The introduction of CALIS

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Outline

- About CALIS
- Framework of Digital Library Construction
- Resource Sharing
China Academic Library & Information System

- One of the public service systems for higher education (the others are CERNET, CERS, CADAL)
- Funded by Chinese government
- Under the leadership of Ministry of Education
- Operated from 1998
- A nation-wide academic library consortium
Goal

– To promote, maintain and improve resource sharing
– To organize libraries to build China Academic Digital Library (eduChina)
– To provide information services at a high academic level for teaching and research
– To extend cooperation nationally and internationally
Development periods

Phase One
- Period: Nov. 1998 ~ July 2001
- China Academic Library & Information System

Phase Two
- Period: July 2004 ~ Aug. 2006
- China Academic Digital Library & Information System (CADLIS): CALIS and CADAL (One million book plan between China and USA)

Phase Three
- Period: March 2010 ~ May 2012
- Universal services

...
• Member libraries: 1200+
• Resources: 250 + million

• Mainly service for library, then library serve for end user by CALIS’s service
The main services of CALIS

1. eDu----Academic search engine
2. eDe----ILL & DDS Services
3. eWen---- Reference Service
4. Union Catalogue Service
5. Foreign language Journals Service
6. Imported database management
7. Training & Certification
Framework of Digital Library

• Standards run through the whole process of constructing DL, including metadata schema/technical schema and many interoperability standards.
• Basic layer: host, server, database, storage, middle software
• Resources: resource database, report, course, bibliographic … navigation of all resources
• Applications: including support application such as data management and service application such as document delivery and interlibrary load;
• Portal face our users directly;

• Maintenance include data maintaining and system maintaining. After the building of DL, maintenance is the most important thing.

• Organization and management is a long-term essential work. All service and development of DL should be governed by a management group.
CALIS resources

BOOK

• Total: 140+ million
  – Chinese book: 100+ million
    • Mathematics: 1/4 million
  – other languages: 4+ million
    • Mathematics: 1/10 + million

– Total of books about Mathematics: 1/3+ million
CALIS resources

journal

• Total : 1/10+ million  (146,205)
  – Chinese journal: 1/5 million (19,229)
    • Mathematics: 228
  – other languages: 1/10 million  (126,976)
    • Mathematics: 1130
  – OA: 10,000+
    • Mathematics: 604

– Total of Journals about Mathematics :  1500+
Journal article

- Total: 100+ million (134,296,915)
  - Chinese journal: 58+ million (58,030,607)
  - Other languages: 76+ million (76,266,308)
CALIS resources

Dissertation

- Total: 46 + million (4,675,434)
  - Chinese: 2+ million (2,742,946)
    - Mathematics: 32,763
  - other languages: 2 million (1,932,488)
    - Mathematics: 16,929

- Total of dissertations about Mathematics: 49,692
CALIS resources

– CALIS member Contribute to CALIS all current metadata and holdings information, which represents items in their collections
– A reader can get the resources by downloading full text, Document Delivery, Interlibrary loan

– Z39.50
– API
Other resources in China

• NSTL
  (National Science and Technology Library)
  – book: 95,757
  – Journal: 28,798
  – Article: 70,793,020
    • Mathematics: 718,062
  – Dissertation: 2857508
  – Conference paper: 8,381,080
    • Mathematics: 105,321
  – Patent: 466,274,830
Other resources in China

• Public Library
  – National library of China
    Resources total :30 +million
  – ShangHai library
    Resources total :52 +million

Teachers and students get items by ILL from public library.
Other resources in China

- **Database**
  - CNKI (China Knowledge Resource Integrated Database)
    - China Academic Journals Full-text
    - China Doctoral Dissertations Full-text
    - China Masters' Theses Full-text
    - China Proceedings of Conference Full-text
    - International Proceedings of Conference Full-text
    - China Core Newspapers Full-text
    - China Yearbooks Full-text Database
Other resources in China

• Database
  
  – WanFang Data

• China Online Journals
  Dissertations of China
  Special Industry Newsletters
  Special Industry Reports
  Agricultural Map of China
  China Industry Studies Online
  Agribusiness Intelligence
  China Private Company Database
  Chinese Studies Online
  Wanfang Med Online
  China Scientific Research Monitoring System
Other resources in China

• Database
  – CQVIP
    • VIP JOURNAL INTEGRATION PLATFORM (VJIP)
    • CHINA SCIENCE AND TECHNOLOGY JOURNAL DATABASE (CSTJ)
    • CHINA CITATION DATABASE (CCD)
    • CHINA SCIENCE INDICATORS DATABASE (CSI)
    • VIP CHINA SCIENCE JOURNAL CITATION REPORT (VJCR)
    • CHINA EDUCATION INFORMATION SYSTEM (CEIS)
    • VIP-GOOGLE SCHOLAR DATABASE (VGSD)
• **Resource integration**
  – Collect all the bibliographic records of member libraries
  – Integration with most of the bibliographic system in China

• **Service integration**
  – Improve Service quality and capability
  – integrate services of all the academic libraries
  – try informative services (assitance on science and technology project assitance)
• **Application of Advanced Technology**
  – Clouding computing: construction on application software cloud, information resource cloud, basic business cloud and integration service cloud

• **Evaluation**
  – Resource and service
  – Accelerating members development

• **International Cooperation**
  – Expanding Resource sharing
  – Service coopetation
Korea

KERIS (Korea Education and Research Information Service)

As of April 2013:

- Books and journal titles: 8+ million
- dissertations: 1.6+ million
- journal article: 36+ million
  - Korean: 3+ million
- courseware: 160 thousand

- Z39.50 protocol
Japan

- National Center for Science Information System (NACSIS)

As of April 2014:
- Member libraries: 1248
- Book and journal titles: 100 million
- Articles: 16 million

- OpenURL
- Opensearch
- RDF
Thank you!