15. Research Information Office

1. Introduction

The function of the research information office is indicated as follows:

- Accumulation of research activity information related to fusion science and construction of a useful evaluation data base system for improvement of level of research and education.
- Information disclosure of the latest study results by publication of research reports such as an annual report, a NIFS report, etc.

2. Construction of research activity database

We have been constructing the database by accumulating research activity information of the National Institute for Fusion Science including activities of collaboration research. It aims at the construction of a useful data base for the improvement of the level of the education and research. Accurate data of the articles presented by researchers and students has been required as a database that indicates the activity of the collaboration research. Therefore, "NIFS article information system" has been constructed as the research activity database.

The counting of the presented papers and the extraction of the statistical data can be done by using the "NIFS article information system". Once the article is registered in the "NIFS article information system", the researcher need not submit again the article list at each counting for different evaluation, because reuse of the database is possible. Moreover, an individual author is recognized in the "NIFS paper information system". Therefore, even if the name of the author on the article is the same (the same first name and the same family name), it is possible to distinguish them. It expands not only to an accurate accounting but also to the possibility of an article information system. For instance, the researcher who logs in can make the latest article list of himself. The article can be retrieved and can be inspected. It is expected that the article before presentation can be inspected internally, which contributes to the transparency of the publication of the article.

For the papers using LHD experimental data, the approval by the LHD experimental group is required before paper submission. The "NIFS article information system" supports a part of the approval process. With this support, the authors have not to make extra documents for the process. The program modules for this process are also useful to build an editorial board system for international meetings. In the ITC16, an editorial board was built and used.

3. Publication of NIFS reports and Collection of Reports

Publication of the annual report and the series NIFS Research Report is also an important task of the Research Information Office. NIFS series are the preprints for presenting promptly the results of collaboration research work of NIFS.
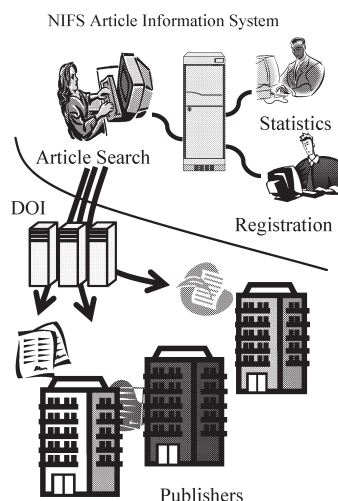

Fig.1. Function of NIFS article information system.

NIFS Research Report
Present the results of research work for nuclear fusion, plasma physics and theory & simulation and experiments in related fields.

NIFS-PROC
Proceedings of international conferences or symposia organized by NIFS and the reports of the meetings for the collaboration research work of NIFS.

NIFS-TECH
Present the results of technical research development related to nuclear fusion and plasma physics.

NIFS-DATA
Data series compiling the evaluated basic data for fusion science and related fields.

NIFS-MEMO
Technical data and reference for newly developed devices, databases, hardware and software of computer codes.

Table 1 Number of published NIFS reports

	FY 1989-2005	FY 2006	TOTAL
NIFS	831	40	871
NIFS-DATA	96	3	99
NIFS-TECH	13	1	14
NIFS-PROC	61	4	65
NIFS-MEMO	47	5	52
Annual Report	17	1	18

The office also collects laboratory reports and other literatures concerning nuclear fusion and related fields from foreign institutions. The total number of collected reports in this fiscal year was about 300 and approximately 35,900 reports have been collected so far.

(Mito, T., Chikaraishi, H.)