

Dissemination of R&D Results Information by JAEA Library

**Kiyoshi Ikeda, Mayuki Gonda, Takashi Nozawa, Keizo
Itabashi**

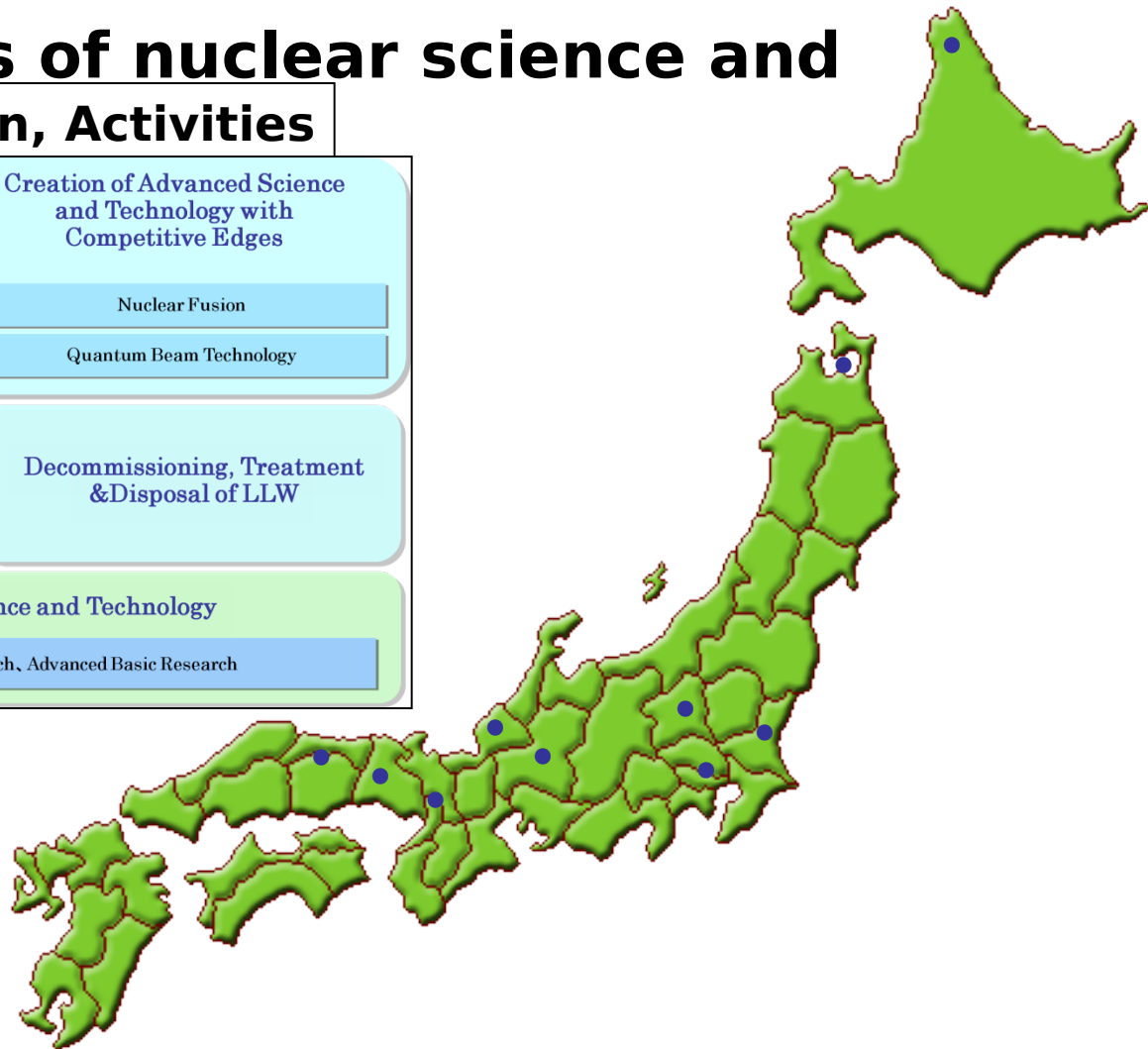
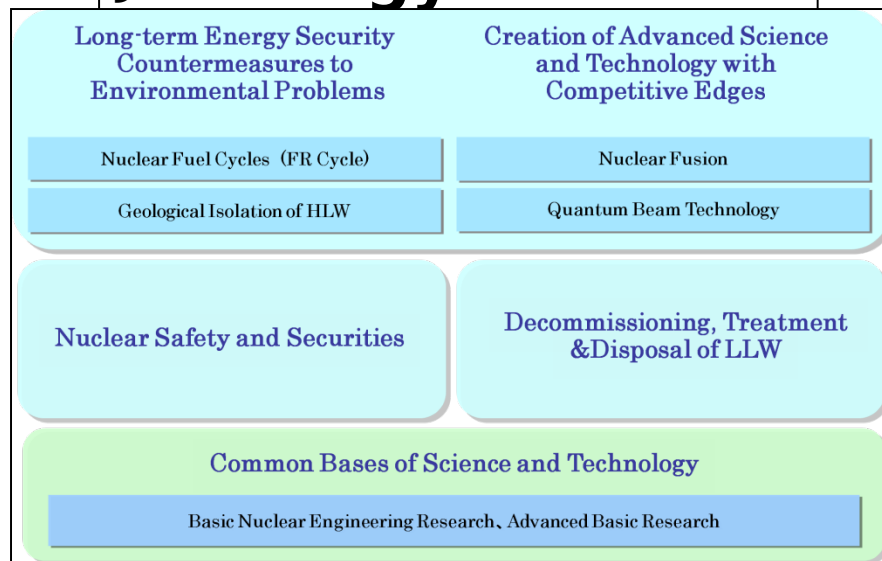
Japan Atomic Energy Agency, JAEA (Japan)

Naomi Ebisawa

Total Support Systems Corporation, TOSS (Japan)

About the JAEA

- JAEA is the comprehensive R&D organization in the fields of nuclear science and technology



About the JAEA Library

- **Feature at JAEA library**

- **One of the largest nuclear information center in Japan.**

- **INIS (International Nuclear Information System) National Center for Japan**

- **To collect and provide information in the fields of nuclear science from all over the world.**

- **To publish JAEA Reports originated from JAEA's R&D 300 JAEA Reports and 1,000 peer-reviewed papers are published/ results and distribute them widely in Japan and abroad annually by JAEA staff.**

About the JAEA Library

International Cooperation Activity of JAEA Library

—International Nuclear Information System (INIS)

International Nuclear Information System (INIS) was established in 1970 by International Atomic Energy Agency (IAEA). The purpose of INIS is to foster the exchange of scientific and technical information on



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JAEA OPAC



JAEA Library is one of the largest nuclear information center in Japan. We maintain a circulating collection of books in nuclear, physics, chemistry, computer science and engineering. JAEA Center Library collects 50,000 books, 2,000 journals and 700,000 reports. JAEA OPAC (Online Public Access Catalog) will enable you to search collections in JAEA Center Library. We also provide photocopy service.

NSIJ-OP (Nuclear Science Information of Japan - Oral Presentation)



This database is available which provides the information of oral presentations at major meetings in the fields of nuclear science and technology in Japan. This database contains 50,000 bibliographic records since 1987, and about 2500 bibliographic records is added every year. You are able to know information of cutting-edge and valuable research and development by using this database.



You will be able to use a plenty data base and service in JAEA Library without visiting. Everything starts here!

JAEA Library

検索

<http://www.jaea.go.jp> → JAEA Library

<http://jolissfukyu.tokai-sc.jaea.go.jp/ird/index.html>

JAEA Research Results



JAEA staff are creating about 300 JAEA Reports ("JAEA-Research" etc.) and contributing about 1,700 papers to scientific journals every year. Bibliographic data and abstracts of these about 53,000 research results are available. "JAEA Abstracts" provide these current information of each month. "JOPSS" provide searching system by keywords, and you can search and browse information on research results. These systems are Knowledge base of JAEA Research Results. And you can download full-text data (PDF Format) of JAEA Reports.

JAEA R&D Review



JAEA R&D Review is available which aimed at informing you about the current topics of R&D of JAEA since 2005. It not only provides you with a flavor of some of the work that has been carried out, but also invites you to check the references and contact with the researchers. You can also download full-text data of "JAEA R&D Review".



JAEA図書館*
Japan Atomic Energy Agency's LIBRARY

About the Photo of the Cover
The photo is taken pass in rare yard of JAEA Library. He has been keeping a long-term watch over researchers and hearing their mind.

JAEA Research Results



- Current information list of research results by JAEA staff
- Hyperlink to full text of JAEA Reports
- Searchable by popular search engines
- Monthly update



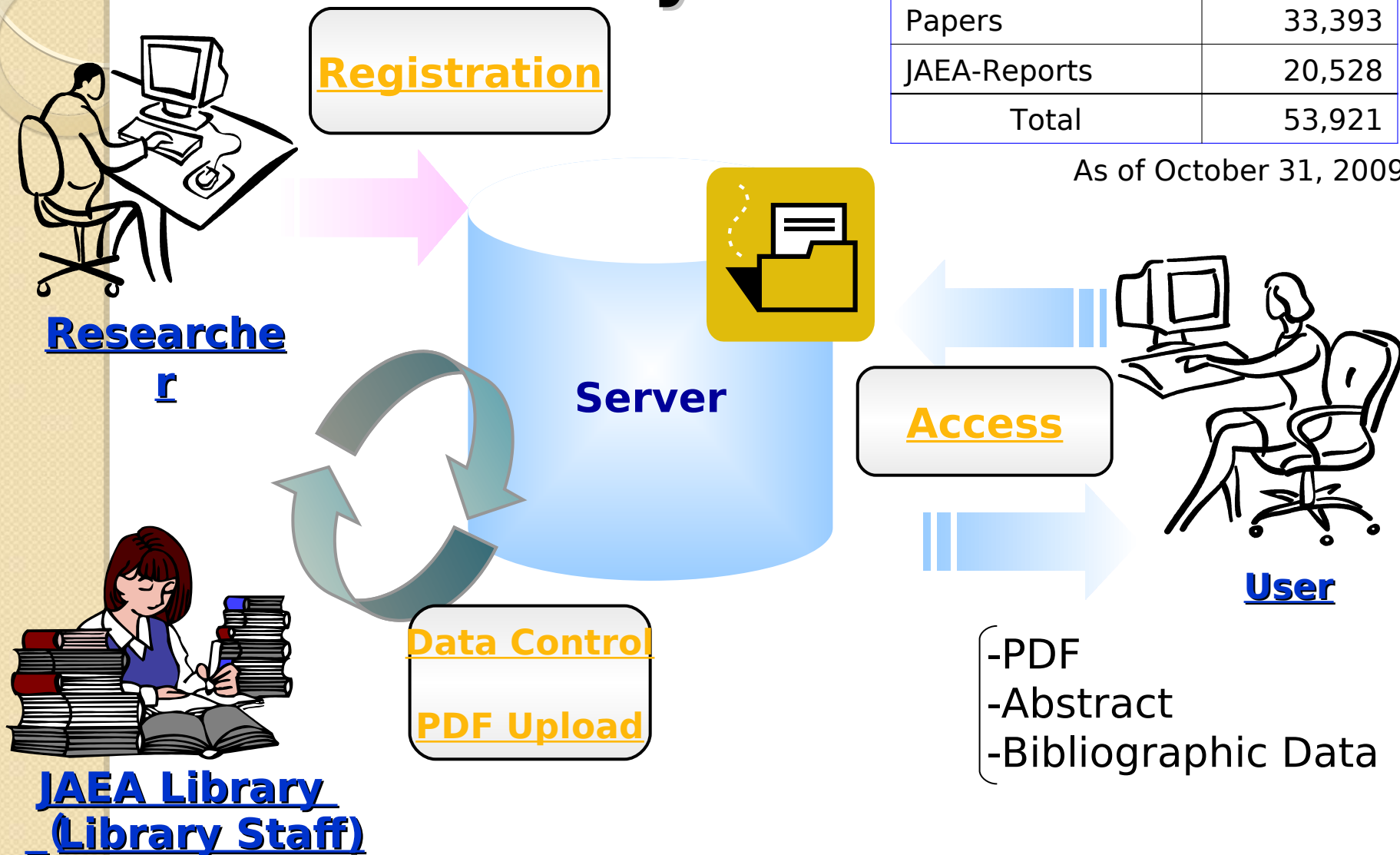
- Search engine for all bibliographic information on JAEA originated papers and JAEA Reports
- Hyperlink to full text of JAEA Reports

Web-based Application System

Statistics of R&D Results

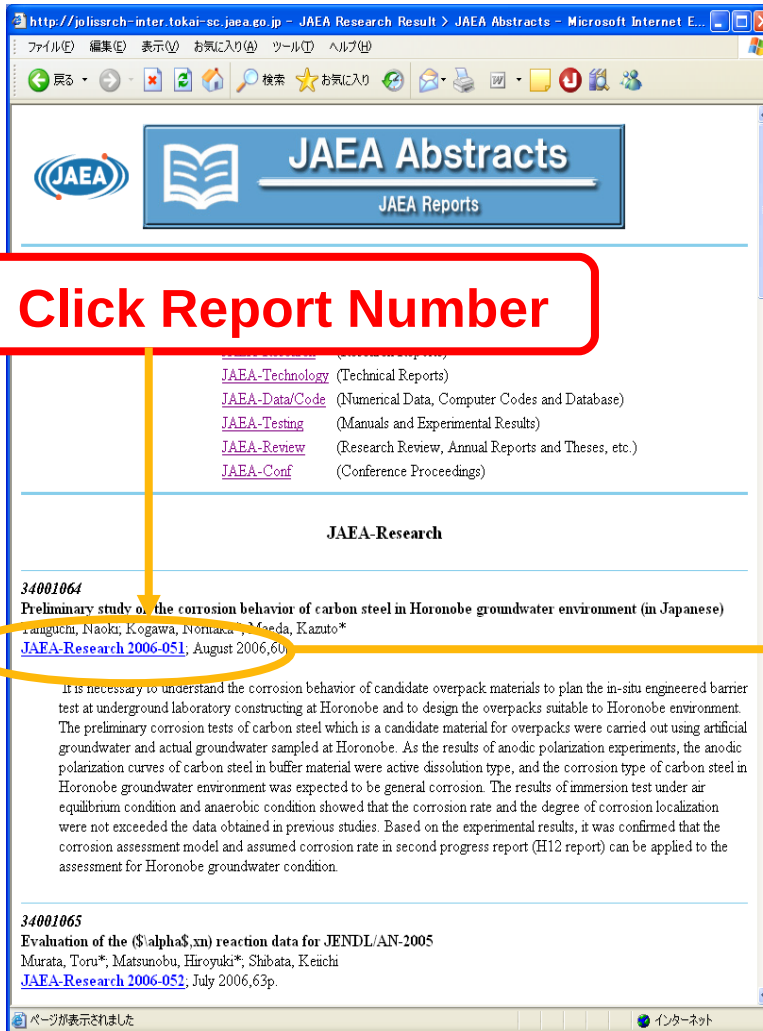
Papers	33,393
JAEA-Reports	20,528
Total	53,921

As of October 31, 2009



JAEA-Abstracts

1. Click Report Number



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[JAEA-Conf](#) (Conference Proceedings)

JAEA-Research

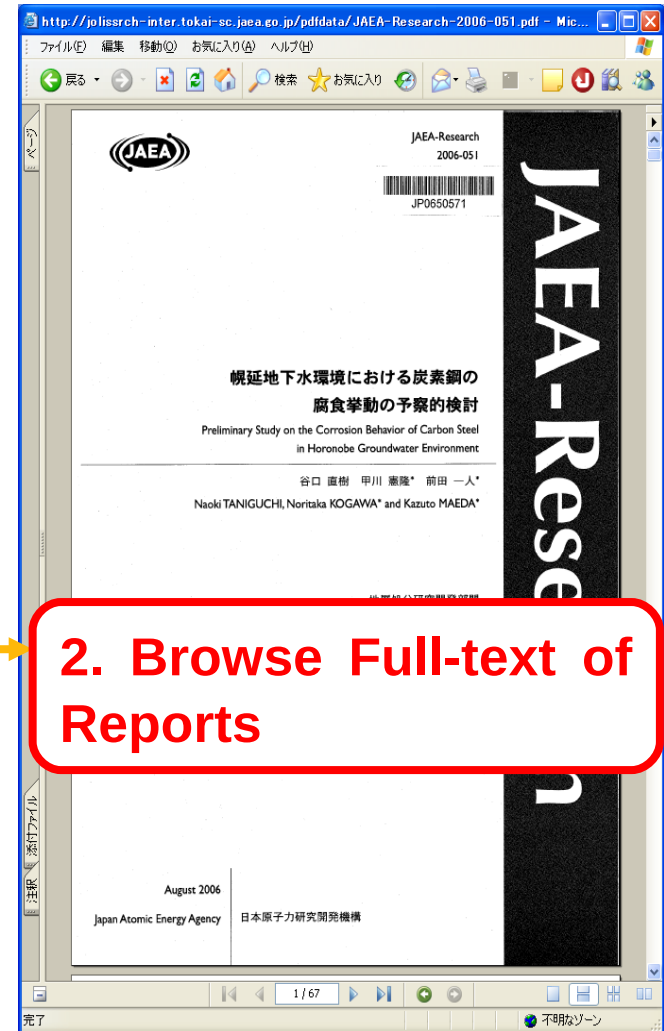
34001064
Preliminary study on the corrosion behavior of carbon steel in Horonobe groundwater environment (in Japanese)
Taniguchi, Naoki, Kogawa, Noritaka*, Maeda, Kazuto*
[JAEA-Research 2006-051](#), August 2006, 60p.

It is necessary to understand the corrosion behavior of candidate overpack materials to plan the in-situ engineered barrier test at underground laboratory constructing at Horonobe and to design the overpacks suitable to Horonobe environment. The preliminary corrosion tests of carbon steel which is a candidate material for overpacks were carried out using artificial groundwater and actual groundwater sampled at Horonobe. As the results of anodic polarization experiments, the anodic polarization curves of carbon steel in buffer material were active dissolution type, and the corrosion type of carbon steel in Horonobe groundwater environment was expected to be general corrosion. The results of immersion test under air equilibrium condition and anaerobic condition showed that the corrosion rate and the degree of corrosion localization were not exceeded the data obtained in previous studies. Based on the experimental results, it was confirmed that the corrosion assessment model and assumed corrosion rate in second progress report (H12 report) can be applied to the assessment for Horonobe groundwater condition.

34001065
Evaluation of the (α, n) reaction data for JENDL/AN-2005
Murata, Toru*, Matsunobu, Hiroyuki*, Shibata, Keiichi
[JAEA-Research 2006-052](#), July 2006, 63p.

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JAEA-Research
2006-051
JP0650571

幌延地下水環境における炭素鋼の腐食挙動の予察的検討
Preliminary Study on the Corrosion Behavior of Carbon Steel in Horonobe Groundwater Environment

谷口 直樹 甲川 憲隆* 前田 一人*
Naoki TANIGUCHI, Noritaka KOGAWA* and Kazuto MAEDA*

August 2006
Japan Atomic Energy Agency 日本原子力研究開発機構

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完了 不明なゾーン


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News

10 February 2009 : English version has been released.

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JNC-TN3450 2005-001

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AND Title

AND Author

AND Journal/Book Title

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Search Target	Papers Published in Journals, JAEA Reports (JAEA-Research etc.) on 2009/11/09 05:38 GMT+9

The search found : 1

#1

Registration No. : RS20090018
 Title : Fundamental study on flow characteristics of disrupted core pool at a low energy level (Joint research)
 Author : Morita, Koji*, Ryu, P.*, Matsumoto, Tatsuya*, Fukuda, Kenji*, Tobita, Yoshiharu, Yamano, Hidemasa, Sato, Ikken
 Report No. : JAEA-Research 2009-018
 Page : 52
 Publication Month : 2009/09
 Language : English
 JAEA Abstracts No. : 37001241
 PDF : [JAEA-Research-2009-018.pdf 46.46MB](#)

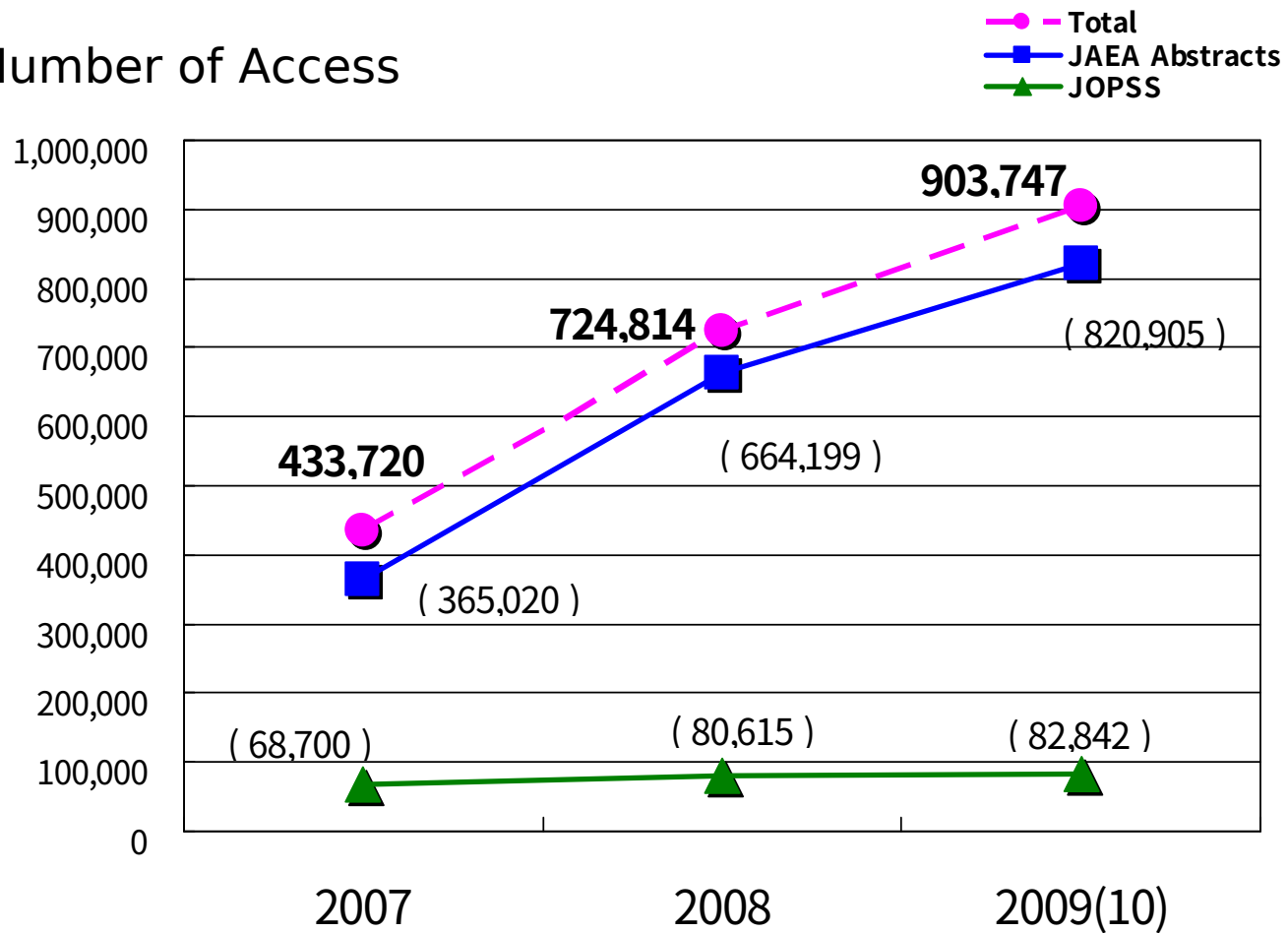
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Access Statistics from without JAEA

Number of Access



Improvements of JOPSS

○ Improvements

- Pull-down menu options of searching items
- Google like search style
-
-

○ We have had lots of difficulties

- Strong demand for English version
 - Originally designed only in Japanese
- Lack of English abstracts in previous system
 - Request authors to add English abstracts (but only from now on)

Future Plans

- **Creation of complete Institutional Repository**
- **Compliance with OAI-PMH (International Standard) of bibliographic data**
- **Enhancing access for full text papers like journal articles**