Ten Years History and Experience of KERIS for E-Resource Management and Sharing

Park, Hong Seok (honspark@keris.or.kr)

Academic Research Information Center
Contents

1. Overview of KERIS Business
2. Overview of KERIS Services
3. Management of Domestic e-Resources
4. Management of Foreign e-Resources
1 Overview of KERIS Business
1. Chronology

Apr. 1999  Establishment of Korea Education and Research Information Service
Nov. 2000 ~ National Research Information Digitization Project (1st ~ 7th)
May 2001  KERIS assigned as “National Education and Research Information Center” by the Ministry of Information and Communication
Nov. 2002  Sharing Bib. data with NII (National Institute of Informatics, Japan)
Nov. 2003  RISS Membership extended to all 4-year universities in Korea
Jan. 2004  Began implementing dCollection system
Nov. 2005  Sharing Bib. data with CALIS (China Academic and Library Information System)
Dec. 2005  RISS converted to UNICODE base
May 2007  RISS Individual Membership surpassed 1 Million
Nov. 2007  Launched RISS International
Jan. 2008  Started ILL system Linkage with NII, Japan
Dec. 2008  Launched KOCW (Korean OpenCourseWare)
Mar. 2010  Korea-China ILL Service with CALIS started
## 2. Key Statistics

(* Unit: 10,000)

<table>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
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<td>96</td>
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<td>8</td>
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<td>25.6</td>
<td>40</td>
<td>53</td>
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<td>79</td>
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<td>36,257</td>
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</tbody>
</table>
Overview of KERIS Services
1. Library Contents and Service Network

Union Catalog

- **Bibliographic data of universities and special libraries in Korea**
  - 8.6 M Bibliographic records located at 616 member libraries
  - International Resources: 11 M Bib records (OCLC, LC, NII, CALIS)
  - Contains catalog data of newly published materials of Korea

- **Quality Assurance for the Union Catalog**
  - Operates the MARC Standardization Committee
  - Distributes Web based Union Catalog Information (Webzine, bimonthly) of KORMARC Standards
1. Library Contents and Service Network

Union Catalog

**Institutional Membership (Libraries)**

**Annual Stats.**

<table>
<thead>
<tr>
<th>Year</th>
<th>1998</th>
<th>1999</th>
<th>2000</th>
<th>2001</th>
<th>2002</th>
<th>2003</th>
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<tr>
<td>No.</td>
<td>148</td>
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<td>204</td>
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<td>425</td>
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<td>506</td>
<td>545</td>
<td>569</td>
<td>597</td>
<td>616</td>
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</table>

**Institutional Membership by Library Types**

<table>
<thead>
<tr>
<th>Type</th>
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</thead>
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<tr>
<td>University Lib.</td>
<td>427</td>
</tr>
<tr>
<td>Professional Lib.</td>
<td>189</td>
</tr>
<tr>
<td>Total</td>
<td>616</td>
</tr>
</tbody>
</table>

- University Libraries: 69%
- Professional Libraries: 31%
1. Library Contents and Service Network

ILL/DDS

- DDS & Loan of materials located at other member libraries

Available Materials include:
- Materials located at 517 university libraries (Book Loan: 254 member)
- Medical resources located at 183 medical libraries (universities & hospitals)
- Materials (Journal Articles) located in foreign countries
  - ILL/DDS with 110 member libraries of NII, Japan over ISO ILL protocol
  - ILL/DDS service with 600 member libraries of CALIS, China
    (Agent-based trial service: 2009. 12 ~, Full service: 2010. 3~)
- DDS via Infotrieve in Australia for journal articles published in 35,000 research journals and proceedings from 16,000 scholarly conferences
Institutional Membership (Libraries)

**Annual Stats.**

<table>
<thead>
<tr>
<th>Year</th>
<th>1998</th>
<th>1999</th>
<th>2000</th>
<th>2001</th>
<th>2002</th>
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<th>2004</th>
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<th>2007</th>
<th>2008</th>
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<tbody>
<tr>
<td>No.</td>
<td>-</td>
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<td>243</td>
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<td>590</td>
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<td>669</td>
<td>683</td>
<td>700</td>
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</table>

**Institutional Membership by Library Types**

<table>
<thead>
<tr>
<th>Library Type</th>
<th>No.</th>
</tr>
</thead>
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<td>WILL</td>
<td>517</td>
</tr>
<tr>
<td>MEDLIS</td>
<td>183</td>
</tr>
<tr>
<td>Total</td>
<td>700</td>
</tr>
</tbody>
</table>

**Pie Chart:**
- MEDLIS: 27%
- WILL: 74%
### 2. Fulltext Service

#### Journal Articles, Theses & Dissertations

- **Journal Articles published in Korea**
  - Integrated search of digitized research findings from Korean Scholarly Communities

- **Theses & Dissertations**
  - Integrated search of digitized theses & dissertations produced by Korean Universities

- **Full-text: Stats.**

<table>
<thead>
<tr>
<th></th>
<th>Theses &amp; Dissertations</th>
<th></th>
<th>Journal Articles</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inst.</td>
<td>No. of Fulltext</td>
<td>No. of Downloads*</td>
</tr>
<tr>
<td></td>
<td>190</td>
<td>794,000</td>
<td>806,000</td>
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</table>

* Number of Downloads per month
2. Fulltext Service
# 3. Foreign Research Database(s)

- **National Licenses**: targeting core foreign research database(s) by subjects
- **Co-purchasing Consortia**: strengthening buying & negotiation power

<table>
<thead>
<tr>
<th>No. of DBs</th>
<th>Purpose</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Licenses</td>
<td>14(SSCI&amp;AHCI, Scopus, ACM, PML, PQDT, LC CDS/OCLC Cataloging, JCR, Westlaw, DDOD, LION, OED, OCLC NetLibary eBook, CiNii, SocINDEX w/FullText)</td>
<td>Participating institutions gain access through their own library homepages Non-participants have free access through RISS</td>
</tr>
<tr>
<td>Co-Purchasing Consortia</td>
<td>Increases Buying Power &amp; Negotiations Power of local univ. lib.</td>
<td>Available for participants of the consortia only Through consortia, price transparency and negotiation power assured.</td>
</tr>
</tbody>
</table>
4. RISS International

What is RISS International

- Distinctive gateway to extensive academic resources produced in Korea
  - Over 2.4 M fulltext & 4.8 M Bibliographic records
  - The only service supplying access to extensive Korean resources targeting institutions and researchers abroad

Major Features

- Integrated search of KERIS Union Catalog, Korean Journal Articles and Theses & Dissertations
- Full-text download/MARC download (converted to MARC21)
- International ILL/DDS
- Direct import to citation management packages such as RefWorks
- Members: Harvard, UCLA, Cornell, Univ. of Texas (Austin), Berlin National Library, EHESS, UCI
5. Professional Activities for University Librarians

Annual Events & Training

- Annual Conference for University Librarians
- Workshops for special interest groups
  - Develop library professionals
  - Special Interests: Cataloging, ILL/DDS, Reference, Library Systems
- KERIS Symposium (annual)
  - Focuses on Higher Education and research supports
- Regular training sessions for new library processional
  - Sessions include UNICAT and WILL
KOCW (Korea Open CourseWare) is a nation-wide educational contents sharing service for Higher Education in Korea (as of July 2010)

<table>
<thead>
<tr>
<th></th>
<th>Institutions</th>
<th>OCW</th>
<th>OER</th>
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<tbody>
<tr>
<td>Korean</td>
<td>94</td>
<td>903</td>
<td>9,934</td>
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<tr>
<td>Overseas</td>
<td>11</td>
<td>633</td>
<td>42,851</td>
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<tr>
<td>Total</td>
<td>105</td>
<td>1,536</td>
<td>52,785</td>
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</table>
6. Korea OpenCourseWare (KOCW)

* KOCW (Korea Open CourseWare): http://www.kocw.net
6. Korea OpenCourseWare (KOCW)

Articles

Books

Video Lecture

Dissertations
MOBILE KOCW: launched by June 2010 with iPhone application
3 Management of Domestic e-Resources
One-Stop gateway from the production to the distribution of research outcomes of universities and affiliated research institutions
2. dCollection System Configuration

dCollection (Hosting by KERIS)

- Online Submission
- Management System
- PDF Converter
- Central System
- Local Searching
- OAI(DP)
- Full-Text

dCollection (Library Installation)

- Online Submission
- Management System
- PDF Converter
- Local Searching
- OAI(DP)
- dCollection DB
- Full-Text

dCollection (Federated)

- Digital Library
- OAI(DP)
- DL DB
- LAS DB
3. dCollection Operation

- **dCollection: Member Institutions**

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</table>

- **dCollection: # of Items Registered for Last 5 Years**

<table>
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<td>2008</td>
<td>3,027</td>
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- **# of Article and Thesis**

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<td>40</td>
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<td>63</td>
<td>70</td>
<td>79</td>
</tr>
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</table>
이화여자대학교 dCollection - Microsoft Internet Explorer

[웹사이트 내용]

활용 방법
- 본문문의 본문(확대값)을 입력하는 방법입니다.
- 서류,문서 그리고 문서작성 내용이 담긴 있는 복사,복제를 입력하고 있습니다.
- 원본문서파일(hwp, doc 등) 파일을 정부는 사용을 반드시 입력 해야하는 방법입니다.
- 복제함께 야광록(복사)을 담긴 문서를 복제해 봉인하여야 합니다.
- 일반적으로 복사본은 작성자들에 있는 본문의 복제내용을 복제해서
  복제할 수 있습니다.
- 본문에 사용하는 기본 자료가 되기 때문에 복제 내용과 복제에 가리키는
  복제자에 결합한 정보를 입력해야 합니다.

목차(목차표)

1. 1.1 PURPOSE AND SCOPE 1-1
1.2 APPLICABILITY 1-1
1.3 RATIONALE 1-2
### dCollection 검색

**일반검색** | **고급검색** | **디렉토리검색**
---|---|---

![dCollection 검색](image)

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<th>NO.</th>
<th>제목 ▲</th>
<th>저자 △</th>
<th>발행처 △</th>
<th>발행년도 △</th>
<th>자료유형 △</th>
<th>원문</th>
<th>소 ort</th>
<th>목차</th>
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<td>李鍾鉉</td>
<td>이화여자대학교 대학원</td>
<td>1991</td>
<td>학위논문</td>
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### 결과내 검색

전체 ▼ | 검색 | 제 입력 |
---|---|---

Copyright © 2003 by Ewha Womans University Library. All rights reserved. E-mail to Webmaster
서울특별시 서대문구 대현동 11-1 이화여자대학교 중앙도서관 (우) 120-750
Management of Foreign e-Resources
## 1. Changes of Subscription for Foreign DB’s

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<th>2009</th>
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<td>18.6</td>
<td>22.9</td>
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<tr>
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<td>Portion of Budget</td>
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### 2. KERIS Consortia Models

- National academic license versus co-purchasing consortia

<table>
<thead>
<tr>
<th></th>
<th>National academic license</th>
<th>co-purchasing consortia</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concept</strong></td>
<td>nationwide academic site licensing model</td>
<td>co-purchasing model among universities and non-profit institutions</td>
</tr>
<tr>
<td><strong>Content</strong></td>
<td>web databases, e-book, e-journal</td>
<td>web databases, references etc.</td>
</tr>
<tr>
<td><strong>License</strong></td>
<td>participating libraries &amp; non-participating libraries (academic users registered in RISS)</td>
<td>participating libraries ONLY</td>
</tr>
<tr>
<td><strong>Status</strong></td>
<td>14 Web DBs &amp; e-books</td>
<td>111 DBs, 187 institutions</td>
</tr>
</tbody>
</table>
2. KERIS Consortia Models

Co-Purchasing Consortia

- International Resources
  - Web DB
  - Online journals
  - E-Book

- Service Available
- Not Available

- Participating Lib.
- Non-Participating Lib.

- Expected Benefit
  - Participating
  - Non-Participating

Availability: only Participating Libraries

National Academic Licenses

- International Resources
  - Web DB
  - Online journals
  - E-Book

- Service Available
- Not Available

- Participating Lib.
- Non-participating Lib.
- Universities in Korea

- Expected Benefit
  - Participating
  - Non-Participating

Availability: All universities
• KERIS subsidy policy for academic licenses
  – Subscription matching-fund consortium: between 25 ~ 30% of the total license fee
  – Permanent ownership consortium: 50 ~ 100% rate
  – Subsidy benefits: small libraries, researchers

• KERIS pricing models
  – Criteria of KERIS pricing models: FTE
    ➔ no. of graduate school enrollment & no. of researchers
3. KERIS Electronic Resource Committee

- **KERIS Academic License Committee**
  - Consisting of 10 professional librarians
  - 5 members from national universities, 5 from private universities
  - 1-2 academic license DB’s allocated to a member for negotiation

- **Electronic Resources Co-purchasing Committee**
  - Consisting of 4 profession librarians
  - All the DB’s for co-purchasing are checked by committee members for price and usage condition
  - Especially focusing on the DB of price higher than the suggested price guideline
### 4. Usage Analysis of Academic License DB’s

<table>
<thead>
<tr>
<th></th>
<th>KERIS Subscription Fee</th>
<th>University Subscription Fee</th>
<th># of Subscribing Universities</th>
<th># of Search</th>
<th># of Download</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB3</td>
<td>30.40%</td>
<td>69.60%</td>
<td>36</td>
<td>0.20%</td>
<td>2.60%</td>
</tr>
<tr>
<td>DB6</td>
<td>17.70%</td>
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<td>DB8</td>
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5. KERIS Academic License Collection

- ACM Portal: Association for Computing Machinery Portal
- EBSCOhost Premier Package: ASP & BSP (2001)
- JCR Web: Journal Citation Report on the Web
- LexisNexis Academic (2001)
- EBSCO netLibrary eBook
- PDU: ProQuest Dissertations Unlimited
- PML: ProQuest Medical Library
- ProQuest Central / Academic Research Library (2001)
- Scopus
- SocINDEX Full Text etc.
5. KERIS Academic License Collection

- Available from 16:00PM to 9:00AM
  : ACM Portal, LexisNexis Academic, netLibray eBook, PQDT

- Available from 17:00PM - to 9:00AM
  : EBSCOhost Premier Package(ASP/BSP), PML, ProQuest Central/ARL, Scopus, SocINDEX with FT
6. KERIS Digital Archives

- **DDOD : Digital Dissertation on Demand**

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- **e-Book**

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### 7. KERIS Co-purchasing Consortium

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8. Business Principles

- **Selection Criteria for Academic License**
  - High need in survey, high participation in the consortium
  - Broad coverage with full-text
  - Digital archive for long-term use as nation asset
  - Affordable price and usage condition

- **Negotiation Principle for Co-purchasing**
  - Price guideline (annual increase less than 3-5%)
  - Exception from the guideline for the DB of usage much higher than in the previous year
Thank you