

*2014 SPARC Japan Seminar*

# OA Activities in Korea

2014. 02. 07. FRI  
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Korea Institute of Science and Technology Information

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- III Open Access Korea(OAK) Project**
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# Gold Road in Korea

# 1. Medicine & Healthcare Community

- Korean Academy of Medical Sciences(KAMS) initiated Gold OA Activities Firstly in Korea by developing Electronic Journals with existing English Written Medical Journals for the purpose of Globalization
- KAMS members agreed to cover the cost for XML based Quality Journal Publishing which is one of NIH PMC requirements
- Organized 'KAMJE(Korea Association of Medical Journal Editors)' to carry out concerned project

# 1. Medicine & Healthcare Community

- Developed KoreaMed to provide I&A Services for 210 Journals, most of which are FA/OA
- Developed KoreaMed Synapse to provide Digital Archive and Reference Linking Services. All of 147 Journals in the Synapse Platform are OA ones with CCL

**KAMJE**  
KOREAN ASSOCIATION  
OF MEDICAL  
JOURNAL EDITORS

## KoreaMed

Search KoreaMed for

About KoreaMed

- Enter one or more search terms.
- Enter author names as Jang YS. Initials are optional.
- Enter journal titles in full or as MEDLINE abbreviations. Use the [Journal Browser](#) to find journal titles.

**KoreaMed**, a service of the Korean Association of Medical Journal Editors (KAMJE), provides access to articles published in Korean medical, dental, nursing, Nutrition and veterinary journals. Its current coverage is focused on the literature published since 1997. KoreaMed records include links to full-text content in Synapse and publisher web sites.

**KoreaMed**

The gateway to articles published in Korean medical journals.

KoreaMed Mobile  
Journals in KoreaMed  
KoreaMed Journal Browser  
KoreaMed Linkout

**Synapse**

The digital archive & reference linking platform of Korean medical journals.

Synapse Mobile  
Journals in Synapse  
Synapse Journal Browser

**KoMCI**  
Korean Medical Citation Index

**WorldWideScience.org**  
The Global Science Gateway

**Crossref**  
MEMBER  
POWERED BY MEDICAL JOURNALS

**CrossMark**  
click for updates

**Synapse**

A Digital Archive & Reference Linking Platform of Korean Medical Journals

## Synapse

Search Synapse for "parasitology"

About Synapse  
Overview  
Help  
Disclaimer

Pub Date  Display: 20  
Items 1-20 of 1478

**Launching a New Section for the Journal of Korean Medical Science: Focusing on Editing, Writing, and Publishing Issues**  
Hong ST.

J Korean Med Sci. 2014 Jan;29(1):1-1. English. Editorial. [Open Access](#)  
Published online 2013 December 26. <http://dx.doi.org/10.3346/jkms.2014.29.1.1>  
[ABSTRACT](#) | [ARTICLE](#) | [PUBREADER](#) | [PDF](#) | [FIGURES+TABLES](#) | [REFERENCES](#) | [Links to KoreaMed](#) | [Journal](#)

**Peer Review in 2013: More Supports than Neglects**  
Hong ST.

J Korean Med Sci. 2014 Jan;29(1):155-160. English. Editorial. [Open Access](#)  
Published online 2013 December 26. <http://dx.doi.org/10.3346/jkms.2014.29.1.155>  
[ABSTRACT](#) | [ARTICLE](#) | [PUBREADER](#) | [PDF](#) | [FIGURES+TABLES](#) | [REFERENCES](#) | [Links to KoreaMed](#) | [Journal](#)

**Preventive and Therapeutic Effects of *Anisakis simplex* Larval Protein in a Mouse Model of Crohn'S Disease**  
Cha HJ, Ock MS.

Kosin Med J. 2013 Dec;28(2):107-113. English. Original Article.  
Published online 2013 December 26. <http://dx.doi.org/10.7180/kmj.2013.28.2.107>  
[ABSTRACT](#) | [ARTICLE](#) | [PUBREADER](#) | [PDF](#) | [FIGURES+TABLES](#) | [REFERENCES](#) | [Links to KoreaMed](#) | [Journal](#)

**Chemopreventive and metabolic effects of inulin on colon cancer development**

## 2. Sci & Tech Community

- **KISTI's S&T Society Village**
  - Started this service in 1997 by benchmarking of J-STAGE, and has been providing Free Access to total **889 S&T Society Journals and 664,416 Articles**(137,297 with DOI)
  - This Service is based on Mutual Agreement between S&T Societies and KISTI, without any concept/intention of “Open Access” in the beginning
- **KISTI's OAK Project**
  - Developed 25 Journals(10,013 articles) conforming to Gold Road processes in collaboration with KOFST(Korea Federation of Science and Technology Societies)
- **Korea Association of S&T Journal Editors under KOFST**
  - Influenced by KAMS, KOFST organized Korea Association of S&T Journal Editors to help KISTI develop OA Journals
  - Employed OA Criteria for Evaluation of Society Journals since 2012
- **KISTI's KoreaScience**
  - a DOI Landing Page for Global Disseminations of Selected Journals: 359 titles listed now
  - 338 Journals among them are FA/OA Journals
- **KISTI's K-Pubs**
  - Building an Integrated Platform is under way to technically facilitate Full Life Cycle of Publishing thru Global Dissemination of S&T Societies' Journals
  - All of produced data on the Platform will be Open to the Public
  - It will be integrated with existing Peer Review S/W(ACOMS int'l ver.), DOI system, CrossRef, PDF2XML Workbench, Korea Science Citation Index and new added Functions together with necessary Tools and Accessories

# 2. Sci & Tech Community

- K-Pubs

**S&T Society Village**  
과학기술학회마을

**ACOMS**  
학회논문투고관리시스템  
Article Contribution Management System

**doi>** **cross check** **ssref** **CITEDBY**  
Powered by iThenticate  
KOREASCIENCE  
REFERENCE LINKING PLATFORM OF KOREA S&T JOURNALS

**LAW** **OPEN ACCESS** **XML**  
www.plos.org

**KSCI**  
한국과학기술인용색인서비스  
Korea Science Citation Index Service

Integrated Platform



Journal Publishing & Global Dissemination



## **3. Humanity & Social Sci Community**

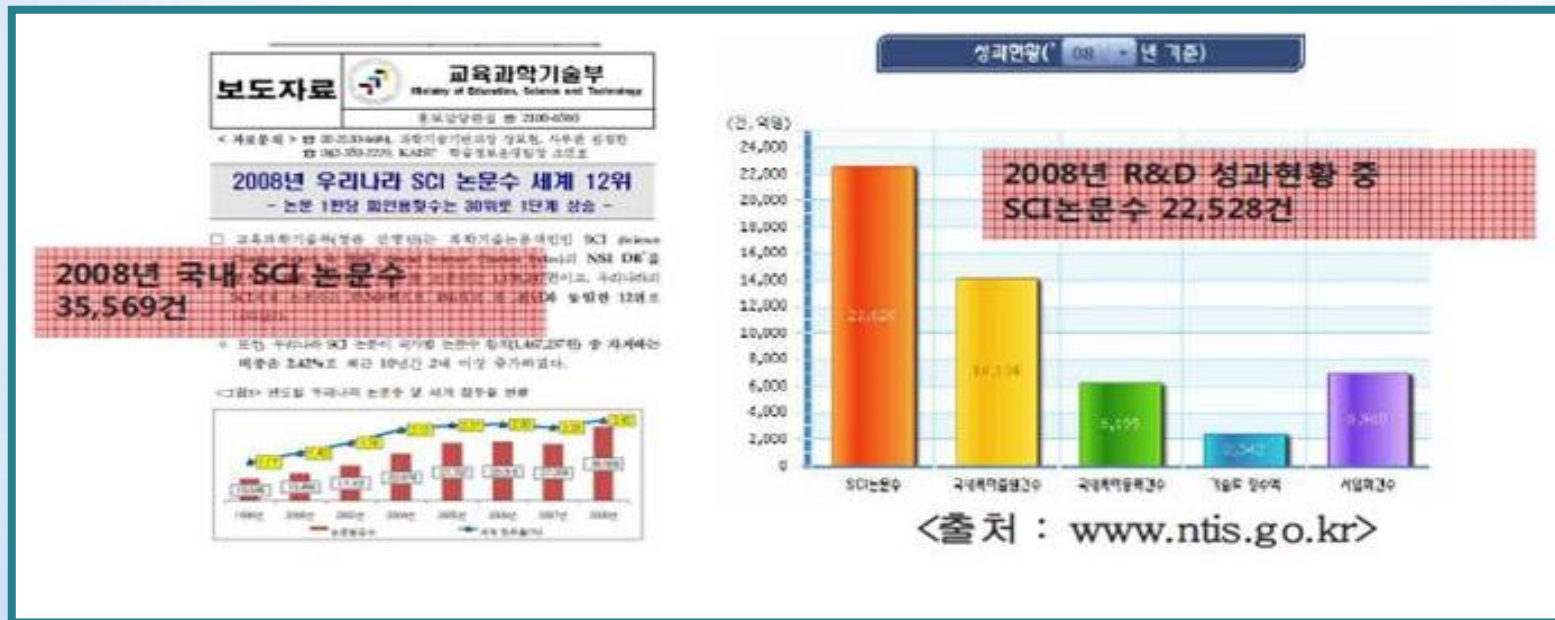
- **NRF came to have more understanding of and interest in OA by joining in GRC activities**
  - ✓ Since 2012 NRF is responsible for funding of Humanity & Soc Sci Journals, KOFST, S&T Journals
- **NRF also employed new evaluation criteria for encouraging OA journal publishing for Humanity & Social Science Journals from 2012**
  - ✓ Private Information Providers are strongly against NRF's and KOFST's OA policies
- **NRF is planning to build a OA Repository for the funded journal articles**
- **Concerned Community People have comparatively lower understanding and needs of OA than other Communities**



# 4. Government funded R&D resulted Scholarly Articles

## • Critical Mind about Subscription Payment for Government funded R&D resulted Scholarly Articles

- ✓ 63% of Korean Articles published on SCI Journals are Government Funded
  - \* **SCI articles(year 2008): 35,569 vs Government funded SCI articles 22,528 → 63%**
- ✓ Korean People have to pay to overseas publishers to read over 60% of SCI articles even if they were resulted with Government funds



## 4. Government funded R&D resulted Scholarly Articles

- Making a Public Access Law for Publicly Funded Research Articles has been failed due to concerned Ministry(MCST)'s Passive Responses
- MOHW established, however, a Regulation mandating Public Access in 2012
  1. Minister should build a database of research outputs and make it open to related research, industry, and academic communities
  2. Minister should designate KNIH as a dedicated agent to open and share those research outputs
  3. Minister should Link the Database to NTIS for further dissemination of the research outputs

- ✓MCST: Ministry of Culture, Sports, Tourism
- ✓MOHW: Ministry of Health & Welfare
- ✓KNIH: Korea National Institute of Health



## Green Road in Korea

# 1. University IRs

## KAIST KOASAS(<http://koasas.kaist.ac.kr/>)

- 1<sup>st</sup> Institutional Repository launched in 2007
- Benchmarking of MIT DSpace
- Influenced Other Institutes
- Articles, Reports, Dissertations
- Activated by interlinking with Internal Performance Management System

## SNU S-Space(<http://s-space.snu.ac.kr/>)

- Influenced by KAIST's IR, SNU Opened its IR in 2008
- Articles, Reports, Dissertations

## Inha Dspace(<http://dspace.inha.ac.kr/>)

- Open in 2009
- Articles and Reports

# 1. University IRs

## <Operational Status of Major University Digital Repositories>

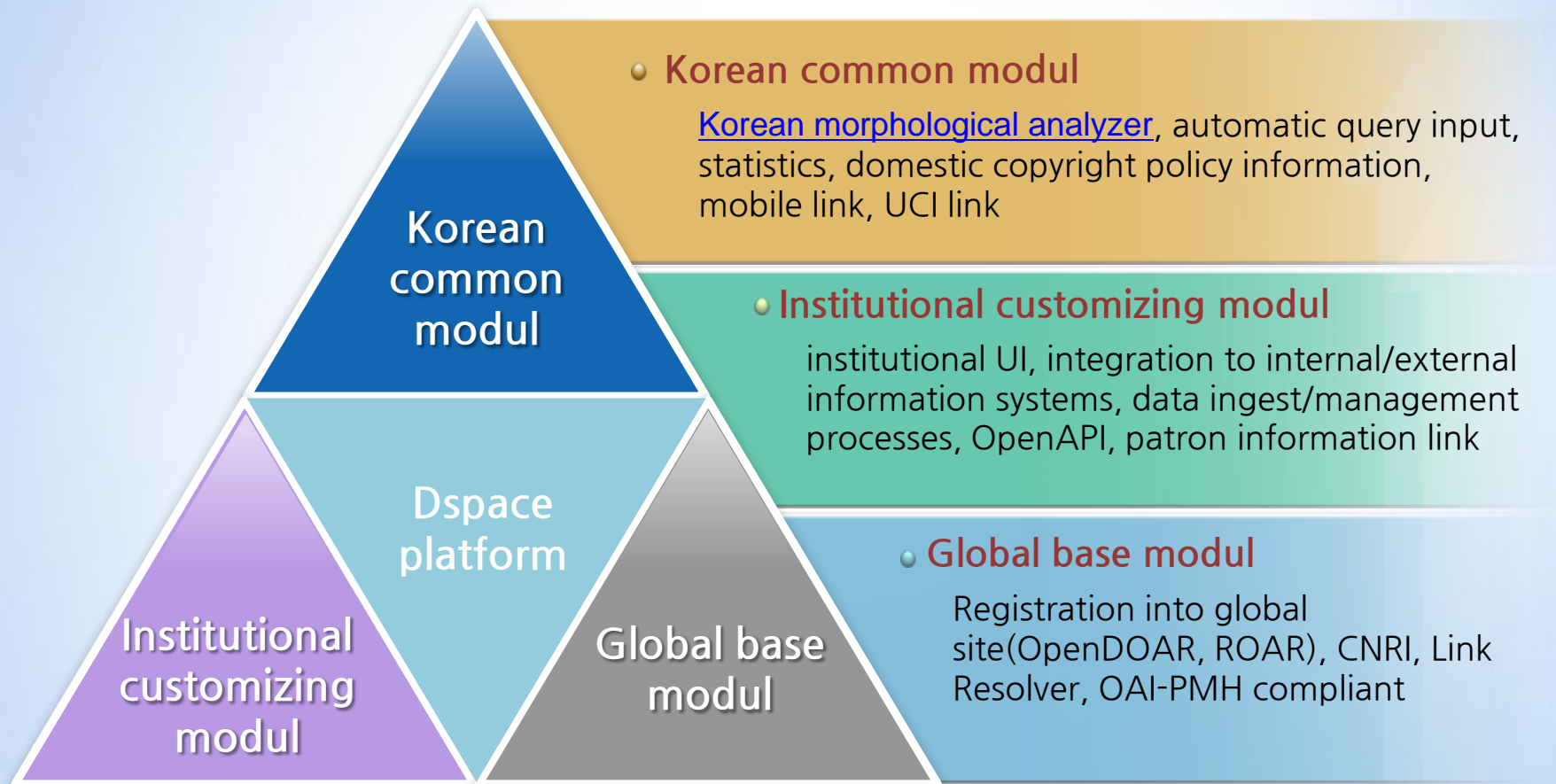
Item		KOASAS(KAIST)	S-Space(SNU)	INHA Dspace(Inha Univ)
Written Documents for Operations		· None	· None	· in Preparations
Submissions	Target Materials	· Journal Articles, Conference Papers, Dissertations, Research Reports	· Pre and Post print of Articles with copyright, Conference Papers, Project Reports, Dissertations, Lecture Notes, Research Notes	· Journal Articles with copyright, Conference Papers, Research Reports, Technical Materials, Charts, Pictures, Designs, Event Materials, Historical Records, etc
	Version	· Not Described	· Edition with copyright	
	File Format	· PDF	· PDF	
	Materials prior to IR	· All produced after Appointment	· All prior to IR	-
Presenter	Target Presenter	· Faculty	· All Employees	· Faculty, Graduate Students,
	Person in Charge	· Presenter in Charge decided by Lab	· Not decided. Sometimes Librarians do the job.	· Presenter in Charge stated. Librarians do the job for the time being
Copyright Dealing		· by IR Operator	· jointly by Presenter and IR Operator	-
Level of Requirements		· Recommendation Level	· Recommendation Level	· Recommendation at Present, Mandates in the Future

## **2. KISTI supported IRs**

- **23 IRs built over 2010 thru 2013 under the OAK project**
  - Research Institutes(16)
  - Universities(2)
  - Government Bodies(1)
  - Information Centers(2)
  - Public Libraries(2)
- **Funded by MCST(Ministry of Culture, Sports, Tourism)**
- **Selecting Institutions was made in discussion with KERIS(dCollection)**
  - ✓ Tried to Target Other Institutions than Universities

## 2. KISTI supported IRs

- Korean Localized IR Model



# 3. KERIS supported dCollection

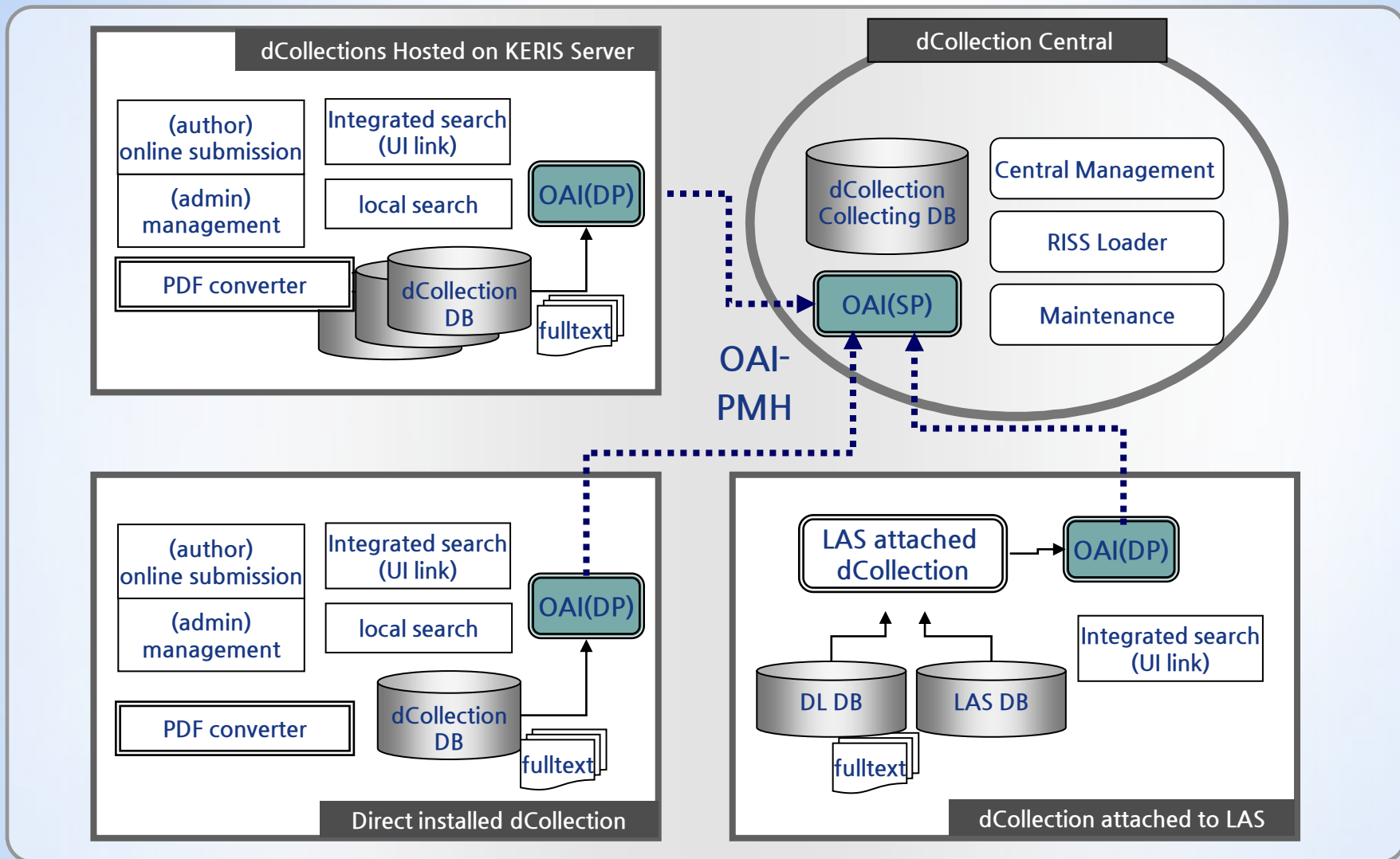
- Networked Institutional Repository System
- Self-Archiving and Sharing of Dissertations and Scholarly Papers
- 225 dCollections Installed in the Universities from 2008
- Operating by dCollection Steering Committee
- Integrated Meta Search and Gateway Service to Fulltext provided by RISS of KERIS
- Do NOT Conform to OAI-PMH





# 3. KERIS supported dCollection

## <dCollection Configuration>



# 4. KERIS' KOCW(Korea Open CourseWare)

## KOCW(<http://www.kocw.net>)

- Goal: To build a Open Repository for Expanding Learning Opportunity of Higher Education and Enhancing Lecture Quality by Opening CourseWares of the Universities
- Target Users : General Public
- Content: Lecture Materials produced Domestically and Overseas
- Start: 2007

The screenshot shows the KOCW (Korea Open CourseWare) website interface. At the top, there is a navigation bar with 'KOCW KOREA OPEN COURSEWARE' logo, search and login options, and menu items for '대학강의' (University Courses), '테마강의' (Thematic Courses), '대학이러닝정보' (University Learning Information), '강의기부' (Lecture Donation), and 'About KOCW'. Below the navigation bar, there is a banner for 'KOCW 우수활동수기' (KOCW Excellent Activity Report) and 'KOCW 강의자료' (KOCW Lecture Materials) with a counter showing '222647 건' (222,647 items).

The main content area features a '대학 공개 강의 TOP10' (University Open Course TOP10) section. It includes a 'TOP 10' badge, a video player showing a lecture by '삼리현의 이해 / 영운 / 이화여자대학교' (Understanding Samlihyeon / Yeongun / Yonsei University), and a graphic of a podium with the number '1' highlighted. Text next to the podium says '최근 1년간 클릭 수가 가장 높은 강의 10편을 만나보세요.' (Meet the top 10 lectures with the highest number of clicks in the last year). A '자세히보기 >' (View Details >) button is also present.

Below the main banner, there is a '신규강의 >' (New Lectures >) section with a grid of four lecture thumbnails:
 

- 성물일본어** (Sungmul Japanese) by 이성규 (Lee Seonggyu) from 인하대학교 (Inha University).
- 중급회계1** (Intermediate Accounting 1) by 김중일 (Kim Joongil) from 가톨릭대학교 (Catholic University of Korea).
- 물류시스템** (Logistics System) by 김대범 (Kim Daebem) from 강남대학교 (Gangnam University).
- 색채의 대비** (Color Contrast) Vol. 3 by 김문석 (Kim Moonseok) from 한양대학교 (Hanyang University).

At the bottom, there is a section for '인기강의 >' (Popular Lectures >).

# 4. KERIS' KOCW(Korea Open CourseWare)

〈Yearly KOCW Status (as of 2013. 12)〉

	2008	2009	2010	2011	2012	2013
Participating Institutions	33	86	105	129	152	171
Lectures	149	561	1,358	2,768	4,637	6,800
Educational Materials	2,438	6,529	15,259	37,713	63,353	98,462

〈Content Types of KOCW 〉

Type	Major Content
Lectures by Nobel Laurates	<b>Ivar Giaever, Nobel Prize in Physics(1973)</b> et al 22
Lectures by NAS members of Korea	Professor Soon Cho, SNU, et al 7
College Basic Lectures	Basic Subjects by Disciplines 200
Foreign Language Lecture Series	17 Languages, 60 lectures incl. English, Vietnamese, etc
Broadcasting Content Lectures	13 Programs including Vocational, Arirang TV, etc.

# 5. Disciplinary Repositories supported by NRF

- 12 DRs were launched in 1995 → 7 operating as of today
- IP Rights of repository content owned by both Government(NRF) and repository operating universities.
- Performance Evaluation based Operations

## <7 Repositories by Discipline>

Repository	Basic Sci	Life Sci	Medicine	Traditional Korean Medicine convergence	Mechanical, Construction, Transportation	Chemical Engineering /Material Sci	Electronic/ Information Sci
Location	KAIST	POSTECH	Chungbuk Nat Univ	KyungHee Univ	Pusan Univ	Korea Univ	Chungang Univ
Subjects	Math Physics Chemistry Earth Sci	Life Sci: basic Life Sci: Applied Food, Agriculture, Forestry and Fisheries	Med. Sci Dental Nursing	Pharmaceutical Traditional Korean Med	Mechanical Construction Transportation	Materials Chemical Eng	Electrical/ Electronic Eng Communication Computer

# 5. Disciplinary Repositories supported by NRF

## Cumulated Digital Content in DRs (as of Oct 31, 2013)

- Research Outputs/Trends/Resources: 42m items
- Specialized Content: 2.2m items
- Multimedia Content: 35,500 items
- WebZines & Newsletters: 10
- Subject Communities: 180

## 6. P-cube of KISTI

- Scientific Data Repository developed by KISTI
- Target Users : Government Subsidized Research Institutes
- Currently Distributed at 5 Research Institutes : KRISS, KOPRI, NFRI, KOBIC, KISTI's MDR(Medical Data Repository)
- Open and Sharing Research Data thru KISTI's Metadata Portal
  - ✓KRISS: Korea Research Institute of Standards and Science
  - ✓KOPRI: Korea Polar Research Institute
  - ✓NFRI: National Fusion Research Institute
  - ✓KOBIC: Korean BioInformation Center
  - ✓KISTI's MDR(Medical Data Repository)



# Open Access Korea(OAK) Project

# 1. Overview

- MCST funded 5 year Project(2009~2013)
- 240 m/m with the total Budget of **KRW4,361,000,000**
- To Share Domestic Knowledge Information and Develop Advanced Information Environment by Promoting OA Movements in Korea



## 2. OAK Central

- OAJ Archiving and Global Service Platform
- Development of Digital Archive of XML based electronic OA Journal Fulltext(25 Journals: 10,013 articles) in collaboration with KOFST program of supporting Globalization of Domestic S&T Journals
- Development of PDF2XML Workbench
- CCL and DOI applied to all
- Indexed in Google, Naver, KoreaScience

The screenshot displays the OAK Central website interface. At the top, there is a navigation bar with the OAK Central logo and the tagline "Archive for Free, Full Text Scientific & Scientific Journals". A search bar is located in the top right corner. Below the navigation bar, there are several menu items: Home, About, Open Access, Journal list, Publications, and Ask us. The main content area is divided into several sections:

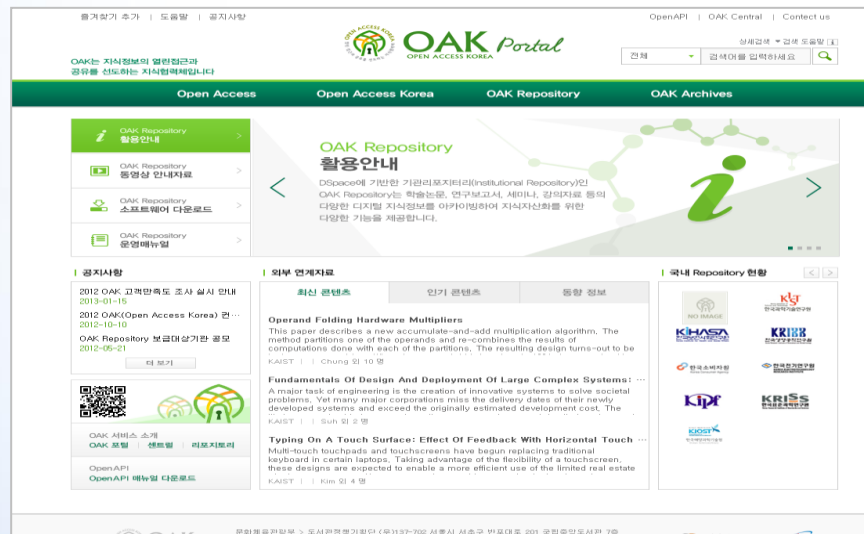
- OAK Central**: A brief description of the platform.
- Suggest a Journal**: A button for users to submit journal suggestions.
- OAK Central Journals**: A section featuring the cover of the *Journal of Ecology and Field Biology* and statistics: "Number of Journals That Deposit: Journals : 6,847, Articles : 612,645".
- Issue Highlights**: A featured article titled "Cadmium and zinc interaction and phytoremediation potential of seven clones of Salix caprea..." by Oh Hye-Young, Cheon Ju-Yong, Lee Jin Hwan, Hur Sung Bum, Ki Jang-Seu | ALGAE, Volume 25, Issue 1, p65-70, 15 June 2011. The article includes a table of data and a bar chart.
- Image related with Keyword**: A section showing a diagram related to the featured article.
- OA news**: A list of recent news items, including "2001 Open Access Week", "2001 OAK Conference", and "OAK Repository".
- Project partners**: Logos for OAK, 한국과학기술정보연구원 (KIST), and KISTI.
- Indexed by**: A logo for OAK Portal.

At the bottom of the page, there is a copyright notice: "COPYRIGHT 2011 KISTI. ALL RIGHTS RESERVED."

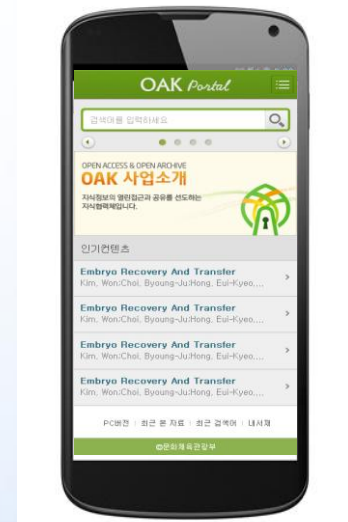
# 3. OAK Portal

- One-stop Gateway Service for distributed IRs plus OAK Central content
  - articles, reports, dissertations, patents, multimedia content
- Global Dissemination of Domestic OA content thru integrated meta search
- OAI -PMH based
- Linking to global OA content providers
- Expanding Access Channels
  - Naver, Google, OA service providers

OAK Portal  
(http://oak.go.kr)

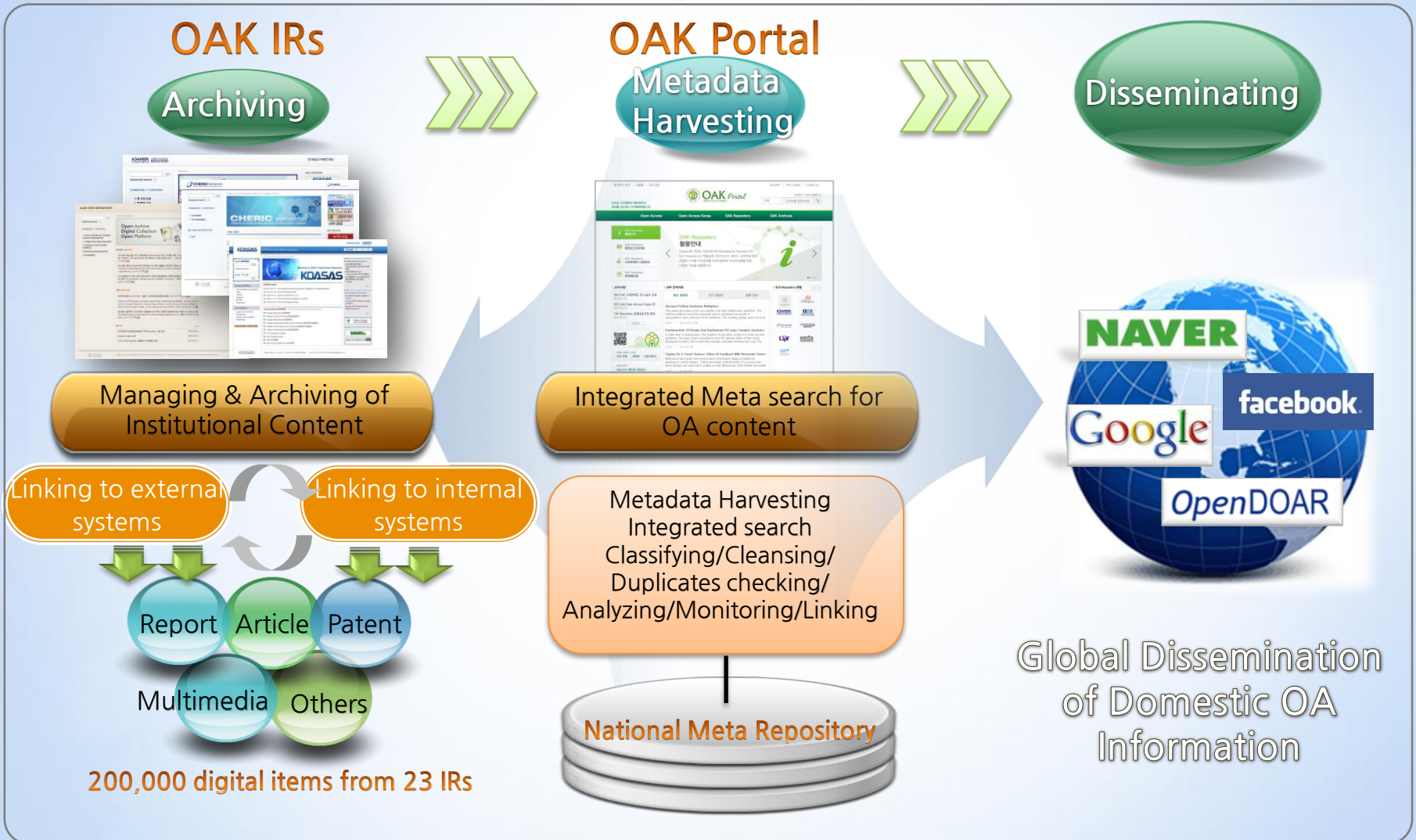


Mobile OAK Portal  
(http://m.oak.go.kr)



# 3. OAK Portal

## <IR Content Archiving & Dissemination Process>



## **4. OAK Forum**

- **Participants**
  - Scholars, Lawyer, DB Vendors, Funders, Government Officers, Librarians, Publisher People, Copyright Group, Society People
- **Topics Discussed**
  - NIH Public Access Policy
  - Public Access Policy for Public Research Outputs
  - Current Status of Korean Open Access and Its Future Value
  - How to Start Open Access for Domestic Journals?
  - Legal and Institutional Framework for Facilitating Knowledge Information Sharing
  - Civil Movement, Creative Commons for Facilitating Cultural Content Sharing
  - Cost Expenditures in Public Access Policy and Open Scholarly Journals
  - Library's View Point about Creative Resources utilizing Shared Literary Productions
  - Subsequent Process of Public Research Outputs
  - Institutionalization of Public Access Policy

# 5. OAK Policy Studies

- “Study on Public Access Policy for Publicly Funded Research Outputs” done by Dr. J.S. Woo, Seoul National University, 2010
  - Surveys on Domestic and Overseas Related Laws and Policies
  - Analysis on Stakeholder’s Positions toward Public Access Policy
  - Proposal of a New Legislation of Free and Open Access to Publicly Funded Research Outputs
  
- “Study on Regulations and Process for Public Access to Publicly Funded Research Outputs” done by Prof. Y.S. Kim, Joongang University
  - Studies on ‘Deposit Objects’, Sites, Time, Format’, ‘Copyrights’, ‘Violating Sanctions’ , etc.

Research Items	Detailed Topics	Description	Research Scope
Legislative Draft	Public Access Promotion Law	Solution Development against Issues collected from ‘Policy Debates’, ‘Experts Discussions’, ‘Public Hearings’	Public Access Promotion Law
Policy Study	Amendment Drawing of Related Policy and Regulations of Government Ministries	Amendment Drafting of Detailed Regulations and Enforcement Ordinance	Concerned Government Ministries
	Amendment Drafting of Regulations and Enforcement Ordinance	Drafting of Public Access Policy Enforcement of Public funding Agencies	Funding Agencies of Government Ministries
Process Development	Development of Creation, Deposit, Circulation Process for Public Funded Research Outputs	<ul style="list-style-type: none"> <li>• Development of Creation, Deposit, Circulation Process</li> <li>• Identification of Applicable Regulations and Enforcements to Process</li> <li>• Mandates, Copyright Management, Sanctions by Process</li> </ul>	Process of Public Funded Research Outputs

## 6. OAK(Open Access Korea) Project

### Major Accomplishments

1. To convert existing **25 Journals** into OA ones by making **10,013 articles** in the journals OA publications
2. To develop **23 Institutional Repositories** and install in some selected universities(2), research institutes(16), Government Bodies(1) , public libraries(2) and university affiliated information centers(2)
3. To ingest **260,000 items** of digital content and archive in the 23 repositories.
4. To develop a Digital Repository Portal service system (**OAK Portal**) that provides integrated search of metadata and gateway linking to the fulltext distributed in each repositories.
5. To develop a **OAK Central** system that provides archiving and global dissemination services of all OA journal literatures.
6. To develop **OAK Repository Open Source Package**
7. To Promote global dissemination of domestic OA content by means of OAI-PMH, OpenDOAR, DOAJ
8. To strongly influence domestic funding agencies(National Research Foundation(NRF) and Korean Federation of Science and Technology Societies(KOFST) to make out a new policy inducing existing fee-based or toll access journals to OA ones
9. To develop a workbench which facilitates semi-automatic converting PDF document to XML one
10. To develop a Korean localized IR Model
11. To construct language resources containing 600,000 entries with 1,510,000 terminologies in Korean, English, Japanese and Chinese, plus to develop a cross language search technology

## **IV** OA Collaborations(Global)

# 1. SCOAP3 with CERN

- Participation in SCOAP3 OA Consortium(2010)
- EOI (2011) and MOU (Jan. 2014) with CERN signed
- Promotion Process
  - Promotions targeting for Existing Paper Journal Subscribers → Low Participations
  - Expanded Target Libraries by devising a SCOAP3-KESLI Combined Consortium Model → 60% of Total Allocated Fee covered
  - Remainder will be covered by KISTI



# 1. SCOAP3 with CERN

## Development of SCOAP3-KESLI OA Consortium Model

### Basic Model: SCOAP3

- Existing Subscription Fee to be converted into Consortium Joining Fee

### Korean Model:

- Consortium Joining Fee: SCOAP3 + Article Submission Volume by KESLI Members

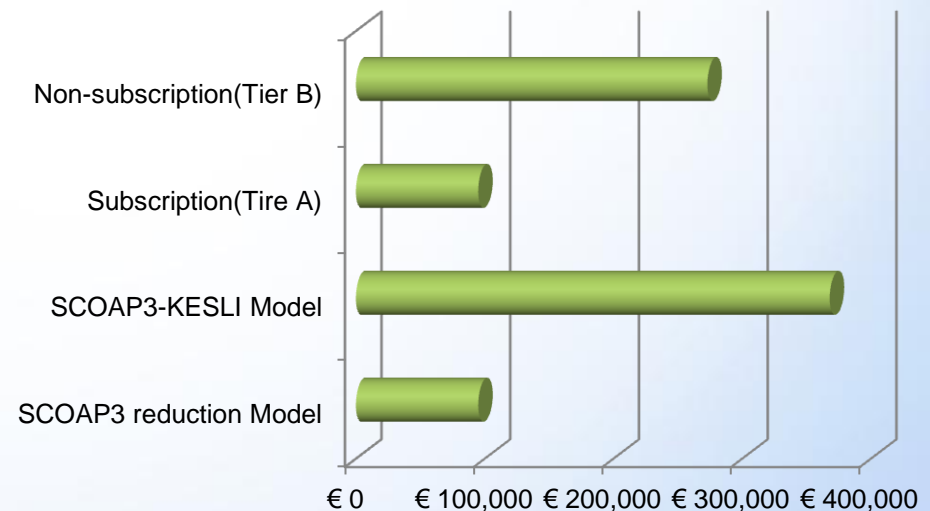
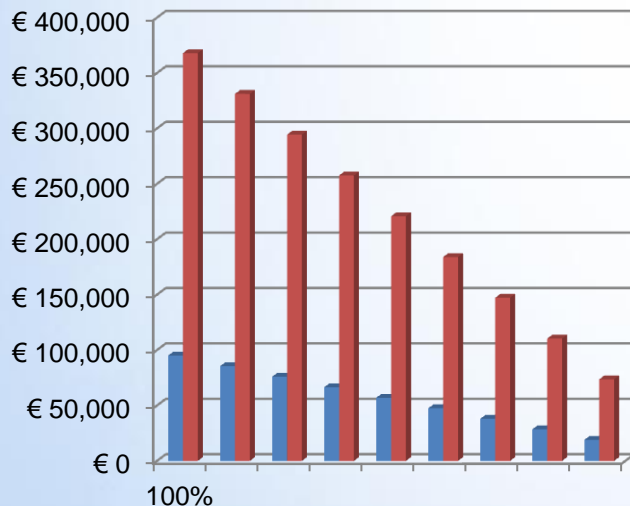
- Participating Fee NOT higher than existing subscription fee
- Including non-subscribers but having access licenses among KESLI members to SCOAP3 Journals,
- Subscription Volume based Fee Model reflected by Article Submission Volume : <ranging 10% additions thru -25% deductions>

**Final SCOAP3-KESLI OA Consortium  
Participating Fee Calculating Model**

# 1. SCOAP3 with CERN

## SCOAP3 reduction Model vs SCOAP3-KESLI Model

Participating rate	SCOAP3 reduction Model	SCOAP3-KESLI Model		
		Total	Subscribers	Non-subscribers
100%	€ 95,000	€ 368,000	€ 95,000	€ 273,000
90%	€ 85,500	€ 331,200	€ 85,500	€ 245,700
80%	€ 76,000	€ 294,400	€ 76,000	€ 218,400
70%	€ 66,500	€ 257,600	€ 66,500	€ 191,100
60%	€ 57,000	€ 220,800	€ 57,000	€ 163,800
50%	€ 47,500	€ 184,000	€ 47,500	€ 136,500
40%	€ 38,000	€ 147,200	€ 38,000	€ 109,200
30%	€ 28,500	€ 110,400	€ 28,500	€ 81,900
20%	€ 19,000	€ 73,600	€ 19,000	€ 54,600



## 2. WPRIM with WPRO

- An online index of medical and health journals published in Member States of the WHO Western Pacific Region to ensure global accessibility of medical and health research done in the Region
- Korean Association of Medical Journal Editors (KAMJE) offered its technologies(S/W) used for KoreaMed to build WPRIM in 2006
- 409,528 Articles on 473 journals were indexed as of June 2012 in collaboration with 12 member countries
- Over 80% of Korean Medical Journals were contributed
- KAMJE provides technical assistance to build a APAMED Central, a Digital Archive and Reference Linking Platform of Journals published in WPRO member countries

〈extracted from “OA Movement in Korea” by Dr. Jeong Wook Seo〉

# 3. Open Access Repository of LAOS

SNU College  
of Medicine  
Lee Jong Wook  
Seoul Project

- In the spirit of Dr. Lee Jong Wook's high achievements and efforts, Seoul National University College of Medicine provides educational support to Laos under the name of "Lee Jong Wook Seoul" project.
- an Open Access Repository of Laos (<http://www.laospace.org>) was built under the project
- Provided Cloud-based Hardware Infrastructure plus IR system for archiving and information services of the country's scholarly data in the field of Medicine and Health
- is planning to build 3 more Repositories in South East Asian Countries in 2014

**LAO Space**

SEARCH

- Advanced Search
- Simple Search

COMMUNITIES & COLLECTIONS

- Communities & Collections
- Issue Date
- Author
- Title
- Subject

My LAO Space

- Login
- Feedback

RSS1.0 | RSS2.0

LAO Space >

Lao / English

**LAOS Open Access Repository**

RECENT ADDITIONS

- > Root taxa identification in plant mixtures - current techniques and future challenges
- > An online database on freshwater fish diversity and distribution in Mainland Southeast Asia
- > Comment on "Lao Economy: Capitalizing on Natural Resource Exports"
- > Effects of lysine trisocyanate on the mode I fracture behavior of polymer blend of poly (l-lactic acid) and poly (butylene succinate-co-l-lactate)
- > Characterization of Microstructure and Mechanical Properties of Biodegradable Polymer Blends of Poly(L-lactic acid) and Poly(butylene succinate-co-epsilon-caprolactone) With Lysine trisocyanate
- > Improvement of microstructures and properties of biodegradable PLLA and PCL blends compatibilized with a triblock copolymer
- > Dynamics of Land Use in Namhoum Watershed, Nasaythong District, Vientiane Capital, Lao PDR
- > A study on GRP ground wave method for the variation of dune in surface soil water content in summer
- > Characterization of water quality variation in the Mekong River at Vientiane by frequent observations
- > Effect of PEO-PPO-PEO copolymer on the mechanical and thermal properties and morphological behavior of biodegradable poly (L-lactic acid) (PLLA) and poly (butylene succinate-co-L-l

Repositories

- CiteSeer.IST
- PubMed Central

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About

이종욱-서울프로젝트  
Dr LEE Jong-wook-Seoul Project

## 4. Others

- **UNESCO**
  - UNESCO OA Program Experts Seminar: Opinions and Discussions of Korea about OA were sent thru UNESCO Korea
  - UNESCO invited Korean OA Experts to their OA Meeting → Failed to attend the Meeting
- **OECD**
  - Dr. S.T. Kim of KISTI is acting as one of OECD OA Steering Committee Members
  - Open Science Steering Telephone Conference(Jan. 22, 2014)
- **Max-Planck**
  - OAK International Conference with invited Dr. Ralph Schimmer from Max-Planck
  - Studies on German OA Activities in collaboration with Max-Planck
  - “P-Cube”, a Research Data Repository developed by KISTI after benchmarking a successful case of Max-Planck’s Research Data related activities



## OA Collaborations(Domestic)

# 1. MCST(Ministry of Culture, Sports, Tourism)

- KOGL([www.kogl.or.kr](http://www.kogl.or.kr)) : Korea Open Government License that enable the free distribution of public sector information

## <Icons>

ICON	Right		
	Attribution	Non-Commercial	No Derivatives

## <Type of Licenses>

Type 1		Attribution
Type 2		Attribution + Non-commercial
Type 3		Attribution + No Derivatives
Type 4		Attribution + Non-commercial + No Derivatives

# 2. MOSPA(Ministry of Safety and Public Administration)

- Open Government Data

- Operated by NIA(National Information Agency)
- participating institutions: 696
- Datasets: 7,024
- Open API: 629
- Requests: 3,094(Jan 1~28)
- Utilized: 1,597,110,000(2013)

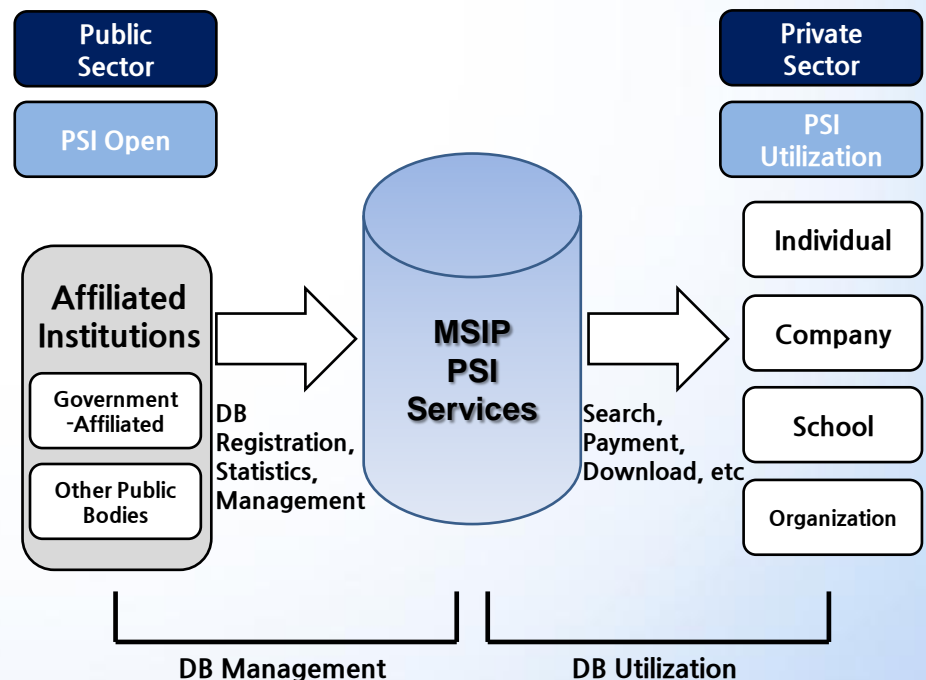


# 3. MSIP(Ministry of Science and ICT Planning)

## 'Concept of MSIP PSI Service'

- Opening PSI held by public bodies under MSIP to the public thru Open Platform
- Providing various supporting activities in the stage of data processing, idea excavating thru data utilization, and developing business models, etc.
- Facilitating comprehensive supports in order for PSI to be extended to economic and social value creation processes

- All of 800 DBs surveyed are held by 44 institutions under MSIP
  - Among them 535 DBs(66.9%) will be opened and utilized
  - 20 business models developed
  - KISTI will be acting as a facilitator for open government data services
- ✓ “Study on the PSI Service Development in the Science and ICT Field” Nov. 2013. KISTI
  - ✓ Based on the “Law of PSI service and utilization promotion” established (Jul.30,2013) and enacted(Oct.31, 2013)



## 4. National Research Funders

- **NRF(National Research Foundation) & KOFST(Korea Federation of Science and Technology Societies)**
  - Established a new Policy to employ OA/FA as one of most outstanding Evaluation Criteria for Funding of Domestic Society Journals since 2012
  - Planning to build an OA Repository for funded Journals
  - Facing a Strong Opposition to OA encouraging Policy by Scholarly Information Providers in the Private Sector
  
- \* Since 2012, funding of humanity & social science journals by NRF, science & technology by KOFST



# **VI** Conclusion

# Status and Issues

## Gold Road (OA Journals)

- Among 4,690 titles of Korean Journals about 1,100 titles are OA or FA Journals as of Today
- Understanding of OA is still low across the nation.
- Most of Libraries have enough understanding of OA journals, but less motivation to take related actions due to lack of financial support and top manager's low understanding except several libraries.
- Structurally difficult in promoting OA, since Confrontation of Positions are Sharp between Stakeholders in the Domestic Scholarly Communication System; authors, publishers, libraries, funders, aggregators, information service providers
- Private companies having business of scholarly journal services are strongly against OA movements in Korea. On the other hand, Public Sector and Libraries are a strong Supporters. Academic Societies split depending on their own situations
- Global collaborations for OA promotions are relatively Strong especially in the field of Medicine → 'WPRIM Initiative'

# Status and Issues

## Green Road (Digital Repository)

- Most of IRs are operating by the Libraries
- Institutional Written Mandates or Guidelines are NOT yet established for operations of IRs
- Few IRs are used for evaluating researchers by interlinking with performance management system: KOASAS of KAIST
- Total number of DRs including dCollections is around 260 across the country, but the number of Real Open DR conforming to global standards is less than 30. (dollection system is NOT compliant to global standards OAI-PMH)
- Attempts to share information with South East Asian Countries are being made by providing them with information infrastructure → 'LAO Space'

# Status and Issues

## Open Government Data

- Open Access and Utilization of Government Data are very Strongly Pushed by the Government under the newly established laws
- Copyrights and Intellectual Property Rights are NOT yet Clearly settled down
- Target users are mostly focused on Small and Medium sized companies
- Government 3.0 based PSI services is linked to the final goal of Creative Economy Fulfillment



# Conclusion

- National Information Centers, Central Libraries and Medical Society are main leading groups of OA movements in Korea. They introduced OA and carried out OA-related projects to promote and practice OA activities in Korea
- KISTI is a leader of OA Movements by promoting Gold & Green Road, supporting Policy Development, establishing Communication Channels between Authors and Journal Editors and also implementing other OA related collaborations with domestic and global partners
- Researchers and authors from medicine and health are most advanced in adopting OA practices.
- Understanding of and Participating in OA movements also started to grow in the S&T sector together with researchers from Library and Information Science.
- Efforts for Legislation of Public Access Policy were vigorously made, but failed to produce tangible achievement due to;
  - Confrontation of Positions between Stakeholders
  - Low Understanding and Lack of Action Will of the Government Counterpart
  - Lack of Critical Mind of All Korean Communities
- OA Movements were concentrated only on Experts and Direct Related People  
→ Public Relations and Advertisements for the General Public were almost NONE.

**Thank you !**

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