Funding data workflow at JST
efficiency, accuracy, and compliance with rules

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About JST

Cabinet Office
Council for Science, Technology and Innovation (CSTI)
- Investigation and discussion on basic policy relating to science and technology
- Investigation and discussion on guidelines on budgetary/personnel research allocation
- Evaluation of nationally important R&D

Promotes STI with creative R&D
Maximizes outcomes as a funding agency.

Prime Minister

Ministry of Education, Culture, Sports, Science & Technology (MEXT)
(National organization for policymaking and decisions)

National organization for implementing the policy

JST

Industries
Companies, Organizations, etc.

Research Institutes
Universities, Cooperate entity of implementing R&D, etc.

Japan Science and Technology Agency

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

Initial Budget
124,054 Millions of Yen (FY2020)

Funding Programs 81%
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

Public Engagement 6%
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

Information Platform and Database Services, etc. 7%

R&D Strategy Planning 1%
Throughout dialogue with stakeholders and data analysis, JST formulates R&D strategies toward the future.

Other Programs 5%
JST Policy on Open Science

- JST Policy on Open Access to Research Publications and Research Data Management (April 1, 2017)

- JST Policy on Open Access to Research Publications and Research Data Management

  I. Open Access to Research Publications
      → required to be made publicly available in principle.

  II. Handling Research Data
      - Development of Data Management Plan
        → required to develop a data management plan defining how to manage research data.

      - Preservation, Management, and Access to Research Data
        → recommended that underlying data should be made openly available.

Guide on Open Science for researchers

8. Handling of research results
   – Open access to research papers and data management –

The Cabinet’s “Expert Panel on Open Science, based on Global Perspectives” published its report entitled “Promoting Open Science in Japan” in March 2015. The report compiles the Cabinet’s basic stance and policy on open science. The report stipulates that governmental ministries and agencies, institutions distributing funds, universities and research institutions and so on will formulate guidelines and action plans for implementation of open science. Moreover, the Fifth Science and Technology Basic Plan approved in January 2016 by the Cabinet, states that publicly funded research results will be utilized to their absolute maximum and that this will be Japan’s basic stance on open science promotion.

Based on this trend, JST published in April 2017 the JST Policy on Open Access to Research Publications and Research Data Management. This policy stipulates JST’s specific philosophy regarding providing open access to scientific papers arising from the research and the storage, management and publicizing of research data.

Please ensure open access to your ERATO research results (papers)

With regard to research results (papers) obtained through the ERATO projects, it is recommended that in principle they are made public through institutional repositories and publications presupposing open access.

Please create and implement a data management plan.

Researchers who have been selected as Research Directors from FY2016 onwards are requested to create data management plans detailing their plan and policy for the storage, management, publicizing or non-publicity of research data arising as research results, and submit these plans and policies along with their Research Plans to JST.

Furthermore, they are requested to store, manage and implement the publicizing of research data in line with these data management plans.

See below for further details.

  https://www.jst.go.jp/JST_aboutopeness/Policy_openess_en.pdf

Japan Science and Technology Agency

Guide for researchers (Ex. of ERATO Guide)
Funding Data Workflow at JST (The system is under development)

- **Apply for a research grant**
- **Inter-ministry**
- **Manage research outputs**
- **Report research outputs**
- **Data analyzing system**
- **API**
- **JST**
- **Open to public**

- **Funding data system (under development)**
- **Report research outputs**
- • Project management
  • Managing budgets/commission
  • Reporting research outputs
researchmap is a platform for managing, publishing, and sharing information on researchers. Over 300,000 researchers have registered their profiles and research outputs on researchmap. researchmap has been integrated into the systems of universities and provides features to help users find researchers for industry-academia collaboration and joint research.
The JST Project Database is a service that allows users to search and browse information on research projects promoted by JST. More than 23,000 research proposals and 6,700 reports are available.
J-STAGE – journal platform for Japanese academic societies

- J-STAGE is electric journal platform operated by JST since 1999 for Japanese academic societies

- Purpose
  - To promote electric publication of journals from Japanese academic societies
  - To disseminate those publications through the internet and to promote open access

- Contents (as of June 3, 2021)
  - Titles: 3,305
  - Articles: 5,237,144 (including proceedings)

- About 90% of journals are free to read

www.jstage.jst.go.jp
Linking research data and journal articles

**J-STAGE Data** is a data repository launched in 2020 for promoting Open Science in Japan. J-STAGE Data allows J-STAGE journals or the author(s) to upload the data used in their articles*. All data is Open Access and freely available to cite, share and reuse under the conditions set by their owners or publishers.

**J-STAGE Data makes data utilization easier**

- A DOI is automatically added to each data item, facilitating global dissemination
- Data items on J-STAGE Data are linked to corresponding J-STAGE articles
  
  You can access corresponding articles with one click
- All J-STAGE Data items are labeled with the license agreed upon by its data creators, and you can reuse each item under the specified conditions

*As of October 2020, the repository is in a pilot phase. Only selected journals are allowed to upload data.
J-STAGE Data  https://jstagedata.jst.go.jp/

- Data repository to publish research data that underline articles on J-STAGE.
- March 2020 released
- Open Access
- DOIs are registered
- 6 journals, 157 datasets (2021/5/31)
Usage

In the last year J-STAGE Data had:

- 21,071 views
- 2,917 downloads

...a most activity of 51% from United States, 41% from Japan, 3% from Netherlands...