The National Institute of Informatics (NII) has operated the JAIR Cloud shared repository service since 2012. It provides an institutional repository system environment to institutions which face difficulties in constructing and operating these systems themselves. JAIR Cloud is based on WEKO, software developed by NII, and its objectives are the promotion of the creation of IRs for publishing the results of educational research by universities and other institutions, as well as the advancement of open access.

For the foreseeable future, JAIR Cloud will be targeted at institutions constructing new IRs. Applications are accepted on a rolling basis.

**Repository Module**

**WEKO**

WEKO is a repository module, developed by NII, that operates on the NetCommons2 next-generation information sharing platform. It makes it possible to create new research styles through the sharing of a wide range of research outcomes, such as articles.

**Community Site**

It provides a variety of information including announcements regarding the JAIR Cloud system, operation guides, and others. Please visit the following community site for inquiries about JAIR Cloud:

https://community.repo.nii.ac.jp/

**CSI-commissioned projects**

As part of the "Cyber Science Infrastructure (CSI) project," in order to promote the construction of IRs and community formation, NII provided commissioned support for the programs to construct the next-generation academic information infrastructure from FY2005 to FY2013.

<table>
<thead>
<tr>
<th>PHASE</th>
<th>PHASE 1</th>
<th>PHASE 2</th>
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<td>Area 3 (No. of programs)</td>
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</table>

**Contact information**

Library Liaison Team, Scholarly and Academic Information Division
Cyber Science Infrastructure Development Department
National Institute of Informatics
2-1-2 Hitotsubashi, Chiyoda-ku, Tokyo 101-8430
MAIL: ir@nii.ac.jp
URL: http://www.nii.ac.jp/irp/en/
Supporting creation of and cooperation among academic IRs to further reinforce the ability of universities to disseminate the fruits of their research and educational activities

The value of Institutional Repositories (IRs) is steadily increasing, due to their importance as mechanisms for the collection, organization, preservation, and dissemination of the academic information that represents the fruits of the research and educational programs of the universities. NII provides added-value services supporting the creation of IRs in Japan as a new model of centers for the dissemination of information.

http://www.nii.ac.jp/irp/en/

Three support programs of the NII IRP

1. Content provision
   - Digitization of academic journal articles and provision of the digitized content
   - Confirmation of the copyright policies of academic societies as they pertain to IRs
   - Support for dissemination of papers published in departmental bulletins and provision of their contents to IRs

2. Systems integration
   - Provision of the "junii2" metadata format
   - Harvesting and collection of metadata from IRs using OAI-PMH**
   - Development and provision of JAIRO, a portal for Japan's IRs

3. Community-building
   - Conferences, training courses, workshops, and symposiums

Benefits of IRs

- For researchers
  - Effective dissemination of research outcomes, enhanced research impacts, greater potential for citation

- For universities
  - Fulfillment of responsibility for public disclosure, enhancement of the university brand, strengthening of the university's voice internationally

- For society
  - Facilitation of information gap, visualization of communities, discovery of the needs for industry-academic collaboration

- For libraries
  - Contribution to scholarly communication, enhancement of library services

Users

Researchers, universities, academic societies, etc.

Dissemination of academic information

Cross-searchable academic information of IRs

Provision of metadata

Community-sharing and human exchange

Information dissemination from universities and other academic institutions

Universities and academic institutions

Support and cooperation

Construction of IRs

Collection and preservation of created information within institutions

More than 1,600,000

The number of content items registered with the Portal for IRs in Japan:

370

Increased over in just ten years

** OAI-PMH: An international standard protocol for the automated harvesting of metadata from IRs (dataset providers) by search engines (service providers).

*According to NII data (as of August 2013).

** junii2: A metadata format developed by NII corresponding to the international standard "Dublin Core" that became the de facto standard for IRs in Japan.

** OAI-PMH: An international standard protocol for the automated harvesting of metadata from IRs (dataset providers) by search engines (service providers).