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*The University of Osaka Institutional Knowledge Archive : OUKA*

<https://ir.library.osaka-u.ac.jp/>

The University of Osaka

# Toward an Institutional Repository as a Center of Excellence in the Field of Fusion Science

## - The Feature and the Goal -

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National Institute for Fusion Science, National Institutes of Natural Sciences

National Institute for Fusion Science (NIFS) is an Inter-University Research Institute and serves as a Center of Excellence, organizing collaborative researches in the field of fusion science nationwide and abroad. Therefore our institutional repository (IR), that includes research products by our own staff and those by our collaborators as well, aspires to be ranked as a **“Research Field Repository” in fusion science**. The IR is intended to meet the social accountability of the Institute which is carrying out the large-scale project of nuclear fusion research and development.

### Center of Excellence in the field of fusion science



### Research Fields in NIFS:

Experimental Research on Fusion Plasma using “Large Helical Device”  
 Research for High-Performance Plasma  
 Basic Research for Plasma Confinement  
 Simulation Science Research on LHD, Tokamak and Laser Fusion  
 Complexity Plasma Simulation, 3D Immersive Projection Display  
 Engineering Research on Fusion Reactors  
 Superconducting Magnet System, R&D of Liquid Breeder Blanket, Fusion Reactor Materials, Design Studies of Fusion Reactors

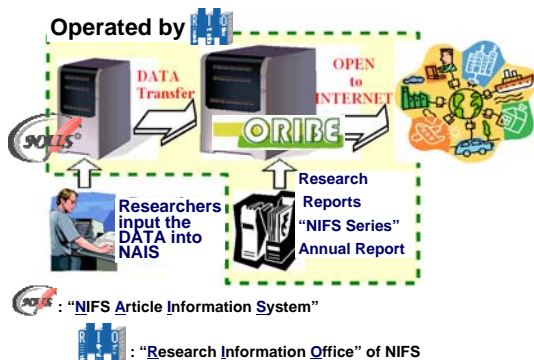
### The Collaborative Researches are with:

Universities and Institutes in Japan  
 Fusion Research Programs in US, China, Korea, Germany, Russia, IAEA, IEA, ITER, etc.

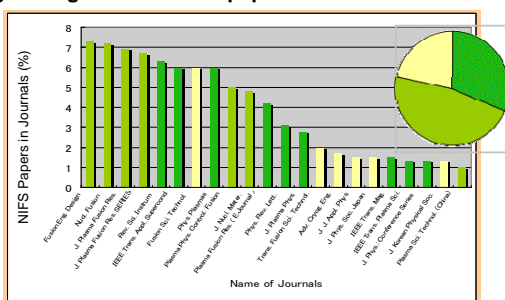


TOKI City, where NIFS is located, is famous for its long history of pottery-making. ORIBE ware is the most famous pottery ware bone in TOKI.

(Open Resource Information Board in E-collections of NIFS)

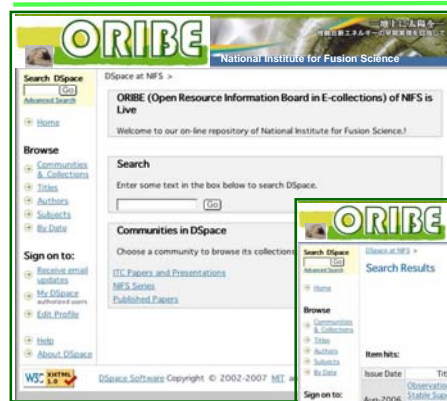


In NIFS an institutional repository (IR) is now under construction mainly by the Research Information Office (RIO). RIO has developed “NIFS Article Information System” (NAIS) for constructing the so-called research activity database, where the data of research papers and annals are almost automatically collected and stored. At the same time RIO publishes research reports and annual report of NIFS. This makes researchers free from extra load for registering their research papers in our IR.



■ Super Green Journal, ■ Green Journal, ■ Yellow Journal, etc.

The copyright policy of journals, to which scientific papers from NIFS are frequently submitted (top 22), is surveyed. The result shows around 80% of all the NIFS papers are submitted to Super Green or Green Journals.



### ORIBE will contain;

- Articles published in scientific journals,
- Research Reports published by NIFS,
- Annual Reports of NIFS,
- Presentations at International Conferences,
- Others.