introduction... Caution!!



English pages on the Japanese website often have less information and update slowly



General catalog (for data librarians)



Information for general statistics

[Contents of this document](#)

- Precautions for use
- Japanese statistical yearbook full text
- Correct information
- "Japan Statistical Yearbook" 120 times

[contact information](#)

Japan Statistical Yearbook

The 69th Japan Statistical Yearbook
JAPAN STATISTICAL YEARBOOK 2020

The Japan Statistical Yearbook is a comprehensive and systematic collection of basic statistical data covering a wide range of fields, including Japan's land, population, economy, society, and culture.

Basic data is selected and edited from statistical surveys, operational statistics, and processing statistics conducted or prepared by government agencies and private research organizations in Japan.

The 69th session consists of **30 fields and 540 statistical tables**. At the beginning of each chapter, an overview of statistical research and explanations of terms are provided.

Statistical tables are also available in English, so they can be used to introduce Japan overseas.



[You can read the full text from here.](#)

Contains Japanese public and private statistics in various fields (such as Japan's land, population, economy, society, and culture)

Also available for looking up statistics by related keywords

Unfortunately, you can download only PDF file
-> You can use e-Stat



English translated by google:
<http://www.stat.go.jp/data/nenkan/index1.html>



Search by category (for data librarians)

Research-Navi

リサーチ・ナビ
国立国会図書館

思いついたキーワードを入れてください

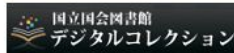


リサーチ・ナビについて

リサーチ・ナビの使い方

国立国会図書館に行く

図書館にきく



Top > Economy, Society, Education

Economics, Society, Education

This page introduces tools for finding information on economics, society, and education.

How to check

You can search by keyword for search guides that introduce related information sources.

 Search

Economic and social fundamentals

- ▶ [Examine statistics](#)
- ▶ [Examine the roster](#)
- ▶ [Investigate land](#)
- ▶ [Phone book](#)
- ▶ [time table](#)
- ▶ [poll](#)

Economy and industry

- ▶ [Investigate economy, finance and finance](#)
- ▶ [Find a company](#)
- ▶ [Industry Information Guide](#)

Society, labor, education, sports

- ▶ [Investigate society](#)
- ▶ [Examine labor](#)
- ▶ [Check education](#)
- ▶ [Investigate sports](#)

Visit and check

- ▶ [Science and Technology Information Room](#)
- ▶ [In-house contract database for economic, social and educational fields](#)

Related organizations / sites

- ▶ [Japan External Trade Organization \(JETRO\)](#)
- ▶ [National Institute for Educational Policy Research, Education and Research Information Center Education Library](#)
- ▶ [Comprehensive window for government statistics \(e-Stat\)](#)
- ▶ [EDINET](#)

Examination method: By field

- ▶ [Information related to reconstruction support for the Great East Japan Earthquake](#)
- ▶ [Science and technology](#)
- ▶ [Economics, Society, Education](#)
- ▶ [Politics, law, administration](#)
- ▶ [Humanities / General](#)
- ▶ [Asian countries](#)

English translated by google:
<https://rnavi.ndl.go.jp/business/index.php>



Academic data archive : example 1 (SSJDA)

SSJDA Direct
Social Science Japan Data Archive

Japanese

Center for Social Research and Data Archives,
Institute of Social Science, The University of Tokyo

Log In

User's Manual

Notice

- * A part of the answers of additional sample in PM060, PM070, PY060 and PY070 data (DQ46- DQ49_2Z) has been revised.
- * "National Family Research of Japan" data are available for the purpose of education.
- * From 1 March 2016, all data usages by undergraduate students are available through applications for educational purposes by faculty members.
- * Permission to download is valid for 30 days after the day such permission is granted. To download data after this date, please re-apply for permission to download.
- * When using the data for educational purposes, the data usage period is one year. It is possible to get student list from "Applying for Data Use".
- * Direct any questions to SSJDA-Direct at ssjda-direct@iss.u-tokyo.ac.jp.

* Users who already have user IDs, log in here.

user ID (e-mail address):

Password:

Log In

[I forgot my password.](#)

* New User Registration

Create New Account

- User manual

You can find both data and secondary analysis paper

Data Search Output Search

Sort by:
Survey No. (in ascending order)

Search Reset

* Click on the survey title to display a description of the data.

<< < 1 2 3 4 5 6 7 >> Total: 1408

Survey No.	Survey Title	Depositor (Former Name)	Topic	Nesisfar
0001	Labor Market Research among New Graduates / Junior High School, 1952	Institute of Social Science, The University of Tokyo	Employment/Labor	--
0002	Fact-finding Survey on Wage Setting among Small and Medium-sized Enterprises, 1995	Research Institute for Advancement of Living Standards	Employment/Labor	--
0003	Survey on Young Workers' Professional and Academic History, 1995	Research Institute for Advancement of Living Standards	Education/Learning Employment/Labor	--
0004	Questionnaire Survey on Daily Life among Elementary and Junior High School Students, 1995	Research Institute for Advancement of Living Standards	Society/Culture Education/Learning	--
0005	Questionnaire Survey on Volunteer Activities, 1995	Research Institute for Advancement of Living Standards	Society/Culture Security/Crime/Disaster	--
0006	Survey on Career Formation among Female Workers with More than Five Years of Experience and the Actualities of the Implementation of Human Resource Policies, 1995	Research Institute for Advancement of Living Standards	Employment/Labor	--
0007	Survey on the Retirement Allowance System, 1995	Research Institute for Advancement of Living Standards	Employment/Labor	--

<https://ssjda.iss.u-tokyo.ac.jp/Direct/?lang=eng>

Academic data archive : example 2 (Dataverse)

The screenshot shows the Harvard Dataverse website interface. At the top, the Harvard logo and 'Dataverse' name are on the left, and navigation links like 'Add Data', 'Search', 'About', 'User Guide', 'Support', 'Sign Up', and 'Log In' are on the right. Below the header, there's a 'Metrics' section showing '11,504,219 Downloads'. A search bar contains the word 'Japanese', which is highlighted with a red box. To the right of the search bar are 'Find' and 'Advanced Search' buttons, and an 'Add Data' button. On the left side, there are filters for 'Dataverses (10)', 'Datasets (577)', and 'Files (409)'. Below these are sections for 'Dataverse Category' (Researcher, Research Project, Journal), 'Metadata Source' (Harvested, Harvard Dataverse), 'Publication Year' (2015, 2011, 2019, 2008, 2018), and 'Subject' (Social Sciences, Arts and Humanities, Earth and Environmental Sciences, Computer and Information Science, Medicine, Health and Life Sciences). The main content area shows '1 to 10 of 996 Results'. The first result is 'Replication Data for Politics, markets, and rare commodities: responses to Chinese rare earth policy' from the 'Japanese Journal of Political Science', dated Aug 1, 2019. It includes a citation for Vekasi, K. (2019) and a DOI link. The second result is a description of the 'Japanese Journal of Political Science' (Cambridge University Press), dated Sep 17, 2018, explaining it's a peer-reviewed journal. The third result is 'Replication Data for: Personal Votes, Electoral Competitiveness of Parties, and Legislative Representation in Taiwan under SNTV.' from the 'Japanese Journal of Political Science', dated May 9, 2019, with a citation for Jang, Jinhyeok; Lin, Nick (2019) and a DOI link. The fourth result is 'Replication Data for: Pitting prime minister cues with party cues in a multiparty system: a survey experiment in Japan' from the 'Japanese Journal of Political Science', dated May 20, 2019.

<https://dataverse.harvard.edu/dataverse/harvard>



How to look for the paper's evidence data

Cambridge Core

Search all journal & book content

Home > Journals > Japanese Journal of Political Science > Volume 21 Issue 1 > Disentangling the relationship ... > Core reader

English | Français

Disentangling the relationship between sociotropic and egotropic trade attitudes: A survey experiment in Japan

Information:

Access

Cited by 1
Japanese Journal of Political Science,
Volume 21, Issue 1
March 2020, pp. 31-42

Abstract

Public support for protection is typically attributed to economic self-interest. Beyond pocketbook anxieties, a competing approach, however, contends that sociotropic attitudes dictate foreign policy preferences. Researchers, however, have faced difficulty in disentangling sociotropic attitudes from pocketbook concerns in observational studies. This article addresses this problem by utilizing a priming experiment to examine the relationship between socio and egotropic attitudes. In line with the predictions of the

Supplementary material

The supplementary material for this article can be found at <https://doi.org/10.1017/S1468109919000124> and <https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/KZK409>

HARVARD Dataverse

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jpps JAPANESE JOURNAL of Political Science

Japanese Journal of Political Science (Cambridge University Press) Journal website

Harvard Dataverse > Japanese Journal of Political Science >
Replication Data for: Disentangling the relationship between sociotropic and egotropic trade attitudes: A survey experiment in Japan.

Contact Share

Replication Data for: Disentangling the relationship between sociotropic and egotropic trade attitudes: A survey experiment in Japan.

Version 1.0

Hearn, Eddie, 2019, "Replication Data for: Disentangling the relationship between sociotropic and egotropic trade attitudes: A survey experiment in Japan.", <https://doi.org/10.7910/DVN/KZK409>, Harvard Dataverse, V1, UNF:6.1zT1rGStCkoh/zsb/zHwA== [fileUNF]

Cite Dataset

Learn about Data Citation Standards

Dataset Metrics

4 Downloads

Description

Replication data for Disentangling the relationship between sociotropic and egotropic trade attitudes: A survey experiment in Japan.

Subject

Social Sciences

<https://doi.org/10.1017/S1468109919000124>



Data paper/Data journal

Download PDF Share Export



Data in Brief
Volume 25, August 2019, 104001



Data Article

An FAQ dataset for E-learning system used on a Japanese University

Yasunobu Sumikawa, Masaaki Fujiyoshi

Show more

<https://doi.org/10.1016/j.dib.2019.104001>

Under a Creative Commons license

Data source location	This dataset is stored in Zenodo. Its URL is https://doi.org/10.5281/zenodo.2783642 .
Data accessibility	Zenodo is a public repository.

Abstract

In this data article, we present an FAQ dataset written in Japanese and its translation to English in order to train chatbot models for e-learning systems. We first collected raw Q&A data reported as the difficulties from April 2015 to July 2018 by users of the e-learning system introduced at Tokyo Metropolitan University. We then divided them into 11 categories according to features provided by the e-learning system. Finally, we integrated questions with the same answers in order to create the FAQ form. The dataset contains 427 questions and 79 answers that were examined by experts with experience in using the e-learning system for more than three years. Using this dataset, we performed statistical analyses to evaluate the qualities of the FAQ dataset. The proposed applications of the dataset include not only academic research but also activities; for example, translating from Japanese to



April 25, 2019

Dataset Open Access

Japanese FAQ dataset for e-learning system

Yasunobu Sumikawa, Masaaki Fujiyoshi, Hisashi Hatakeyama, Masahiro Nagai

This dataset includes FAQ data and their categories to train a chatbot specialized for e-learning system used in Tokyo Metropolitan University. We report accuracies of the chatbot in the following paper.

Yasunobu Sumikawa, Masaaki Fujiyoshi, Hisashi Hatakeyama, and Masahiro Nagai "Supporting Creation of FAQ Dataset for E-learning Chatbot", *Intelligent Decision Technologies, Smart Innovation, IDT'19, Springer, 2019, to appear.*

Yasunobu Sumikawa, Masaaki Fujiyoshi, Hisashi Hatakeyama, and Masahiro Nagai "An FAQ Dataset for E-learning System Used on a Japanese University", *Data in Brief, Elsevier, in press.*

This dataset is based on real Q&A data about how to use the e-learning system asked by students and teachers who use it in practical classes. The duration we collected the Q&A data is from April 2015 to July 2018.

We attach an English version dataset translated from the Japanese dataset to ease understanding what contents our dataset has. Note here that we did not perform any evaluations on the English version dataset; there are no results how accurate chatbots responds to questions.

File contents:

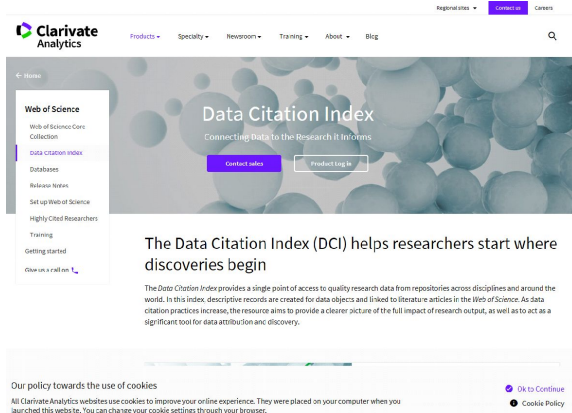
- FAQ data (*.csv)
 1. Answer2Category.csv: Categories of answers.
 2. Answer2Tag.csv: Titles of answers.
 3. Answers.csv: IDs for answers and texts of answers.
 4. Categories.csv: Names of categories for answers.
 5. Questions.csv: Texts of questions and their corresponding answer IDs.
 6. Answers_english.csv: IDs for answers and texts of answers written in English.
 7. Categories_english.csv: Names of categories for answers and their corresponding English names.
 8. Questions_english.csv: Texts of questions and their corresponding answer IDs written in English.

<https://doi.org/10.1016/j.dib.2019.104001>

<https://doi.org/10.5281/zenodo.2783642>



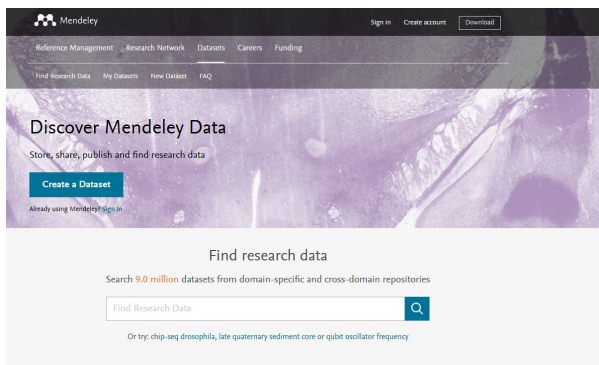
Other possibilities



Clarivate Analytics. Data Citation Index
http://wokinfo.com/products_tools/multidisciplinary/dci/



Data Cite. DataCite
<https://search.datacite.org/>



Elsevier. Discover Mendeley Data
<https://data.mendeley.com/>



IRDB.
<https://irdb.nii.ac.jp/en>



Ref: useful databases/links

"The World and Japan"
National Graduate Institute
for Policy Studies (GRIPS)
Akihiko Tanaka
Professor, International
Relations

The University of Tokyo III/GSII
Shiro HARADA
The University of Tokyo IASA
Yasuhiro MATSUDA
Kyoto Sangyo University
Kazuya YAMAMOTO

[The World and Japan \(HOME\)](#)
[Today in History \(J\)](#)
[20th Century Quiz \(J\)](#)

■ [Chronology of the 20th and 21st Centuries \(J\)](#)

<http://worldjpn.grips.ac.jp/indexPC-ENG.html>

English translated by Google:

https://www.nistep.go.jp/research/scisip/data-and-information-infrastructure/datalink_country_detail

▶ [\[Japan\] Survey on activities related to science and technology by incorporated administrative agencies and national university corporations](#)

[Human resources] [R & D funding] [Scientific knowledge] [Intellectual property] [Innovation]



If still not found...

- **Ask a librarian!**

- (Probably) Japanese university library staff will respond flexibly
- If you can request via the Japanese university library, you may be processed quickly

- When you contact other than library, please use Japanese

- Some governmental departments may not even be read your message...



4. Japanese activities related to the ensuring of research data management human resources

Issue: Lack of Research Data Management Staff in Japan

Table. Status of Research Data Management Planning in Academic Institutions in Japan (N = 151) 1)

We mandate researchers to submit data management plan	0.0%
We encourage researchers to write data management plan	11.9%
We don't know DMP	41.1%
Other	2.6%
No answer	4.0%
Total	100%

- Librarians are good at handling academic papers
 - (e.g. such as managing institutional repositories)
- However, few librarians have research data management skills.

Development of human resources to support RDM is necessary to promote research data activity

1) Keiko KURATA, Mamiko MATSUBAYASHI, Masaki TAKEDA, Research data management in Japanese universities and research institutions: Status report based on questionnaire survey, Journal of Information Processing and Management, 2017–2018, Volume 60, Issue 2, Pages 119–127.
<https://doi.org/10.1241/johokanri.60.119>

Development of RDM training courses

Our efforts to develop RDM training courses with JPCOAR



It's me!

- Nii and JPCOAR have developed RDM training material named “RDM training tool” since 2015.
- JPCOAR’s Main activities about RDM
 - **Development of training materials**
 - Rescue of the databases
 - Aggregate and analyze RDM case study

First, We started developing RDM training materials.

Japan Consortium for Open Access Repository (JPCOAR)

JPCOAR is the consortium of academic institutions operating institutional repositories.

Japan Associations of Universities

Chair

Auditors

JPCOARE Partners



Universities

- Launched in July 2016
- 629 member institutions as of January 2020
- <https://jpcoar.repo.nii.ac.jp/>

Japanese University Libraries

Steering Committees

Training working group

PR working group

Operation working group

Board Committee

Task forces

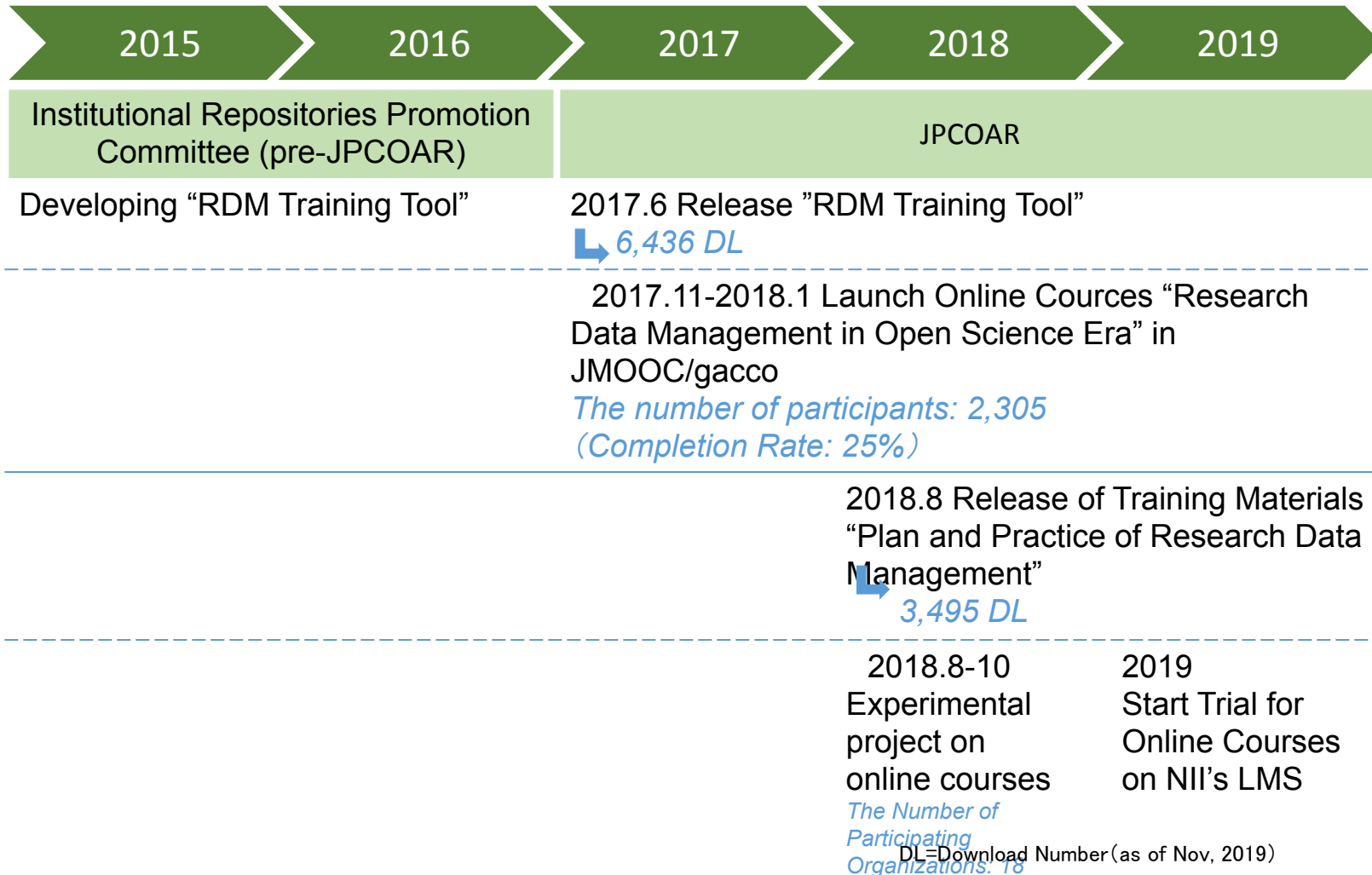
Administration Office

NII



JPCOAR works with NII in the operation JAIRO Cloud and activities wanted to open science.

Short History of Our Activities



1st RDM Training Tool

Slide-based Training Materials on RDM basics

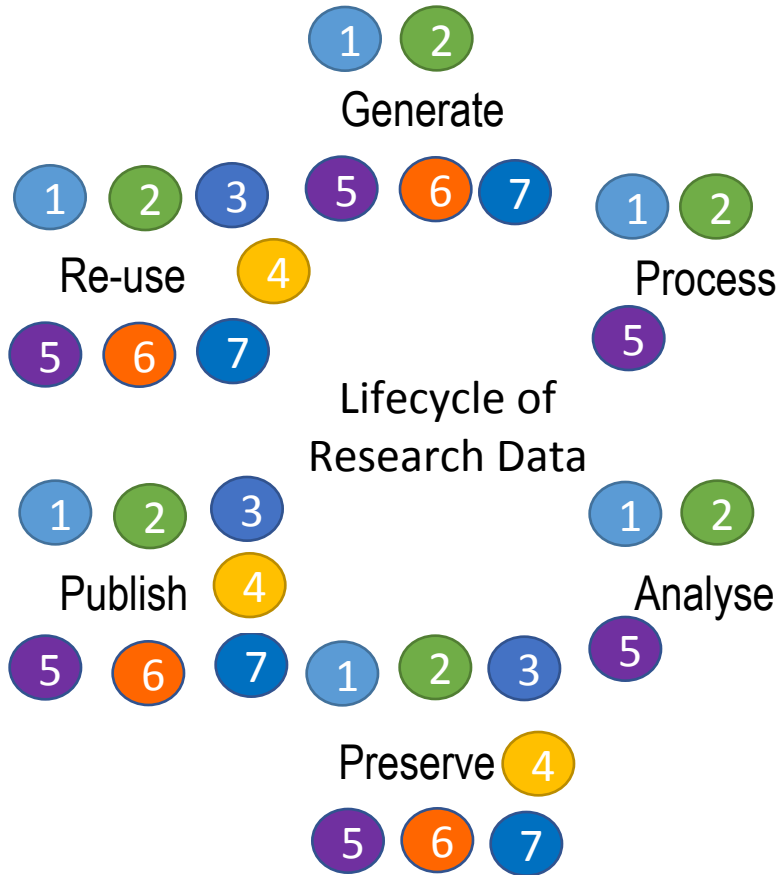


- Training materials that provide a comprehensive understanding of research data (Total of 7 chapters)
- Licensed Creative Commons 4.0 Attribution (CC-BY)
- <http://id.nii.ac.jp/1458/00000023/>

We provide training materials

for people with no experience in RDM

Lifecycle of Research Data and RDM Training Tool



- 1 Chapter 1: Introduction
- 2 Chapter 2: Data Management Plan
- 3 Chapter 3: Preservation and Sharing
- 4 Chapter 4: File Management, Documentation and Metadata Generation
- 5 Chapter 5: Laws and Ethical Issues
- 6 Chapter 6: Policies
- 7 Chapter 7: Designing Research Data Management Service

• The UK Data Archive
 (<http://www.data-archive.ac.uk/create-manage/life-cycle>)
 • RDM Support - basic training course for information specialists
 (<http://dx.doi.org/10.6084/m9.figshare.1285313>)



Development of Online Training Course for RDM Supporters (2018)

Launch MOOCs with RDM Training Tools

2,305 enrollments



<https://www.nii.ac.jp/service/jmooc/rdm/>

- from November 15, 2017 to January 15, 2018
- Available on MOOCs platform "gacco"
- RDM training tool reorganized to 4 weeks of learning
- Video learning, quiz, and Q & A through bulletin boards

Our online training course enables people are interested in RDM

2nd Training Materials: “Plan and Practice of RDM Services” (2017)

RDM Supporter Specific Training Materials

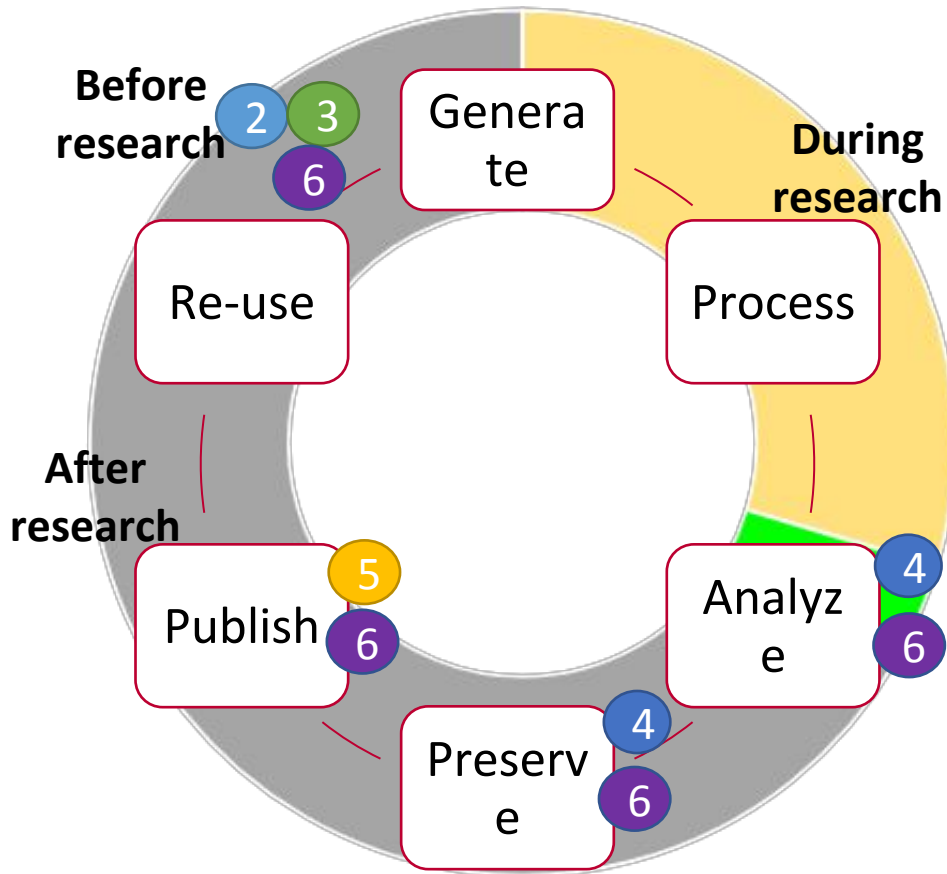


- Practical training materials for librarians supporting RDM services
- Include contents on how to design and operate RDM services
- The training materials are arranged according to general research process.
<http://id.nii.ac.jp/1458/00000107/>

We helped RDM supporter acquire practical knowledge and skills for RDM services

[Re-organized] Lifecycle of Research Data and Practical RDM Training Tool

[Research Data Lifecycle]



Chapter 1: Introduction

2 Chapter 2: Service Design

3 Chapter 3: Support before research

4 Chapter 4: Support during research

5 Chapter 5: Support after research

6 Chapter 6: Guides & Tutorials

- The UK Data Service, Research data lifecycle
<http://www.data-archive.ac.uk/create-manage/life-cycle>
- Mariette van Selm, RDM Support - basic training course for information specialists
<http://dx.doi.org/10.6084/m9.figshare.1285313>



New Online Training Course for RDM Supporters

on-going !

RDM online courses on NII education Platform



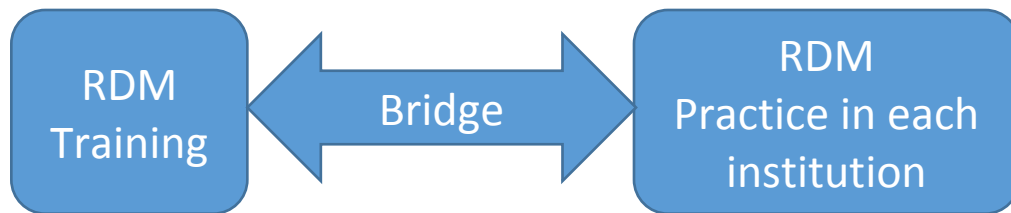
- NII launched Moodle as **own** Education Platform
- Mounted existing **2** training materials (RDM basics & Designing RDM services)
- The platform enable institutions to monitor RDM training of their staff

We intend to leverage training materials for institutional RDM training

3rd RDM Training Tool: for Early Career Researcher and Graduate Students

on-going !

We are restructuring existing materials for early career researchers and graduate students



1. **Context-based training materials**

- TF members survey detailed their researcher's actual environment and needs

2. **Modularize existing training tools**

- Provide existing training tools in module (an easily customizable form) at each institution
- Examine how training materials should be easily embedded in the context of each institution

Looking at RDM training for researchers from the standpoint of providing a foundation for open science

Summary: our RDM training tool activities

#		Target	Skill
1	1 st RDM Training Tool	People interested in RDM	RDM Basics
2	Online Course: Research Data Management in the Open Science Era	People interested in RDM, RDM Basics	RDM Basics
3	2 nd Training Materials “Plan and Practice of Research Data Management”	RDM supporters in academic institutions	RDM Basics + Designing RDM Services
4	Trial for Online Courses on NII’s LMS (on-going)	RDM supporters in academic institutions	RDM Basics + Designing RDM Services
5	3 rd RDM Training Tool for Early Career Researcher and Graduates (on-going)	Researcher and Graduate Students	Curated RDM Basics + α



Special Thanks:

- * Yukio Maeda (University of Tokyo)
- * Ui Ikeuchi (Bunkyo University)
- * Makoto Asaoka (National Institute of Informatics)

Thank you!

Next, I will introduce the online questionnaire survey during Feb. 12 to Mar. 4, 2020...

