

§12. “NIFS-repository” in FY2010

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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” published by Asahi Shimbun Publications Inc., IR is recognized as one of the evaluation indices of universities since 2009. In fact, number of universities and/or institutes, which opened their IR rapidly increased in these several years in Japan (Fig. 1).

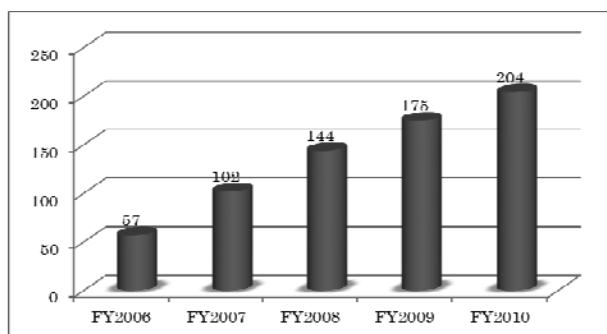


Fig. 1 Number of organizations (universities and/or institutes), which have their IR, including regional shared repository.

NIFS-Repository was opened by the end of March 2009 (<http://nifs-repository.nifs.ac.jp>) in accordance with the Annual plan for FY 2008 of the Medium-term plan of NIFS, in which the establishment of an IR was decided.

In FY2010, from FY2009 on, NIFS-Repository was supported by a grant from Cyber Science Infrastructure (CSI) Project for “Further expanding IRs and creating content” operated by National Institute of Informatics (NII). In FY2010 our efforts were mainly concentrated onto enrichment of its contents and enhancement of repository application system used in NIFS-Repository.

As a result, by the end of FY2010, number of contents in NIFS-Repository increased to 4,757 items, including

scientific articles published in various journals, NIFS-reports and Annual Report of NIFS, as is shown in Table 1.

Table 1 Number of contents in NIFS-Repository As of March 31, 2011.

Type of contents	Number of Contents
Articles in scientific journals (in Japanese)	41
Articles in scientific journals (in English)	332
Articles in NIFS Reports	999
Articles in Annual Report of NIFS	3,377
Total	4,749

NIFS is an Inter-University Research Institute and serves as Center of Excellence, organizing collaborative researches in the field of fusion science nationwide and abroad. Therefore our repository, that includes research products by our own staff and those by our collaborators as well, chances to be ranked as “Research Field Repository” in fusion science.

From this view point, we analyzed distribution of the affiliations of first authors of reports in “Annual Report of NIFS from April 2009 to March 2010”. In this issue, there were 505 individual reports (505 first authors in total). 41.5% of these reports were written by NIFS researchers as the first authors; this means 58.5% of reports in this issue were written by the collaborating researchers who don’t belong to NIFS.

This contribution was made by collaborators from 72 research organizations nationwide and abroad, as well. The distribution of the affiliation of the first authors (collaborating researchers, only) is shown in Fig.2, where top 23 organizations are illustrated.

This fact suggests the possibility to establish “Research Field Repository” for the plasma and fusion research area among Japanese universities/institutes.

This work was conducted under NIFS Collaborative Research Program (NIFS08KVXA001) and also supported by Cyber Science Infrastructure (CSI) Project, operated by National Institute of Informatics (NII).

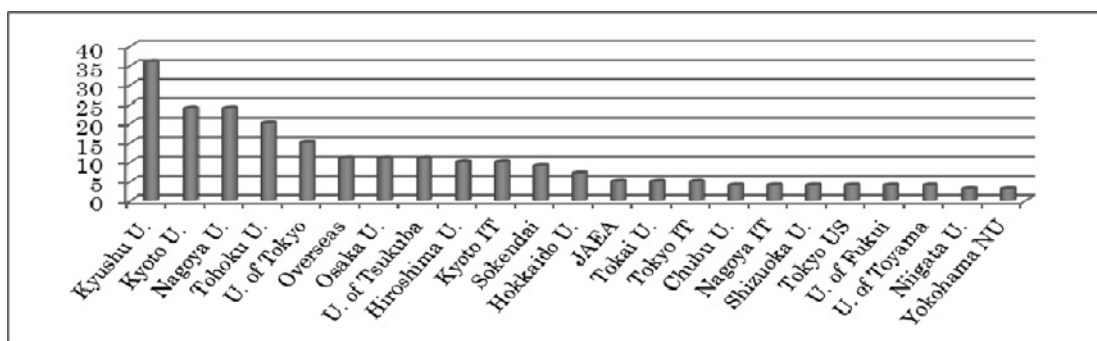


Fig. 2 Distribution of the first authors of reports in “Annual Report of NIFS from April 2009 to March 2010”. Here we show only 23 universities and/or institutes, however actually researchers from 72 universities and/or institutes made contributions. Here “overseas” means institutes in Russia, Serbia, UK, France and Ukraine.