

## FY2008 CSI-commissioned projects (for academic information) Area 2 project list

Projects / Summary	Lead institution	Participating institution	Contributing institution
<b>Project themes: Development of technology to reinforce dissemination of information</b>			
<a href="#">Developing an Electronic Publishing System based on the platform of Institutional Repositories. (Japanese)</a>			
<p>Nagoya University Library is developing an electronic publishing system based on the platform of Institutional Repositories. Our goal is to create new flow from the publishing of research outcomes to the collecting of repository contents.</p> <p>We will make a prototype system and will experiment with the journals whose editorial offices are located in Nagoya University Library.</p>	Nagoya University		Kyushu University
<a href="#">Development of a Journal Editing and Publishing System(ePubs) (Japanese)</a>			
<p>In order to enhance the collection efficiency for the repository, we selected to use the journal management and publishing system called "Open Journal Systems (OJS)" developed by Public Knowledge Project (PKP).</p> <p>For better usage, we localized the OJS into Japanese and introduced it to academic community members. However, many community members were not satisfied with the OJS since it did not have a function for publishing issues in paper form.</p> <p>In this year's project, we will try to develop the publishing module and promote the OJS again to the academic communities to increase the number of contents stored in the repository.</p>	Waseda University		Kyoto University Hiroshima University Nagasaki University Saga University
<a href="#">Access path to Institutional Resources(AIRway)</a>			
<p>The AIRway (Access path to Institutional Resources) is a research and development project, which is aimed to achieve the navigation to open access documents collected in institutional repositories etc. by link resolvers. As its character, the AIRway is also possible to be widely applied to resolve the location of a open access document through OpenURL request.</p> <p>Link resolvers can improve the function of offering appropriate copies service by cooperating with the AIRway server in the system level and lead users who don't have the electronic journal subscription license to the full-text of the document.</p> <p>Universities and research institutions that manage their institutional repositories can gain users of link resolvers in addition to the users of Internet search engines such as Google and service providers for OAI-PMH such as OAIster by offering their metadata to the AIRway server with OAI-PMH. As a result, this project is the one having aimed to improve the visibility of documents registered in the institutional repositories furthermore.</p>	Hokkaido University	Kyushu University	University of Tsukuba Chiba University Nagoya University Kanazawa University Kyoto University Osaka University
<a href="#">Developing Intersystem Tools for Institutional Repositories. (Japanese)</a>			
<p>We are developing intersystem tools for Institutional Repositories.</p> <p>One tool is for converting metadata. We already have some plug-in modules for programming language Python. Now we will develop web-based API for converting metadata. The other is a resolver system for author names. We are using it to link our Institutional Repository to other systems such as researcher database and OPAC. For easier handling, we will develop web-based API of this service.</p>	Nagoya University		Gifu University
<a href="#">Initiative for XooNlps-based new repository system</a>			
<p>The XooNlps-Library module has been developed by Keio University Media Center Head Office since 2005. This project is sponsored by NII (National Institute of Informatics) as its Repositories Program.</p> <p>In 2008, we are working on 'Initiative for XooNlps-based new repository system' (NII Repository Program Area 2) in cooperation with The Laboratory for Neuroinformatics at RIKEN Brain Science Institute (BSI) and several XooNlps-Library module users.</p>	Keio University	Beppu University	Kinki University Sapporo Medical University

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<p><a href="#">Mailidentity Program (Japanese)</a></p> <p>Mailidentity is a two-year project (2008-09) based on the outcome of "A Project on Data Sharing for Achievement Database and Institutional Repository" (2006-2007) funded by CSI project of NII.</p> <p>This project aims to develop an author identification function for Institutional Repository. For this purpose, some key information to identify the authors of the digital contents in the repository will be studied and examined as Digital Author Identifier.</p> <p>The project also seeks to apply the author identifier to Researcher's Information System such as the KAKEN database provided by NII. This application will be expected to enable the interoperability between the repository and such common database system in Japan.</p>	Kanazawa University		Waseda University Kyushu University Shinshu University Chiba University Nagasaki University Obihiro University of Agriculture and Veterinary Medicine Shizuoka University Hokkaido University Osaka University
<p><a href="#">Structuralization of Tsukuba Science Repository (TSR) for value improvement</a></p> <p>An empirical study on value improvement of IRs. Under TSR plan, Tsukuba-based latest scientific knowledge and findings are showcased around a cyber city on the World Wide Web in a quite comprehensible way. For this purpose, research outputs are not only to be aggregated into TSR, but also to be associated, networked and reconfigured when in use by several collaborative teams of the researchers affiliated with the research institute in Tsukuba Academic City.</p>	University of Tsukuba		Tsukuba University of Technology
<b>Project themes: Collaboration among IRs</b>			
<p><a href="#">The development of an open access and bi-directional repository for medical science. (Japanese)</a></p> <p>This project involves the construction of an open access and bi-directional repository in order to dispatch the research results of dissertations within the hygienic medical field around the country as effectively as possible.</p> <ul style="list-style-type: none"> <li>- The ExLibris systems corporation is responsible for making the metasearch system "MetaLib", which is incorporated in the platform.</li> <li>- A domestic medical repository is employed for recording data.</li> </ul> <p>This Institutional repository is serviced with harvesting which uses "OAI-PMH".</p> <ul style="list-style-type: none"> <li>- Induction to original articles is achieved via the application of a "SFX" link-resolver.</li> </ul>	Sapporo Medical University		
<p><a href="#">Repository of Archaeological Reports (Japanese)</a></p> <p>A huge number of archaeological reports are published every year in Japan. However, since they are mainly in printed form and the number of prints is not large, their circulation is limited to certain institutions. In addition, every library is struggling against a heavy load of tasks to store them in order and ever growing shortage of storage space.</p> <p>This project aims at helping researchers in every university to utilize valuable records and exhibiting them by working cooperatively with regional governmental organizations through a common repository framework based on the OAI-PMH protocol.</p>	Shimane University	Tottori University Okayama University Hiroshima University Yamaguchi University	
<p><a href="#">Shared Repositories Project (ShaRe) (Japanese)</a></p> <p>The number of institutional repositories constructed by academic institutes has been increasing in Japan, but most medium or small institutes don't have a repository yet. For the dissemination of all scholarly materials in Japan, it is necessary to place their materials within a repository. The aim of this project is to promote open access by supporting the construction of shared repositories that are more economic and effective for medium or small institutes which have difficulties establishing their own repository. To achieve this, we will develop some system and operational models for shared repositories and hold workshops to share our knowledge and experiences.</p>	Hiroshima University	Okayama University	Hiroshima Institute of Technology Yamagata University Saitama University Nagasaki International University Hokkaido University Chiba University Kanazawa University Osaka University

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<p><a href="#">Development of Education Subject Repository (Japanese)</a></p> <p>This Project aims to collect the metadata of education-related resources which is stored in the institutional repositories of National Universities of Education and other institutions, and enable to search these resources from terms representing the subjects of education. First of all, by the cooperation of the National Universities of Education and other institutions, we will make policies to describe the metadata of the education-related resources. Next, each institutions will describe the metadata according to the policies. Then, we will collect these metadata from each institutions (harvesting metadata according to OAI-PMH protocol). We also develop suitable search interface for education-related resources. Finally, we will evaluate the usage of this system by implementing statistical functions.</p>	Tokyo Gakugei University		
<b>Project themes: Research on ensuring the sustainability of IRs and enhancement of their value</b>			
<p><a href="#">Digital Repository Federation(DRF)</a></p> <p>Digital Repository Federation (DRF) is a federation consisting of 85 universities and research institutions (as of October 2008), which aims to promote Open Access and Institutional Repository in Japan. DRF was established in 2006 and served a Wiki and a discussion list for sharing experiments and expertise in Open Access movements and institutional repositories. DRF has organized a set of workshops and an international conference (DRFIC2008). DRFIC2008 was held in Osaka University in January 2008 on the theme of "Open Access and Institutional Repository in Asia-Pacific", in which 193 librarian and researchers from 8 countries participated and had active and fruitful discussions. In 2008-2009 period, there are scheduled an international conference, 2 annual workshops and many regional workshops. Also DRF will cope with common issues in operating institutional repositories, such as intellectual property rights, eScience, research assessment, shared repositories, ILL/DD integration, etc.</p>	Hokkaido University	Chiba University Kanazawa University Osaka University	Otaru University of Commerce University of Tsukuba Waseda University Hiroshima University
<p><a href="#">Framework for sustainable upgrading of repositories by way of creation of a user community (Japanese)</a></p> <p>Practice usually makes perfect. Among the psychological obstacles for those librarians who are eager to launch a repository for their campus patrons, the lack of intuitive sense of real, day-to-day operation of repository is the most overwhelming. Hands-on experience without commitment to continued sustenance should unburden those apprehensive librarians of unnecessary illusory worries. Such librarians are also faced with an important decision of which software to use for their repository, with little more than official sales advertisements or informal, personal descriptions put on blogs by would-be managers of repositories. The "experience site" project here aims first at providing all librarians and other interested parties with chances of getting themselves acquainted with a set of different software environments where users of the system may compare the softwares and the technical requirements for operation and secondly at identifying possible enhancements and standardizations for the purpose of future continued and sustainable repositories, taking advantage of the participating librarians' "raw" experiences which are communicated over mailing lists and SNSs for the user community. The site will serve both the librarians who have not started repositories and those who have been managing their own.</p>	Chiba University	Osaka University Hiroshima University Shimane University	Kagawa University
<p><a href="#">Copyright policy management on open access and self-archiving (SCPJ project 2)</a></p> <p>Copyright policy management on open access and self-archiving (SCPJ project 2) takes over the mission of SCPJ project in 2006-2007. The project is aimed to develop legal protocols for managing copyright issues in an open access environment in Japan.</p>	University of Tsukuba		Hokkaido University Chiba University Tokyo Institute of Technology Kanazawa University Osaka University Kobe University
<p><a href="#">Human Resource Development for Sustainable Institutional Repositories (Japanese)</a></p> <p>A main purpose of this project is for the person in charge of institutional repository to acquire basic knowledge of web system development through the workshop, and to promote coordination between institutions. Participants of the workshop are widely gathered beyond library staffs, and it leads to develop human resource, realize sustainable institutional repositories and create new human relations.</p>	Kyushu University		Saga University Nagasaki University Kumamoto University University of Miyazaki Beppu University

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<p><a href="#">Standardization of usage statistics for IR evaluation (Japanese)</a></p> <p>This project aims to produce standardized COUNTER-compliant usage reports of IRs in Japan, which enable the managers of the libraries that host IRs to obtain standardized output reports for their evaluation of services.</p> <p>For this purpose, the Chiba University Library, as project leader, will organize a ad-hoc working group by librarians/technical people form some university libraries to discuss the standardized procedures for the processing of access log data, to monitor access by bot to be eliminated form the log, and to decide the draft format of reports. Chiba University library will also host a host a server with applications designated for the experimental process of log data submitted by the university libraries hosting IRs.</p> <p>Taking into the account of the results of such experiments and the international trends on standardization of usage statistics, a guideline will be proposed for the development of IRs, which would meet the requirements for the standardized evaluation of IR output.</p>	Chiba University		Tohoku University Kanazawa University Hokkaido University Osaka University
<p><a href="#">Research Visibility Analysis System Project (Japanese)</a></p> <p>Research Visibility Analysis System enables researchers and institutions to get a view of their research's visibility through multiple indicators including those from institutional repositories. This system helps researchers to know their visibility and work out their research strategy. Also it helps institutions to evaluate its whole research situation. The system can be used in combination with various eprint systems and researcher directory systems. The system will be provided in open source.</p>	Shinshu University		Saitama University Keio University
<p><a href="#">IRcuresILL (Japanese)</a></p> <p>Institutional Repository (IR) has the same function as Interlibrary Loan / Document Delivery service (ILL/DD) in the sense that provides scholarly information resources to remote users who want to use them. Indeed open access IR is more useful than ILL/DD because it can provide the resources to users on the spot and freely. It seems that IR has the possibility to complement ILL/DD, not to say to replace it.</p> <p>The aim of this project is to obtain the basic knowledge for using IR as the complement tool of ILL/DD and to propose a model for integrating IR and ILL/DD to advance the library function to provide the resources more efficiently from the long-term perspective. For this purpose, we plan to perform the following efforts:</p> <ul style="list-style-type: none"> <li>• survey the NACSIS-ILL log data to reveal the resources which were authored by Japanese university's researchers and were frequently requested through this system,</li> <li>• examine how many resources among them could be registered to the IR,</li> <li>• based on the above results, investigate how to integrate IR and ILL/DD and propose a practical model for them.</li> </ul>	Otaru University of Commerce		Hokkaido University Chiba University Kanazawa University Osaka University
<p><a href="#">Input/Output Activation for Research Communities to be Involved with Institutional Repositories (Japanese)</a></p> <p>This project aims to construct an environment that research communities become deeply involved with institutional repositories and activate input-output to them. Specifically, it is planned that collaboration of institutional repositories and web based editor, which helps research communities to produce their research outputs. Furthermore, the development of browsing federated search is implemented to display related contents in an institutional repository to a particular web page and enables researchers to search institutional repository unconsciously.</p>	Kyushu University	Saga University	Chiba University

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<p><a href="#">Zoological Science meets Institutional Repositories (Japanese)</a></p> <p>With the advent of the Web, many research articles are archived openly accessible with expectations to increase their visibility. And there are research reports that Open Access articles are cited more than non Open Access articles.</p> <p>But these research reports do not consider the method of archive as Open Access, and they don't analyze research citation impact with the focus on only institutional repositories.</p> <p>Do Open Access articles in the institutional repositories really increase research citation impact? We challenge to analyze it in this project. We deposit the articles in "Zoological Science" in the institutional repositories in cooperation with Zoological Society of Japan and we will analyze it in more detail from a long-term perspective.</p>	Hokkaido University	Kyoto University	Chiba University Kanazawa University Osaka University
<b>Project themes: Surveys and research concerning the possibility of collaboration between e-Science projects and IRs</b>			
<p><a href="#">In vivo experiment of data curation for repository-based e-Science (Japanese)</a></p> <p>The project aims at establishing good practices for capitalizing institutional repositories currently under development in collaboration with research institutes in various subject areas in order to promote scientific research based on sharable data and communicative interaction, which requires a standardized set of metadata across different research interests, from bibliographical references to research results, to publicly searchable descriptions of images and to administrative details of data curation, as well as a community platform on which researchers with diverse backgrounds would exchange ideas, hypotheses and perspectives on top of the data they have common access to.</p> <p>The main goals of the two year project include (1) the design, implement and field test of an innovative platform on which tools and development environments are available for tagging images with interoperable metadata suitable for uses by various communities of researchers and students with different needs for data, and (2) the development and appraisal of the platform system in terms of the usability of institutional repository as an effective and efficient management system for intellectual inputs and outcomes for research and higher education with special attention to the demands from campus communities.</p>	Chiba University		Kanazawa University Kyushu University Hokkaido University Osaka University