

## Dissemination of Information on the Results of R&D through the JAEA Library

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### Abstract

*This paper describes the new systems of circulating grey literatures in the fields of nuclear science and technology in Japan. The JAEA Library has been making the efforts to ensure that JAEA Reports (i.e. JAEA-Research etc.) are accessible via the Internet. The JAEA Library website incorporates two types of systems for use disseminating R&D results including JAEA Reports. JAEA Abstracts is a list of the results of current R&D achieved by our staff. JOPSS is the abbreviation of JAEA Originated Papers Searching System. The full-texts (PDF format) of JAEA Reports are also available through the above mentioned methods. JAEA Abstracts have been available in both Japanese and English, whereas JOPSS was only available in Japanese. Recently, a new search interface and retrieval algorithms have been developed for JOPSS. JOPSS has also been made available in English with the aim of making our R&D results more convenient to users throughout the world.*

### 1. Introduction

Use of the Internet is an effective way of disseminating grey literature. The Japan Atomic Energy Agency (JAEA) makes R&D results in the fields of nuclear science and technology, including JAEA Reports (i.e. JAEA-Research etc) available via the Internet, with the JAEA Library being responsible for the task.

The JAEA Library website provides two types of systems: JAEA Originated Papers Searching System (JOPSS) and JAEA Abstracts, for current information on research results brought by JAEA staff.

This case study focuses on the activity of JAEA Library with JOPSS as the main purpose of it was to understand exactly how the JAEA Library contributes to the dissemination and organization of grey literature. In view of the future plan with JOPSS, the data contained in JOPSS was then analyzed.

### 2. JAEA

JAEA is a comprehensive research and development organization that aims at the practical use of nuclear energy and is involved in basic and applied research through to the establishment of nuclear fuel cycles. Its largest site is in Tokai-mura where the central library is located.

#### 2.1. JAEA R&D Results

Every year JAEA publishes more than 300 JAEA Reports, which can might be the grey literatures, and also submits more than 1,700 papers to academic journals. The JAEA Library also makes the efforts to provide in information on the result of R&D, including the full-texts of JAEA Reports, available via the Internet. The following table describes the results of JAEA's R&D accumulated by the JAEA Library.

**Table1. Statistics of accumulated R&D results**

As of Dec.2009

	Reports	Papers	Remarks
Japan Atomic Energy Agency (JAEA)	1,040	5,639	Oct.2005~
Japan Atomic Energy Research Institute (JAERI)	7,810	23,857	Jun.1956 ~ Sep.2005
Japan Nuclear Cycle Development Institute (JNC)	11,723	4,581	(JNC) Oct.1998 ~ Sep.2005
Power Reactor and Nuclear Fuel Development Corporation (PNC)			(PNC) Oct.1967 ~ Sep.1998
Total	20,573	34,077	