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<th>Institutional Repositories in Korea</th>
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Osaka University Knowledge Archive : OUKA

https://ir.library.osaka-u.ac.jp/repo/ouka/all/

Osaka University
Institutional Repositories in Korea

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Agenda

- Open Access in Korea
- Background of IRs in Korea
- Overview of dCollection
- Activities for Facilitating IRs
- Good Practices of Content Recruiting in IR
- Future Plans and Possibilities
Open Access in Korea

- Institutional Repositories
  - IRs based on dCollection system developed by KERIS (Korea Research & Information Service)
  - IRs based on DSpace

- Open Access Journals
  - *Academic Society Village* hosted by KISTI (Korea Institute of Science and Technology Information)
  - Academic scholarly journals captured and disseminated via dCollection homepage and RISS4U

- Open Access Forum in preparation sponsored by KRF (Korea Research Foundation)

Background of IRs in Korea

<table>
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<th>Libraries</th>
<th>Institutions / Universities</th>
<th>Researchers / Students</th>
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| • Want to access scholarly outputs freely  
  • Want to capture, manage, archive & preserve institutional scholarly assets in an efficient way  
  • Want to strengthen their role as an institutional knowledge manager ... | • Want to preserve institutional assets  
  • Want to enhance the university’s competitiveness & awareness by increasing their research outputs’ visibility ... | • Want to let their research outputs more visible & available to other researchers  
  • Want to search more effectively  
  • Want to access scholarly documents more freely & faster ... |
| KERIS | Institutional Repositories  
  e.g. dCollection | I’ll focus on IRs based on dCollection |

I’ll focus on IRs based on dCollection
Overview of dCollection

- dCollection denotes digital Collection
- Open access institutional repository system developed since 2003 by KERIS
- Platform to capture, manage, distribute, and preserve the metadata and/or fulltext of scholarly outputs produced in universities
- System for self-archiving, harvesting, control and service of scholarly outputs
- One of major collaborations among Korean academic libraries

Overview of dCollection (continued)

- Uses metadata based on extension of DC with additional elements
- Harvests metadata and full-text URL to KERIS central system using SP(Service Provider) module of OAI-PMH
- Expands services to end-users by transferring dCollection DB to RISS integrated DB on RISS4U website
- Provides standard interface by using OAI-PMH v2.0 for distributing metadata
Overview of dCollection (continued)

- Used in 215 universities as of Dec., 2007 since 4 university libraries participating in pilot project in 2003, including
  - 138 academic libraries using web-based hosting system
  - 63 active academic libraries
- Over 538,707 items in service as of Jan., 2008 including
  - 412,364 dissertations/theses (76.5%), 126,343 articles (23.5%)
  - about 104,930 items newly deposited since dCollection was installed, others transferred from older digital libraries
Activities for Facilitating IRs

- Working committees on the basis of librarians' active participation in
  - Standardizing metadata and workflow
  - Discussing functional requirements for enhancing dCollection system
  - Issuing guidelines about describing metadata, promoting IR, content recruiting, etc.

- Development of best practices through 'Model University Library Program', such as
  - Preparation of Univ. regulation for digital submission of theses
  - Contract with research institutes in the Univ. to participate in IR
  - Connecting Univ.'s performance DB with IR
Activities for Facilitating IRs (continued)

- Research projects cooperated with researchers and librarians such as
  » Building the Management Model for the National Consortium of Institutional Repositories (2005)

Conceptual Diagram of IR Workflow

Self-Archiving of Dissertations/Theses

- Digital submission of dissertation/thesis became regulatory in most of universities
- Graduate students self-archive dissertations/theses
- Graduate students may agree for OA and use CC for copyright condition
- Submitted files are converted automatically into PDF format
- Librarians proofread metadata and verify converted file status

On-line Submission Workflow

- Authorization
- C/C selection
- Metadata Input
- Final submission
- File upload
- Consent of copyright
-PDF convert
- verify
- retrieve

Verify Workflow by the Community manager

Capturing University Units’ Publications

- Capturing research outputs created by research units in the university, such as scholarly journals, research papers, etc.
- Under contract with research institutes, academic societies, and laboratories, etc.
- Can be mediated by librarians or deposited by individual units
- May provide fulltext with embargo (in delayed open access) on a research unit’s request

- e.g. Ewha Womans Univ.’s, Pusan Univ.’s IR
Capturing University Units’ Publications

Asian Journal of Women’s Studies with 2 years embargo

Connecting IR with Univ. Performance DB

- Capturing scholarly outputs by connecting IR with university performance database for
  » collecting research outputs produced by faculties exhaustively
  » reducing redundant work to submit metadata
- Submission of research list into performance system is mandatory in many universities
- Pilot project ongoing in Ewha Womans Univ.’s IR (dCollection EWHA) in cooperation with the Univ. Research Support/Grants Office
Connecting IR with Univ. Performance DB (Pilot Project)

- Work with Univ. Research Support/Grants Office
  To Share Information About Univ. Research Performance DB

- Work with Univ. IT Center
  To Develop Connecting Program and Share Database

- Work with Research Project Team and KERIS
  To Discuss About Metadata Extension and Program Enhancement

- Work within Library
  To Establish Policies About Workflow, Support for Early Adopters

  Initiate Contact with a faculty in Early Adopters and Work with them
  To Identify their needs, Request Participation in IR and Sharing Agreement

- Work with Early Adopters
  For Deposit of F/T and Additional Copyright Consent Required by Publishers

Over 2,200 metadata produced by College of Pharmacy Faculties is prepared and we acquire agreement about IR involvement, as of Dec. 2007.

Connecting IR with Univ. Performance DB (Connection Flow)

NEW
Research Data
Transmit Data Automatically

Research ID
Document type
Document ID
Bibliographic Info.
Status (NEW)

dCollection DB

LOGIN
Researcher Info.
Select
Community/Collection
Review Metadata
Consent Copyright
Upload Fulltext
Confirm Submission

Self-archive
Fulltext?

Performance Data Management System
dCollection EWHA
Connecting IR with Univ. Performance DB
(Services in Preparation for Early Adopters)

- Embedding IR search page into department’s homepage
- Management of research lists, fulltext, and data in IR
- Creation of research lists in various format

Future Plans and Possibilities

- Developing additional services to increase faculties’ and university units’ participation, such as researcher’s and community’s pages (2008)
- Functional enhancement of IR system to handle preprints’ and postprints’ additional information more efficiently, such as publisher’s copyright policy, etc. (2008)
- Constructing copyright database which covers Korean scholarly publisher’s policies related with IR (2008)
Future Plans and Possibilities (continued)

- Extending metadata to describe materials with various types and preparing guidelines about metadata (2007-)
- Considering adaptation and/or crosswalks of E-Learning materials
- Considering the connection IR with electronic journal publishing system
- Considering overseas dissemination of Korean open access IR database

Thank You!

ありがとうございます。
감사합니다.