# Collection of Conference Proceedings and Improving Access to the Full Text of Proceedings
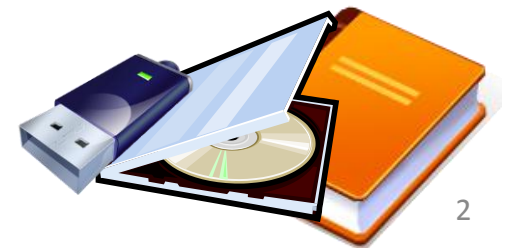
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# 1. Introduction
## 1.1 Conference Proceedings, a type of "grey literature"

- Conference Proceedings (Proceedings)  contain papers that are presented at a conference in a specific field.

- Proceedings are published more quickly than journal papers, and they contain the latest research. Proceedings are important sources for investigating research trends.

- They are often  **_distributed only to participants_**. It is difficult for libraries to collect them because they are not commercially available in many cases.

- Proceedings used to be published as journal special issues or books. Nowadays, Proceedings are also published as CD-ROMs or USBs, and some are published on the Internet.

- Proceedings on the Internet are published at various locations, such as publishers' or conference websites. Their availability may depend on the sustainability of the websites.

  ⇒Proceedings are a type of "grey literature."

# 1. Introduction
# 1.2 Purpose of this study

- We consider how to improve access to the Proceedings, especially on the Internet.

- The number of Proceedings on the Internet has increased, it is important to provide full text to researchers.

- We would like to introduce the JAEA library as a good option for improving accessibility to the full text of Proceedings.

- We then introduce a new approach to provide conference information and hyperlinks to the full text of Proceedings on the Internet.
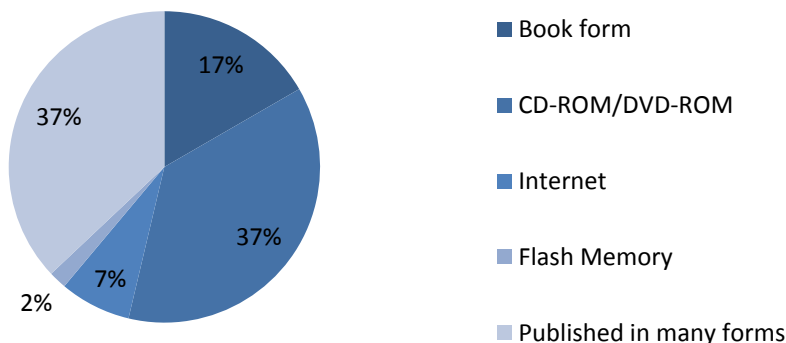
# 2. Publication forms of Proceedings and the library collection
# 2.1 Survey of the forms of Proceedings publications

- We surveyed the forms of Proceedings publications for the Proceedings written by the JAEA (Japan Atomic Energy Agency) researchers in FY2010.

- We classified the Proceedings by publication form other than those published as a journal or institutional report.

- 17% of the Proceedings are published as books. On the other hand, 37% Proceedings are published on CD-ROM.

- "Published in many forms" includes books, CD-ROM, etc. Many of these cases include Proceedings on the Internet.

**Proceedings publication form(FY2010)**
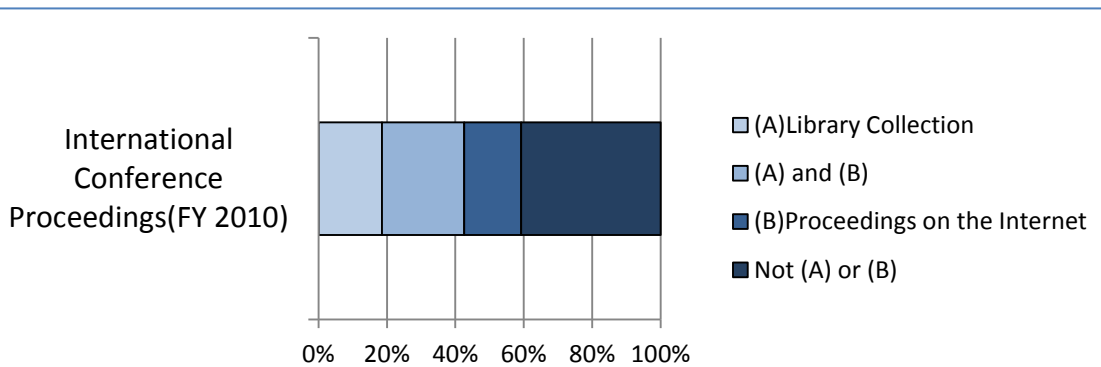


Legend:
- Book form
- CD-ROM/DVD-ROM
- Internet
- Flash Memory
- Published in many forms

Values on pie: 17%, 37%, 37%, 7%, 2%

*Published in two or more forms was classified into "Published in many forms" and duplication is not counted.

# 2. Publication forms of Proceedings and the library collection
## 2.2 Collection of Proceedings at the library

- We surveyed the library collection* of the Proceedings written by JAEA researchers in FY2010.

- The JAEA library is collecting conference Proceedings in the fields of nuclear science and technology. However, JAEA library and other libraries hold only about 42% of the Proceedings. This demonstrates the difficulty of providing Proceedings only in a library collection.

- ***Providing the link to Proceedings on the Internet as well as the library collection are both important to increase access to the Proceedings.***

International Conference Proceedings(FY 2010)

- □ (A)Library Collection
- □ (A) and (B)
- ■ (B)Proceedings on the Internet
- ■ Not (A) or (B)

0%   20%  40%  60%  80%  100%

*Library Collection:
・JAEA  Library
・National Diet Library(NDL)
・CiNii Books : Search information about books and journals held by university libraries in Japan

# 3. Management & providing the hyperlink
## 3.1 Providing the hyperlink to Proceedings

- At JAEA, researchers are requested to submit application forms before they make presentations or submit articles.

- Through this procedure, library staffs manage the information and make an authority file of author names, conference names, and journal/book names.

- The library is the gateway to the information on JAEA researchers' presentations/publications.

- We disseminate this information via the Internet using JOPSS (JAEA Originated Papers Searching System).

- In addition, we have started to provide hyperlinks to the full text of articles submitted by JAEA researchers with JOPSS (form July 2011 ).
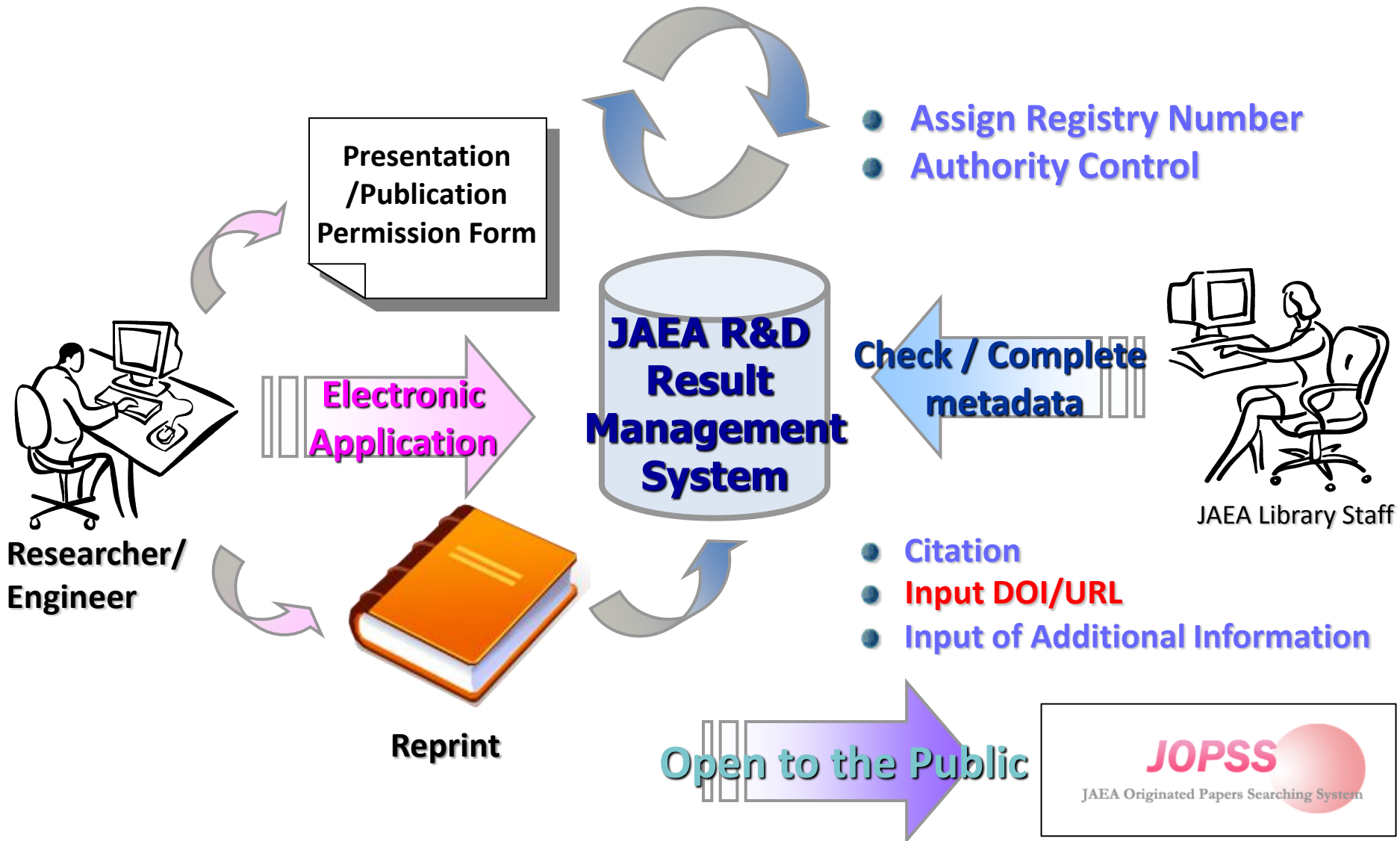
# 3. Management & providing the hyperlink
# 3.1 Providing the hyperlink to Proceedings

- The bibliographic data of JAEA R&D results are released at JOPSS after checking them. The registration of DOI/URLs is performed every month.

- As few Proceedings papers have a DOI, URL have to be included. In addition, URL have to be added to the transactions in which the abstracts are published.

- As it stands, we provide 14,459 papers from conference presentations. Among them, 3,137 are hyperlinked to the full text or abstract (as of Oct. 2012).

- Providing the link by JOPSS allows direct access to the Proceedings on the Internet.

# 3. Management & providing the hyperlink
## 3.1 Providing the hyperlink to Proceedings

Presentation /Publication Permission Form

- Assign Registry Number
- Authority Control

**JAEA R&D Result Management System**

Electronic Application

Check / Complete metadata

JAEA Library Staff

Researcher/ Engineer

- Citation
- **Input DOI/URL**
- Input of Additional Information

Reprint

Open to the Public

**JOPSS**
JAEA Originated Papers Searching System

# 3. Management & providing the hyperlink
## 3.2 Surveys of Proceedings on the Internet

- A link to the Proceedings is not permanent because conference secretariats are often a temporary body and the URL is frequently changed.

- We surveyed the accessibility of the Proceedings on the Internet / Conference Website where JAEA researchers submitted papers in FY2010.

- 40% of the Proceedings are published on the Internet. Most are published on the conference website or a link to the Proceedings is provided.

- On the other hand, conference websites are likely to change URLs, and some of them are closed after the conference. 30% of the conference websites in FY2010 were not available.

- In addition, some of the Proceedings on the Internet are not open to the public. They permit access only to conference participants. These kinds of Proceedings are few, but access to full text is very difficult.

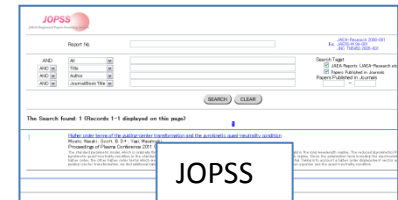# 3. Management & providing the hyperlink
## 3.3 New approach to provide Proceedings information

- The link to Proceedings on the Internet as well as in the library collection is useful to improve accessibility to the Proceedings.

- We developed a prototype webpage that provides conference information, bibliographic information of Proceedings, and Proceedings on the Internet using Google Calendar.

- Many conference websites are deleted within a few years after the conference; therefore, an archive website would be useful. We use the Internet Archive (Wayback Machine （http://archive.org) to provide the conference information from the deleted conference websites.

- We use hyperlink to the JAEA Library/NDL/CiNii Books search result.

# 3. Management & providing the hyperlink
## 3.3 New approach to provide Proceedings information

- Some of the Proceedings papers are included in an institutional repository by the authors. An institutional repository can include Proceedings not available anywhere else. So, we provide the hyperlink to the search results of JAIRO (Japanese Institutional Repositories Online).

- In addition, we provide the hyperlink to the search results of INIS (International Nuclear Information System), which includes information from Conference Proceedings papers in the fields of nuclear science and technology.



Conference Website

JOPSS

Library Collections

INIS

# 4. Summary

- There are multiple publication forms of Proceedings, and the number of Proceedings available on the Internet are increasing. Using a link to Proceedings on the Internet as well as library collections can improve access to the Proceedings.

- The URLs of Proceedings on the Internet, especially those on conference websites, are more likely to change. When we provide the links to Proceedings, we need to periodically check the links.

- Some of the Proceedings on the Internet are not open to the public. An institutional repository will improve access to full text that is not available anywhere else.

- Using the Internet archive and institutional repository will probably improve the access to the full text of papers or paper information, and we would like to offer this information collectively.

- We would like to add an institutional repository in other country, such as Open DOAR.