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Institutional Repositories in Korea

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DRF International Conference 2008
Open Access and Institutional Repository in Asia-Pacific
30th and 31st January, Osaka, JAPAN

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)

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Background of IRs in Korea

**Libraries**
- 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 a institutional knowledge manager

**Institutions / Universities**
- 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

**Institutional Repositories**
- e.g. dCollection

**Researchers / Students**
- Want to improve management of national knowledge through university libraries
- Want to search more effectively
- Want to access scholarly documents more freely & faster

**KERIS**

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)*
  - *Evaluation Model for the National Consortium of Institutional Repositories of Korean Universities (2006)*

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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

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*

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- Connect 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

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

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Connecting IR with Univ. Performance DB
(Connection Flow)
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.