Japan Link Center (JaLC, RA in Japan) and its activities

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科学技術振興機構



1. STI in Japan and JST



About 6th STI Plan of Japan



Establish new research system (Open Science and Data driven research etc.)

- Utilization of research data, promotion of smartlabo and AI.
- Share of research facilities and new research env. by the research DX

https://www8.cao.go.jp/cstp/siryo/haihui053/haihu-053.html



About JST

About JST

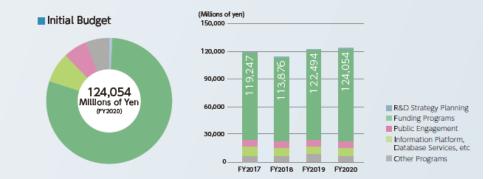
JST plays a central role in Japan's Science and Technology Basic Plan. Based on science and technology targets issued by the government we fund strategic basic research, academia-industry collaboration and technology transfer, and in recent years promote international joint research and the fostering of next generation human resources. JST also provides information services supporting R&D activities. Our comprehensive contribution stimulates real progress in science and technology and helps tackle a variety of social issues.

We continue to strengthen our close relationships with universities, research institutes and industry inside and outside Japan, create collaborative science and technology innovation and ensure the sustainable development of our society.

#The Science and Technology Basic Plan, based on the Science and Technology Basic Law enacted in November 1995, aims to comprehensively and systematically advance Japan's science and technology policy. The government formulates the basic plan based on forecasts for the next decade, putting into effect science and technology policias over a 5-year period.



4th Mid-to-Long term Plan (FY2017 - 2021)





As a network-based research institute, JST promotes research and development leading to innovation and address economic & social issues throughout the implementation of research results and international joint researches.

- · Strategic Basic Research
- · International Collaborations
- · Industry-Academia Collaboration and Technology Transfer



Throughout dialogue with stakeholders and data analysis, JST formulates R&D strategies toward the future.



Promoting dialogue with various stakeholders toward co-creation of a future society. JST also fosters next generations talents in the fields of S&T as well as human resources who can contribute to S&T innovation.

- Promotion of "Science in/for Society"
- · Fostering the Next Generation Human Resources
- Miraikan



About JST

Japan Information Platform for S&T

JST provides information services supporting R&D activities. JST collects and organizes information on research articles, researchers, patents etc., and develops an infrastructure for providing access to the information. JST is also involved with Open Science activities aligned with the international trend.

J-STAGE



Full-text academic articles of over 3,000 titles issued by over 1,600 institutions in Japan

researchmap



Used by 240 institutions in Japan. Registered information of over 300,000 researchers available.

J-GLOBAL



10 types of scientific and technical information linked together available Articles: 50M or more Patents: 13M or more

Japan Link Center



Members: Approx. 50 Inst. Associate members: Over 2,000 Inst. Over 8M registered DOIs

NBDC



Information from over 2,400 life science databases in Japan and overseas

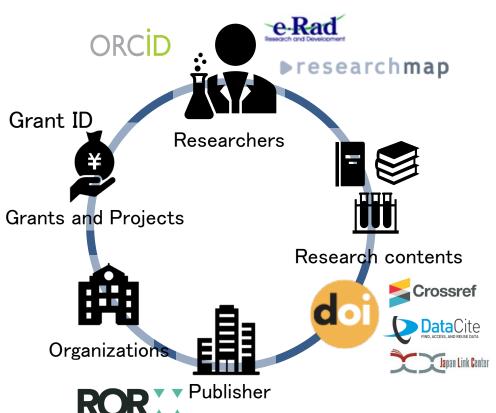
JDream III



Scientific and technical literature information database for higher level professionals Provided by: G-Search Ltd.

Researcher's activities and PIDs

- Submit new papers to publishers
- Apply to new research grants and new positions
- Report his/her outputs to FAs and/or belonging organizations



PIDs may help:

- ✓ Access to information
- ✓ Facilitate to distribute research contents
- ✓ Improve data's reliability, etc...

2. About DOI



About DOI

DataCite

DOI Foundation

- Founded in 1998
- Manage Registry Agencies: RAs
- Make policy





Registration Agencies; RAs

- Register DOIs by their policy
- Register DOI Prefix and keep DOI
- Manage DOI registrants
- Publicize DOI system

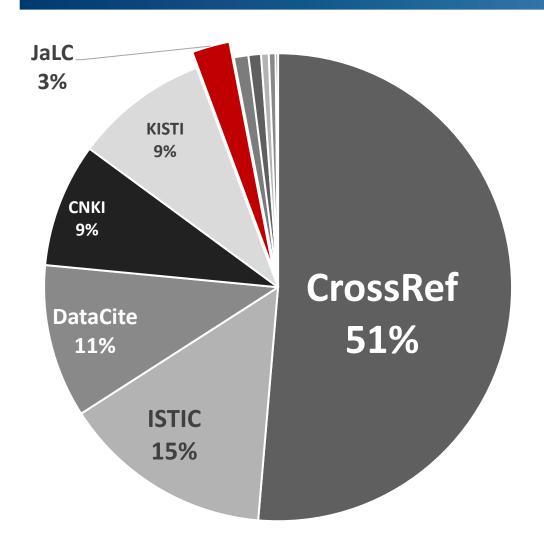








About DOI



Registered DOIs in Total 238,953,047 (Jan. 18, 2021)

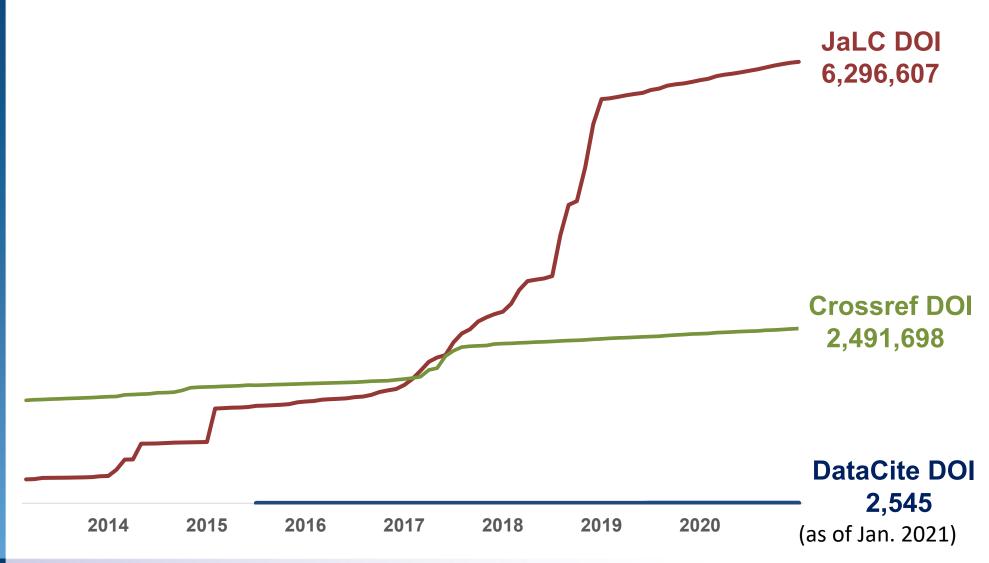
3. About Jalc Xiapan Link Center



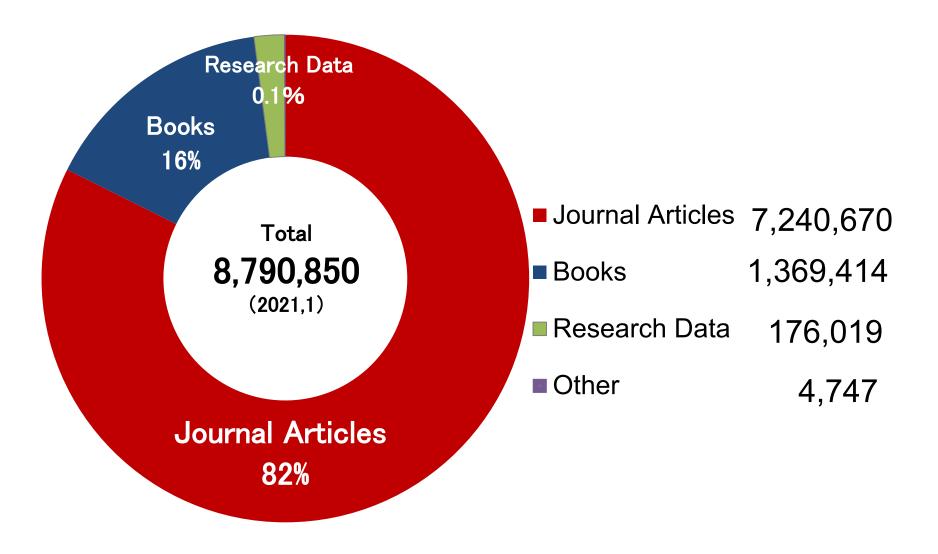
About Japan Link Center (JaLC)

- Registration Agency (RA) in Japan since 2012
- DOIs for Journal Articles, Books, Research Data, e-learning
- Governance: 4 institutions jointly administer JaLC
 - ✓ Japan Science and Technology Agency (JST)
 - ✓ National Institute for Materials Science (NIMS)
 - ✓ National Institute of Informatics (NII)
 - ✓ National Diet Library (NDL)
- 57 Regular Members and 2,434 Assoc. Members

Numbers of DOIs via JalC



DOI registration count by content



JaLC Strategy (2017-2022)

Strategic goals

- To promote utilization of DOI and Metadata
- To enhance international cooperation
- To expand contents category (IDs for various research resources)
- > To contribute to the open science
- To encourage community development

Action Plans

- Make Metadata usage ease and enrich the Metadata search
- > Cooperation with other ID services for research activities e.g. ORCID
- > Flexible system development fitting to actual research environment
- > Investigation of needs and making up guidelines for IDs in various research situations
- Promote communication among multiple stakeholders (researchers, institutions, libraries, publishers, etc.)

New function with ORCID



- Released a new function this spring
- Connect ORCID & JaLC

About ORCID



A globally unique and open identifier for researchers



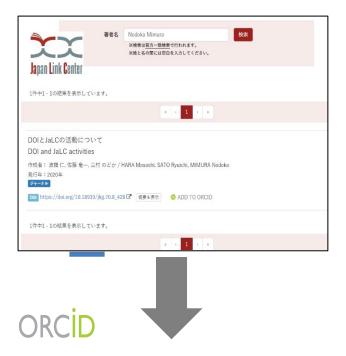
Researchers share their iD with organizations during regular research workflows



A place to store and share the resulting connections between iDs and research activities and affiliations

https://orcid.org

JaLC new function with ORCID





- ✓ Add your works information from JaLC to ORCID Record
- ✓ Do easily in only 3 steps!
- √ 2 ways to add your works
 - Auto-Update
 - Search & Link

3 points:

- Can be done with ease
- Information with accuracy
- Save Time

Current situation of the New function

- Search & Links: 4,000~ counts
- Login to JaLC thru ORCID my page: 10,000~ counts
- Auto-Update still very few users

Further information:

https://japanlinkcenter.org/top/index.html

Future Perspectives

- More services utilizing DOIs
- Connect DOI with other PIDs
- Reduce researcher's burden
- Bring a better research environment

Thank you for your attention!



