

§8. Present Status of an Institutional Repository at NIFS – “NIFS-repository”

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Nowadays Institutional Repository (IR) is recognized as one of the most important infrastructures for universities/institutes.

For example, in a guide book of Japanese universities “Daigaku Ranking 2010” published by Asahi Shimbun Publications Inc., in 2009, IR was, for the first time, adopted as one of the evaluation indices of universities. In fact, number of universities and/or institutes, which opened their own IR rapidly increased in a past few years in Japan (Fig. 1).

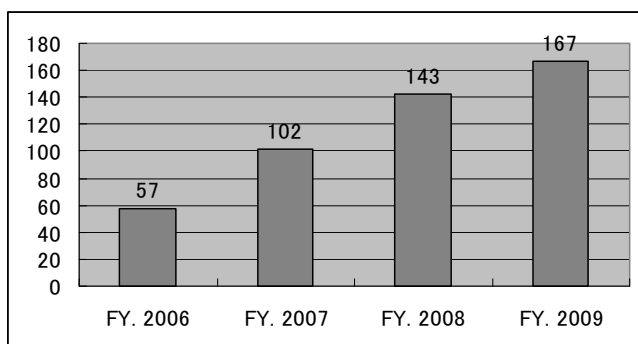


Fig 1 Number of organizations (Universities and/or Institutes), which have their IR

IR is defined as; “a university-based institutional repository is a set of services that a university offers to the members of its community for the management and dissemination of digital materials created by the institution and its community members”¹⁾. In other words, for the case of NIFS, the IR is required to meet the social accountability of the Institute that is carrying out a large-scale project of nuclear fusion research and development.

In the Annual plan for FY 2008 of the Medium-term plan of NIFS, it was decided to establish an institutional repository (IR) of NIFS. Research Information Office (RIO) was nominated as an operating organization for the repository. And an IR of NIFS, named NIFS-Repository was opened by the end of March 2009 (<http://nifs-repository.nifs.ac.jp>).

Here we introduce NIFS-repository, putting emphasis on progresses in constructing NIFS-repository in 2009 FY.

1) Our major efforts were concentrated on enhancement of NIFS-repository system and enrichment of its contents.

2) In this fiscal year, we got a grant from Cyber Science Infrastructure (CSI) Project for “Further expanding IRs and creating content”, operated by National Institute of Informatics (NII). This project aims to develop the cyber science infrastructure in Japan. Namely, to amplify the

current content services and develop the next generation scholarly content infrastructure, to introduce and operate institutional repositories.

3) The DSpace institutional repository system, created by the Massachusetts Institute of Technology (MIT) in collaboration with the Hewlett Packard Corporation, is utilized for NIFS-Repository system. In 2009 FY, we introduced some ancillary components. They are:

- (1) Default ID-groups were settled for terminals inside the NIFS LAN to allow access to the limited for in-house users.
- (2) Suitable items listed in the contents are automatically selected for each collection.
- (3) A function to control the display the meta-data, which allows to local access only, in the table of search results.
- (4) Modification of database to meet the requirements for JUNII II harvesting.

4) We have got from individual researchers an “inclusive agreement for posting their articles to NIFS-repository”. As of March 2010 we got them from half of researchers on the active list of NIFS. This way is so efficient not only for us but also for researchers. Therefore we have been able to input the data retrospectively author by author.

Table 1 Number of contents in NIFS-repository
As of March 31, 2010.

Type of contents	Number of Contents
Articles in scientific journals (in Japanese)	18
Articles in scientific journals (in English)	194
Articles in NIFS Reports	998
Articles in Annual Report of NIFS	1,489
Total	2,699

5) In order to exchange the information on organizing and constructing the IR in Japanese universities and institutes, and also to report our progresses, we actively joined international conference, seminars and symposium. In DRFIC2009 (Digital Repository Federation International Conference 2009), we presented a report on “Institutional Repository at a Project-oriented Inter-university Research Institute”²⁾.

- 1) Lynch, Clifford A. “Institutional Repositories: Essential Infrastructure for Scholarship in the Digital Age” ARL, No. 226 (February 2003)
[<http://www.arl.org/newsltr/226/ir.html>]
- 2) Chikaraishi, H., Kohmoto, Y., Hashimoto, K., Namba, C., Mito, T., Matsuoka, K. “Institutional Repository at a Project-oriented Inter-university Research Institute”, DRFIC2009, Tokyo, 2009.

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