

## Matters arising from 17<sup>th</sup> CDNLAO Meeting

- Invitation to the “Dibrary” -

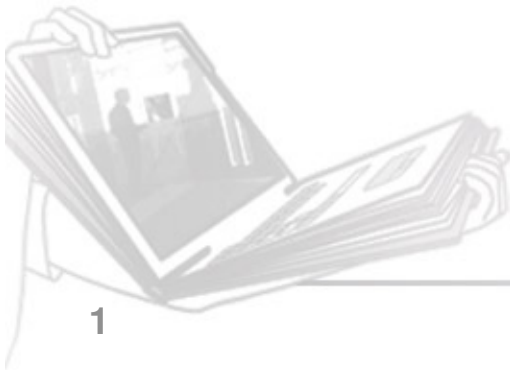
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dibrary  
국립중앙도서관

13 April 2010

- **National Library of Korea asked CDNLAO members to join the Dbrary at the 2009 CDNLAO Meeting in order to establish the partnership.**
- **With one month away from the 1st anniversary (May 2010) of the National Digital Library, I would like to introduce its 2009 achievements and discuss about the future collaboration on ‘Dibrary’ Service with other Asian national libraries.**



- Dibrary is the brand name of the service that is being provided by the National **Digital Library** of Korea
- Propose a new library model that meets the rising need to collect, organize, and store information resources in digital rather than analog (paper books) forms. And become the hub of inter/national information services.



### ▶▶ National Digital Library Facilities (Opened on 25 May 2009)

- Area: 38,014 m<sup>2</sup> (3-story bldg. with 5 basement floors) / 550 seats
- Construction: 2002~Dec. 2008 (\*Engineering: 20 Dec. 2005~24 Dec. 2008)
- Total Cost: 123.7 billion KRW (about 112 million USD)
- Main Facilities
  - Information Commons (B3~B1) is a space where you can use digital knowledge and information
  - Book stacks on B3~B5 (12 million books) and Administration on 1~3rd floors
  - Memory Capacity (Server Size): 300 TB

### ▶▶ Usage/day: Information Commons (1,000 persons),

Portal (Access: 537,769 times, Page view: 8,111 times)

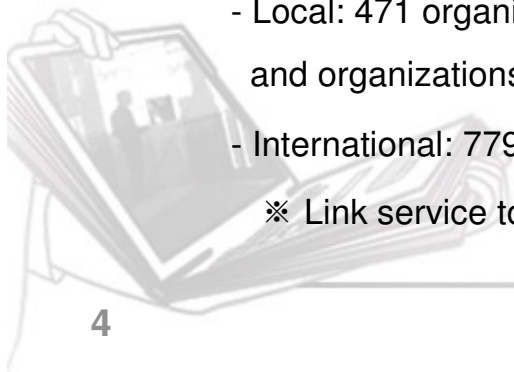


### ▶ Amendment in “Library Law” serving as a legal ground for online data collection (26 Sept. 2009)

- The nat'l library has an authority to collect online materials.
- Legal deposit of digital file is stipulated for the production and distribution of alternative materials for the disabled.
- Library data committee was established for online data collection. (Oct. 2009)
- Government notification on the types and formats of online data for collection announced. (12 Jan. 2010)

### ▶ Increase Digital Contents and Expand Business

- Establish DB: 20,000 books/yr (invest 1.3 billion KRW/yr or 1.2 million USD/yr)
  - Digitalized 110 million pages/390,000 books as of Mar. 2009
    - ※ Digitizing funded by the Korean government, not WDL's google or MS
- Provide 'Dibrary' Portal Contents that can be accessed anytime anywhere: 116.13 million contents
  - Academic: 10.43 m, Public Sector: 18.52 m, International: 71.92 m, Private Sector: 15.26 m
- 'Dibrary' Portal Link Service: 1,250 organizations (120 million contents)
  - Local: 471 organizations including local libraries, multi-cultural centers, government organizations, and organizations for the physically challenged
  - International: 779 organizations linked to OAI (Open Archives Initiative)
    - ※ Link service to be provided to around 4,000 libraries by 2012

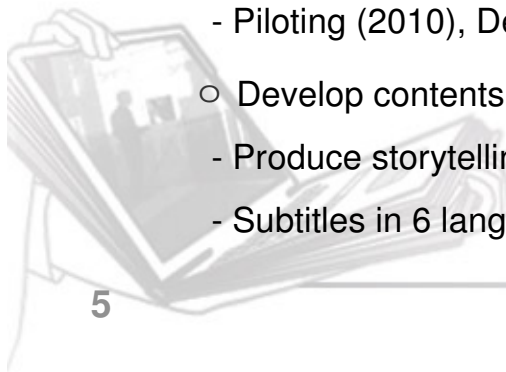


### ▶▶ Stable Digital Library Infrastructure

- Interfaced 52 operating systems, established a centralized control system, and a Single Sign On (SSO) log-in system (for 7 websites)
- Have an integrated operation and management service called MSP (Management Service Provider) to remotely manage public libraries' digital archives (Aug. 2009)
- Have a Korean Library Automation System In Able (KOLASIA) (at libraries for the physically challenged) (2009)

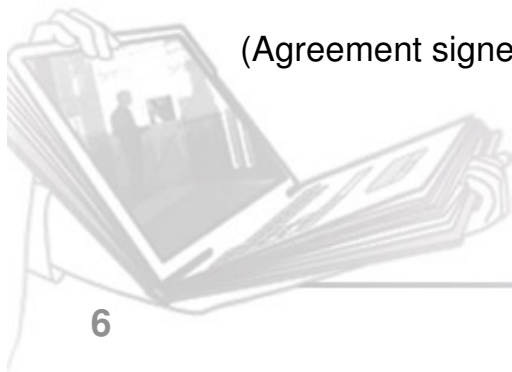
### ▶▶ Develop and Manage Digital Service Programs

- Provide regular digital training programs (3 times/week)
  - Information technology applicability, information literacy, contents production service, and etc.
- Develop and distribute storytelling programs that provide you with a real-world experience in the virtual space (2009~)
  - Develop “Experimental Storytelling Programs” with ETRI (2009)
    - ※ ETRI: Electronics and Telecommunications Research Institute
  - Piloting (2010), Develop Experimental Contents (2010~), Distribute to 120 Public Libraries (2011~)
- Develop contents to promote reading for multi-cultural families, and provide online service (2009~)
  - Produce storytelling videoclips and animations on Korean/Asian folk tales (178 stories)
  - Subtitles in 6 languages: Vietnamese, Mongolian, Thai, Chinese, English, and Korean

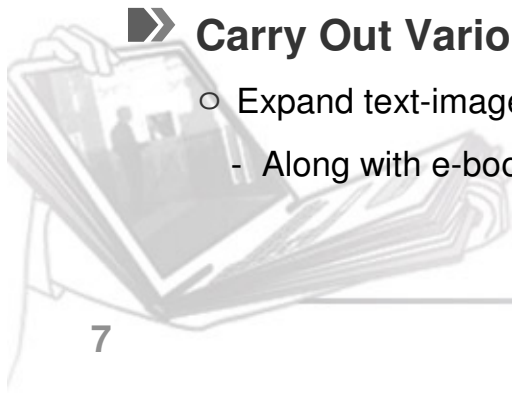


### ▶▶ Collaborative Services with Inter/National Libraries

- Provide DB service to foreign universities/libraries that provide classes on Korean Studies: 12 places
  - ※ Expand service to around 635 universities/libraries
- Provide collaborative online knowledge and information service, such as 'Ask the Librarian' (CDRS)
  - Answer people's questions through nation-wide inter-library communication and cooperation.
  - 326 libraries to participate by 2009
  - ※ CDRS : Collaborative Digital Reference Service
- Leverage KOLIS-net and provide Inter-Llibrary Loan service, "Checkbada"
  - If library users can't find the book they want in their local library, they can get it from another local library (inter-library loan).
  - 486 libraries to participate by 2009
  - ※ KOLIS-net : Korean Library Information System Network (525 libraries participating, 2001~2009)
- Share materials for the physically challenged with LG Sangnam Library: 7,100 materials  
(Agreement signed in Dec. 2009)



- ▶ Purchase 1,000,000 e-books and electronic journals (2010): 3.6 billion KRW (3.3 million USD)
- ▶ Secure Digital Collection to Provide Integrated Service for Various Media (2010~)
  - Build user-specific and specialized digital collection, by themes
    - Provide diverse channels of access, by media, author, year, and topic
    - Pilot digital contents by theme (May 2010) and expand digital collection service (2011~)
- ▶ Expand Mobile Service to Realize a 'Portable Library' (2010~)
  - Realize a 'mobile library' by developing Smart Phone-mediated programs
    - Provide services such as 'search library catalog' or 'neighborhood library search' (linked to GPS) and digital contents service
    - Mobile piloting service (May 2010), Mobile Application Development and Service (Oct. 2010)
      - ※ Korea's Smart Phone penetration rate (Mar. 2010) : 1,500,000 (Expected to increase to 3 million in 2010)
- ▶ Carry Out Various Forms of Digitalization Business (2010~)
  - Expand text-image-centric DB to include voice, image and videoclip forms
    - Along with e-books, collect and store mobile contents available in open document formats





### ▶▶ Support System for the Efficient Public Libraries Service

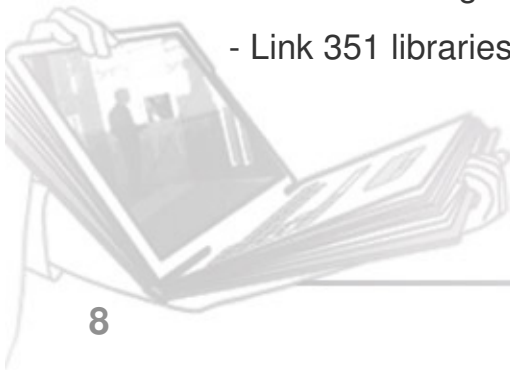
- Provide One Card System that gives access to 699 public libraries nationwide
  - Piloting at 2 city/province(s) (2010), to be applied to nationwide public libraries (2012)

### ▶▶ Include Educational Contents (Elementary/Secondary/High) in the 'Dibrary' Portal

- Establish electronic DB for educational materials and produce digital contents that can be serviced at even school libraries (10,979 libraries)

### ▶▶ Expand Digital Library Service for Small Libraries at Rural (Agricultural/Forestry/Fishery) Areas (2010)

- Leverage our interlinked model (Digi-eye): provide service for 390,000 books, or 110 million pages.
  - The cost of digital contents service for the underprivileged will be financed by the Korean government.
  - Link 351 libraries (Feb. 2009). Link 4,000 small libraries by 2012.



### ▶ Improve Accessibility of Global Digital Information, starting from the Asian Region (China and Japan)

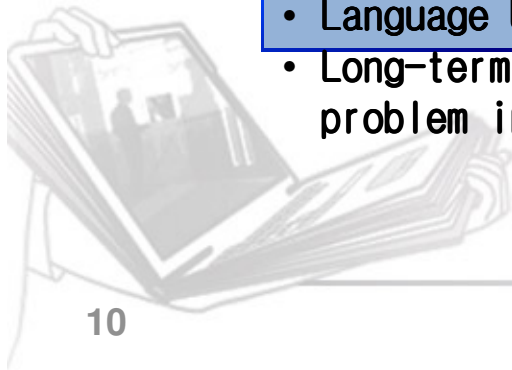
- Improve the access of global digital information, regardless of language
- Improve the access of global digital information by organizing it according to the same subject, year, and format
  - Improve access to information on Korea by providing subtitles in multi-languages
  - Provide the Korean translation of international information
- ※ 1st meeting on the joint research of 'CJK (China-Japan-Korea) Digital Library' to be held in June 2010. The results of the meeting will be reflected for improvements.



## ▶▶ Digital Information Network Collaboration within Asia

- Goal: Establish Asian Digital Library Portal such as WDL(World Digital Library), and TEL (the European Library)
- Proposal: Joint management of an integrated portal site to share the digital data of CDNLAO member
  - Move away from the traditional book-based service towards digital multimedia contents service that can be accessed directly online

- **Participants: National libraries of Asia/Oceania**
- **Participation Method:**
  - OAI (Open Archives Initiative) links
  - Share the digital contents of different countries' national libraries
    - ※ Start from digital resources that have no or cleared copyright issues
- **Language Used: Native or English**
- **Long-term Challenge: Need joint efforts to resolve copyrights problem in each country**



Thank You!

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