Services provided by KERIS relating to academic research information and open courseware of Korea

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Academic Research Information Center
Contents

1. Challenging Environment
2. RISS: Statistics
3. RISS: Main Features
4. RISS 2.0 and KOCW
Challenging Environment
Research challenges and the global IT environment
- resources sharing over global scholarly network are being steeply increased
- search engines including Google revolutionized scholarly communications and researchers’ information access

Web 2.0 and Scholarly Communications
- collaborative work environment among researchers extended beyond physical locations
- New interactive research environment emerged in virtual reality
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
RISS: Main Features

1. Library Contents and Service Network
2. Fulltext Service
3. Foreign Research Database(s)
4. RISS International
5. Professional Activities for Librarians
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>
<th>2004</th>
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<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>148</td>
<td>154</td>
<td>204</td>
<td>306</td>
<td>366</td>
<td>425</td>
<td>460</td>
<td>506</td>
<td>545</td>
<td>569</td>
<td>597</td>
<td>616</td>
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</tbody>
</table>

- Institutional Membership by Library Types

<table>
<thead>
<tr>
<th>Library Type</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<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>

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

### ILL/DDS

#### Institutional Membership (Libraries)

##### Annual Stats.

<table>
<thead>
<tr>
<th>Year</th>
<th>1998</th>
<th>1999</th>
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<th>2001</th>
<th>2002</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>-</td>
<td>70</td>
<td>109</td>
<td>243</td>
<td>316</td>
<td>526</td>
<td>558</td>
<td>590</td>
<td>652</td>
<td>669</td>
<td>683</td>
<td>700</td>
</tr>
</tbody>
</table>

##### Institutional Membership by Library Types

<table>
<thead>
<tr>
<th>Library</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<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>
2. Fulltext Service

**dCollection**

- One-Stop gateway from the production to the distribution of research outcomes of universities and affiliated research institutions

<table>
<thead>
<tr>
<th>System</th>
<th>Search (on campus only)</th>
<th>Integrated Search (RISS)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CC License</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Author</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Journal/vol./no.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Item (Article)</td>
<td></td>
<td>Fulltext</td>
</tr>
<tr>
<td>(Author) Online Submission</td>
<td>Administrative System</td>
<td>PDF Convertor</td>
</tr>
</tbody>
</table>

**dCollection: Member Institutions**

<table>
<thead>
<tr>
<th></th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of Inst.</td>
<td>4</td>
<td>20</td>
<td>40</td>
<td>62</td>
<td>206</td>
<td>206</td>
<td>206</td>
</tr>
</tbody>
</table>
2. Fulltext Service

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

|-------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------|
|                   | No. of DBs | Participating institutions gain access through their own library homepages  
|                   | Conditions | Non-participants have free access through RISS                                                                                   |

<table>
<thead>
<tr>
<th>Co-Purchasing Consortia</th>
<th>Purpose</th>
<th>Increases Buying Power &amp; Negotiations Power of local univ. lib.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. of DBs</td>
<td>111</td>
</tr>
</tbody>
</table>
|                         | Conditions | Available for participants of the consortia only  
|                         |                                      | Through consortia, price transparency and negotiation power assured.       |
3. Foreign Research Database(s)

**Co-Purchasing Consortia**
- Participating Institutions: Co-Purchasing Consortia
- Non-Participating Institutions: Group and Run Consortia

**Publishers/Aggregators**
- Database
- Journal
- eBook

**National Licenses**
- Participating Institutions: National Licenses
- Non-Participating Institutions: KERIS

**Publishers/Aggregators**
- Database
- Journal
- eBook

**Service Available**
- Participating Institutions
- Non-Participating Institutions

**Universities in Korea**

**Available to researchers of all universities in Korea**
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
4. RISS International

Welcome to RISS International

- News & Events
- Membership
- About RISS International

Search for:

ex) "교육", "education"

If "Articles" is selected, your results are displayed Articles first.
RISS 2.0 and KOCW

1. RISS 2.0
2. Korea OpenCourseWare (KOCW)
1. RISS 2.0

- **Comprehensive resources**
  - Integrated search of RISS and KOCW (Korea Open Courseware)
  - Contents: Union Catalog + e-Learning Contents + Open Resource + Non-traditional materials

- **Enhanced User Participation**
  - Knowledge donation, Mileage Service

- **Links to extensive professional resources on the web**
  - Link to the research findings of other related institutions
  - Personalization: Researcher Page, Blog, RSS sharing
  - Open Scholarly Communities
KOCW (Korea Open CourseWare) is a nation-wide educational contents sharing service for Higher Education in Korea.

Developed and being operated by Korea Education & Research Information Service (KERIS) since its launch in 2007.
I. What is KOCW?

* KOCW (Korea Open CourseWare): http://www.kocw.net
Government funded projects for Higher Education began producing OCW and uploading them to KOCW → landing toward “National Academic Information Service” by 2010

MASH UP: KOCW elaborated its search by providing OCW and its related academic resources, i.e. journal articles and dissertations
## II. Contents

<table>
<thead>
<tr>
<th></th>
<th>Institutions</th>
<th>OCW</th>
<th>OER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Korean</strong></td>
<td>94</td>
<td>903</td>
<td>9,934</td>
</tr>
<tr>
<td><strong>Overseas</strong></td>
<td>11</td>
<td>633</td>
<td>42,851</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>105</td>
<td>1,536</td>
<td>52,785</td>
</tr>
</tbody>
</table>

( as of July 2010)
2. Korea OpenCourseWare (KOCW)

II. Contents
MOBILE KOCW: launched by June 2010 with iPhone application
2. Korea OpenCourseWare (KOCW)

V. Further Development

Mobile Web (‘11)

- iPhone App (June. ‘10)
- Android App (Sep. ‘10)
- Other OS App (4th Q)
2. Korea OpenCourseWare (KOCW)

V. Further Development

ONE STOP SHOPPING: BOTH RESEARCH INFORMATION AND LECTURE

RISS
- Research Information
  - Internet sites
  - Mobile web

KOCW
- Open Courseware
  - Internet sites
  - Mobile web
Thank you

Thank you

ありがとうございます。

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