What is CALIS Doing

OCLC Asia Pacific Regional Conference
8 September 2009
Outline

I. About CALIS
II. Achievements of CALIS
III. Future view
About CALIS
Higher Education in Mainland China

- 2000+ institutions
  - 34 “985” universities
  - 100+ “211” universities & colleges
  - 1000+ vocational & polytechnic institutions

- 30M enrollment

- Big Challenge: the gap between municipal and rural area; “211” and non-“211”
China Academic Library & Information System

- One of the three public service systems for higher education (the others are CERNET and CERS)
- Funded by Chinese government
- Under the leadership of Ministry of Education
- Operated from 1998
- A nation-wide academic library consortium as well as a resource sharing platform
Development

• Phase I, 1996-2000
  China Academic Library & Information System (CALIS)

• Phase II, 2001-2006
  China Academic Digital Library & Information System (CADLIS), combined with CALIS and CADAL (One million book plan between China and USA)

• Phase III, 2009-2011
  provide services to both end users and library institutions
Achievements
Achievements of CALIS

- Digital library portal
- Academic resources and bibliographic system
- Digital library technical platform
- Service framework
- Services
Personalized service

Information retrieval

Resource navigation

ILL and DD Reference

CALIS Portal  http://www.cadlis.edu.cn
Digital Library Portal Platform

- Online cataloging & OPAC
- CADLIS portal
- ILL and document delivery
- Virtual reference & Online Information Literacy

Digital Library Technical platform

- Single search
- Handle system
- Union user authentication
- Single balance

Academic resources and bibliographic system

- Union catalog
- Commercial electronic resources
- CADAL collections
- Thesis and dissertations
- Electronic reserves
- Subject navigation of web resources
- Special collections

CALIS Service Network

- CALIS National Information Centers
  - CALIS Online Cataloging Center
  - CALIS/CADAL technical Center
  - CADAL Digitization Centers
- CALIS Regional Centers
  - CALIS Province Centers
  - CALIS Digital Library Bases
- Member libraries
<table>
<thead>
<tr>
<th>Type of digital resources</th>
<th>Indicator accomplished</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>E-journals in foreign languages</td>
<td>24,000 titles</td>
<td>purchased</td>
</tr>
<tr>
<td>English dissertations</td>
<td>33,000 titles</td>
<td>purchased</td>
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<tr>
<td>E-Reserves Books</td>
<td>108,000 titles</td>
<td>scanned and purchased</td>
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<tr>
<td>Other Full-text resources (reports, proceedings, patents</td>
<td>24,000,000 titles</td>
<td>purchased</td>
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<td>standards, encyclopedia etc.)</td>
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<tr>
<td>Online Union Catalog</td>
<td>2,762,000 records</td>
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<tr>
<td>(including 851,000 authority records)</td>
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<tr>
<td>CALIS Current Contents</td>
<td>24,000,000 entries</td>
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<td>Academic website navigation</td>
<td>77 main subjects,</td>
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<td>140,000 websites</td>
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<td>Special collection databases</td>
<td>75 databases</td>
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<tr>
<td>Chinese dissertations</td>
<td>116,000 titles</td>
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</tbody>
</table>
Uniform search platform system: federated search and meta-search

- Toc of Journal
- Commercial resources
- Union Catalog
- Special collections
- Thesis & Dissertations
- Teaching reference
- Navigation databases
- Online free resources
- Commercial databases
- Resources of member libraries
Architecture of technical platform

SSO  ←  Portal  →  Billing

Unified Search  ←  Linking Server  →  ILL & DDS

Heterogeneous Resources  ←  Metadata Union DB  →  Full-text

Federated search  ←  Union search  →  Linking KB

Metadata Union DB  ←  Abstracts & Index  →  Network resources

Linking KB  ←  Holding  →  Profile

DRM  ←  My Library  →  Policy

Abstracts & Index  ←  Holding  →  Profile

My Library  ←  Profile  →  Portal

Portal  ←  Billing  →  Portal

Portal  ←  Unified Search  →  Portal

Portal  ←  Linking Server  →  Portal

Portal  ←  ILL & DDS  →  Portal

Portal  ←  DRM  →  Portal

Portal  ←  My Library  →  Portal

Portal  ←  Policy  →  Portal

Portal  ←  Profile  →  Portal

Portal  ←  Linking KB  →  Portal

Portal  ←  Holding  →  Portal

Portal  ←  Network resources  →  Portal

Portal  ←  Full-text  →  Portal

Portal  ←  Abstracts & Index  →  Portal

Portal  ←  Holding  →  Portal

Portal  ←  Network resources  →  Portal

Portal  ←  Full-text  →  Portal
CALIS Service Framework

National Centers

- National Administration Center
- Online Union Catalog Center
- Technical Center
- Four National Resource Centers (Humanities & Social Science, Engineering, Medicine, Agriculture)

Regional Centers

- 7 Regional Centers and 1 Defense Information Center
- 15 Provincial Centers

Academic Libraries

- 22 Digital Library testbeds
- 1000+ academic libraries as members of CALIS
Services Provided

- Consortia Acquisition of imported databases
- Union Online Cataloging
- Interlibrary loan and document delivery
- Virtual reference
- Training and consultation
- Digital Library Solution
Future view
Services to end-users

• search engine for academic resource
• different access ways, such as download, ILL and DDS, PPV
• joint reference services by librarians and specialists
• unified authentication service through SSO
• Personalized and customized portal
Services to libraries and institutions

- Standards & criteria
- Vocational training
- Data and content service
- Registration service
- System and technical support
Resource development

• Support cooperative acquisition
• Encourage the experiment & construction of institutional repository
• Enhance the development of special resources owned by academic libraries
• Extend the resource type, such as courseware, AV material, multimedia
• Enlarge the language range, such as French, German, Korean, Spanish and Arabic
Technical platform and application system developing & updating

- Resource processing and cataloging
- Metadata harvesting, storage and management
- Resource discovery & data mining
- Resource acquisition
- New digital library platform
- Security and preservation
Service network improving

- National/regional centers emphasize resource development
- Provincial centers play a greater role in service popularization
National and International cooperation

- Sharing resources and services with other systems
- Cooperation on standards and criteria
- Research on application of new technology
- Exchange on vocational training
Thank you!