

Collection and use of reliable information

Creation of infrastructure for scientific and technical information

Proposals for new ways to utilize scientific and technical information

The explosion of information easily accessible via the Internet makes it more important than ever to collect and use of reliable information. JST, while maintaining and providing a wealth of easily usable content, proposes new solutions for utilizing information as "Big Data." For example, the J-GLOBAL service provides not only a one stop search service for information such as researchers, articles, patents, chemical substances and technical

terms, but also "Related searches" that give serendipitous information, which leads to further breakthroughs with new perspectives and concepts.

Furthermore, these contents can be analyzed and visualized as research and development Big Data by J-GLOBAL foresight tool for both policy decisions in government and business decision making.

Websites for major services

Coordination of scientific and technical information



J-GLOBAL
Comprehensive Gateway Linking
Multiple Scientific and Technological Databases



J-GLOBAL foresight
Evidence-based Evaluation Methods
for Decision Making

New discoveries through different genres of scientific and technical information

- Information on researchers, articles, and patents can be searched at once by entering a single keyword. Various information databases are linked one another to allow a direct access. "Related searches" enables discovery of content similar to information of interest.
- Contains basic information on researchers (around 240,000 persons), articles (37 million items since 1975), patents (11 million items since 1993), chemical substances, genes, and technical terms (figures current at December 2015)
- Research achievements (academic papers, patents, etc.) inside and outside of Japan are analyzed, and current research trends are viewed from various angles such as by nation, organization and researcher. New analysis methods created by giving data accumulated by JST to researchers, as well as analysis methods and tools developed uniquely by JST are provided.



National Bioscience Database Center

National Bioscience Database Center

Promotes the integrated use of life science databases by providing free services through a portal site

- [Integbio database catalog]
Searching, viewing, and downloading of life sciences database information
(Number of registered databases: 1,518)
- [Life sciences database cross-search]
One-stop search combining patents and academic papers from databases in the field of life sciences
(Number of searchable databases: 555)
- [Life sciences database archive]
Full downloads of databases created in Japan
(Number of public databases: 108)
- [NBDC Human Database]
A platform to share various human-related data
(Number of available datasets: 29)

Online access to electronic journals in Science and Technology



J-STAGE
Japan Science and Technology
Information Aggregator, Electronic

Platform for electronic journal publishing in all fields of science

- Over 1,000 academic associations use to publish over 1,900 journals, most of which are openly archived.
- Expanding the genre to include Research Reports, Technical Reports, Conference Papers and Proceedings, Magazines, and Others
- Globally accessible via search services and other academic databases
- Support international data format standard of XML, earlier publication, and provide citation and cited references.

Information service to support research



JREC-IN Portal
Human resource database for
researchers

Supporting researchers seeking employment and research institution seeking staff

- Contains listings not only of research positions, but also a diverse range of publicly listed industrial / academic / administrative positions connected to research work (around 17,000 per year)
- e-learning courses for researchers
- Providing information of content and events for career development



researchmap
Japan's largest comprehensive
researcher database

A database containing researcher vitae information and provide SNS services for on-line academic discussion

- Access to information on 240,000 researchers

Registration of permanent identifier DOI (Digital Object Identifier)



Japan Link Center
The only DOI Registration Agency
in Japan

Register DOIs and join the group for distributing academic information!

- Domestic organizations have been registering DOIs to electronic academic contents (journal articles, doctoral dissertations, books (reports), research data, and e-learning). DOIs have been registered to approx. 3.14 million of papers and articles as of the end of December 2015.
- It is jointly operated by JST, National Institute for Materials Science (NIMS), National Institute of Informatics (NII), and National Diet Library (NDL).

As of December, 2015

Voice of Users



J-GLOBAL
Comprehensive
Gateway Linking Multiple
Scientific and Technological
Databases

- I can use it to keep track of what is happening with researchers who are acquaintances or are active in different fields. Sometimes with big projects, you have to start from nothing; in those cases, it provides an opportunity to search for researchers
- It is great that it allows you to systematically view each researchers track record. Looking at your own field of research, including tangentially related disciplines, helps you see how previously unknown or unclear research is positioned
- It is good that small- and medium-sized corporations with limited budgets can also utilize it "free-of-charge"



JREC-IN Portal
Japan Research Career Information
Network Portal

- Not only me but also many researchers using this database
- There is no other large scale online employment database conducted by publicly that is very helpful
- This is very supportive database when I ahead with fair selection