The introduction of CALIS

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August, 2014

Outline

➢About CALIS

➢Framework of Digital Library Construction
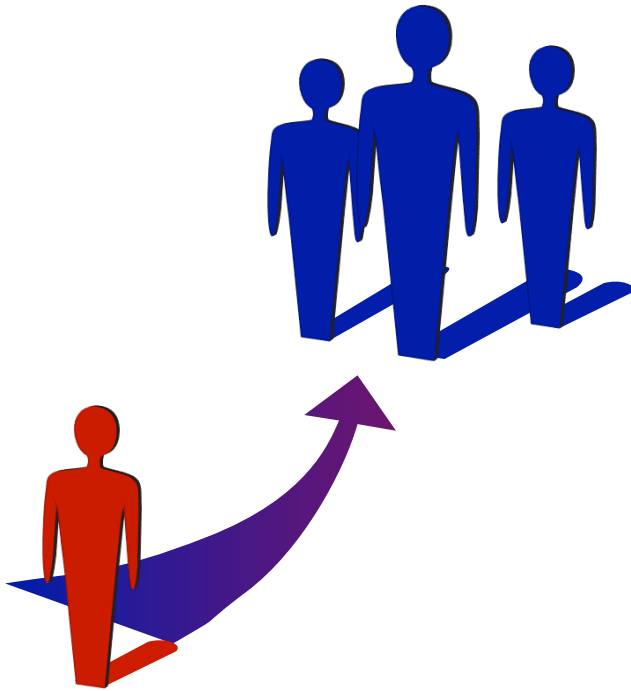
➢Resource Sharing
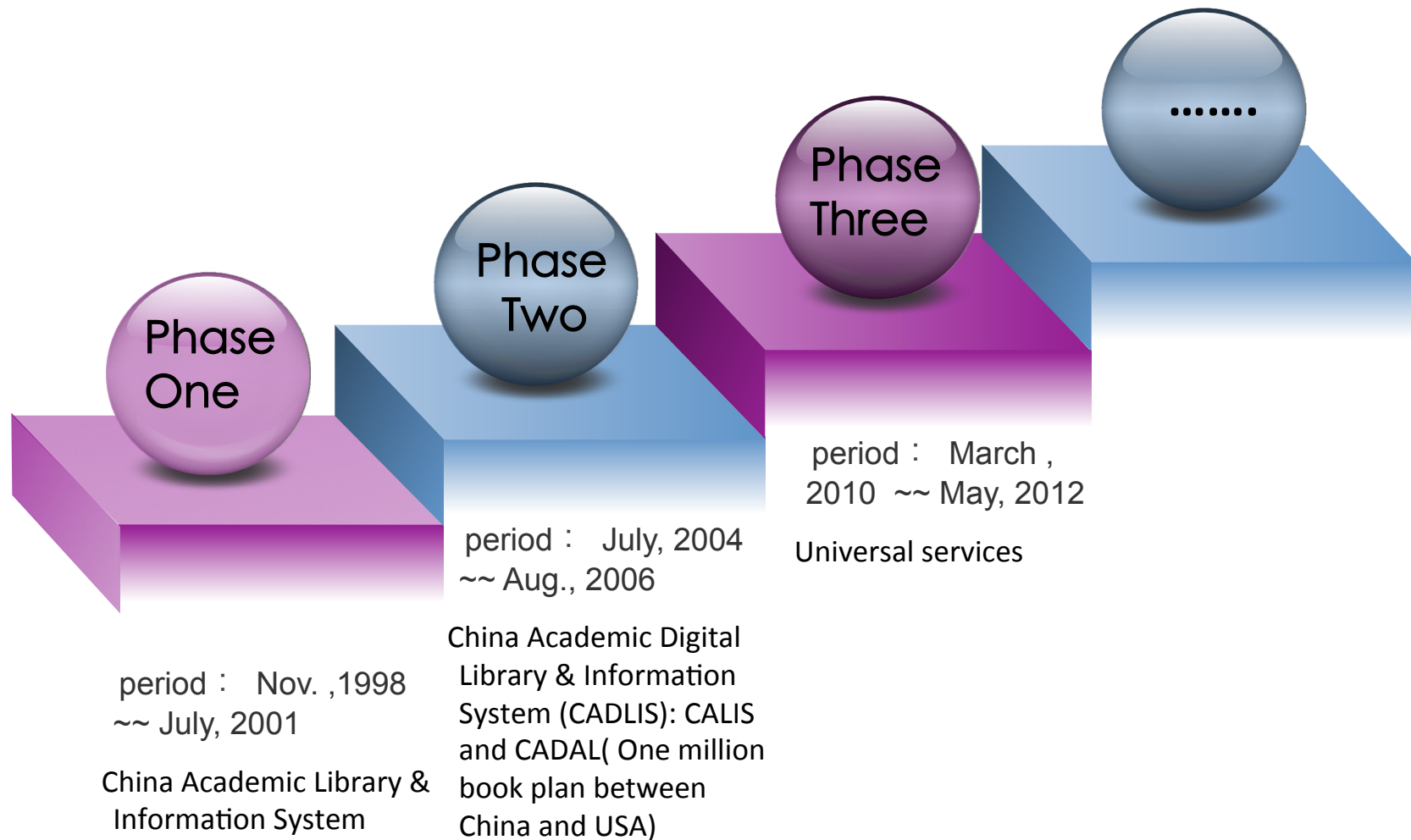
China Academic Library &Information System

- 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

Phase Two

Phase Three

·······

period ： Nov. ,1998 ~~ July, 2001

China Academic Library & Information System

period ： July, 2004 ~~ Aug., 2006

China Academic Digital Library & Information System (CADLIS): CALIS and CADAL(One million book plan between China and USA)

period ： March , 2010 ~~ May, 2012

Universal services

SERVICE

- **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

中心站
切换站点 ▾

eduChina
CALIS　中国高等教育数字图书馆

2011图书馆集成系统问卷调查通知
1 2 3 4

首页　　资源检索　　期刊服务　　e得文献获取　　个人空间　　我要提问　　用户反馈

查找全国高校图书馆资料

e读　　　　　　　　　　　　　　　　　　　所有类型 ▾　　搜　索

○全部字段 ○题名 ○作者/出版者 ○主题 ○ISBN/ISSN　　　　高级检索

▣ 个人空间
我的书架 | 我的收藏 | 我的订阅
我的馆际借书 | 我的文献传递 | 我的问题解答

▣ 馆员空间
期刊馆藏比对 | 提交期刊馆藏数据 | 培训与认证
馆员空间请使用外文期刊网的帐号登录

服务 /SERVICE　　　　　　　　　　　　　　　　更多

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书刊联合目录 | 外文期刊网 | 中文学位论文 | 电子教参书籍 | 外文学位论文 | 高校特藏资源 | 百万电子图书
期刊导航 | 数据库导航 | 图书馆导航 | 服务导航 | 高校图书馆数字资源采购联盟(DRAA)

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项目建设 ▶　　机构服务 ▶　　高校数字图书馆论坛

动态新闻 /NEWS 🔲　　　　　　　　　　更多

CALIS三期馆员素养培训与资质认证项目总结表彰会在上海召开 new 2 012-09-03

上海图书馆图书延期归还通知 2012-06-20

NSTL文献传递服务（高校版）补充说明 2012-06-19

关于信息素养课件评审等级结果的通知 2012-05-31

CALIS三期特色库子项目验收评审结果 2012-05-24

内蒙古CALIS第三期应用服务及馆际互借培训会议举行 2012-05-23

高等教育文献保障系统（CALIS）培训管理办法（2012年5月22日）20 12-05-22

"CALIS全国高校医学图书馆创新服务研讨会暨2012两岸三地医学图书

Framework of Digital Library

•Standards run through the whole process of constructing DL, including metadata schema/ technical schema and many interoperabili ty standard

Organization and management

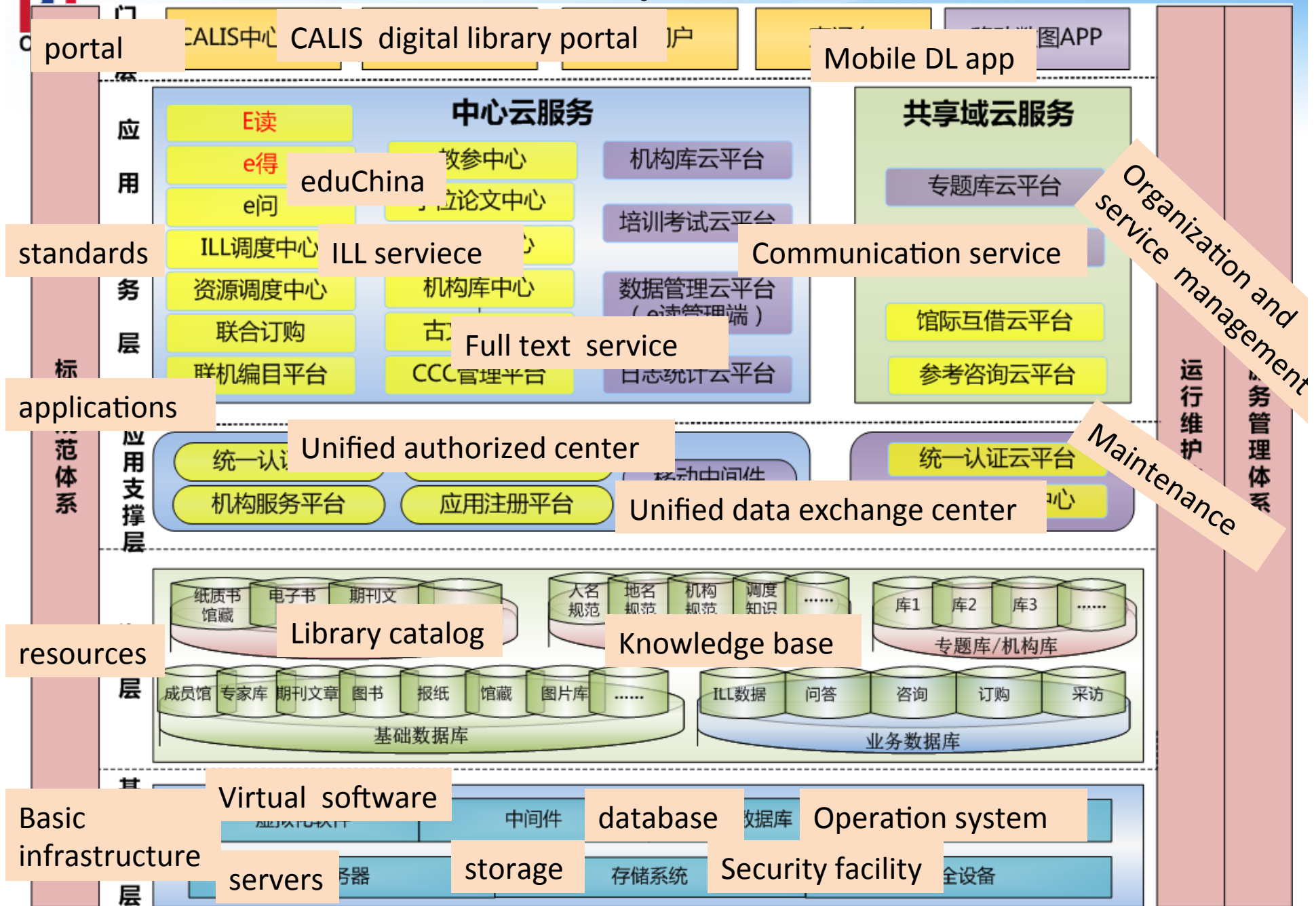| standards |
|---|
| Layer4:   Portal |
| Layer3:   applications |
| Layer2:   resources |
| Layer1:   basic infrastructure |

maintenance

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

•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 inter library load;
•Portal face our users directly;

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

CALIS DL system structure

portal

CALIS中心 CALIS digital library portal 户 手机新图APP

Mobile DL app

中心云服务 共享域云服务

E读

e得 eduChina 敬参中心 机构库云平台 专题库云平台

e问 论文中心 培训考试云平台

standards

ILL调度中心 ILL serviece Communication service

资源调度中心 机构库中心 数据管理云平台（e读管理端） 馆际互借云平台

联合订购 古 Full text service 参考咨询云平台

applications

联机编目平台 CCC管理平台 日志统计云平台

统一认证 Unified authorized center 移动中间件 统一认证云平台 Maintenance

机构服务平台 应用注册平台 Unified data exchange center 心

Organization and service management

纸质书馆藏 电子书 期刊文 Library catalog 人名规范 地名规范 机构规范 调度知识 ...... 库1 库2 库3 ...... 专题库/机构库

resources

Knowledge base

成员馆 专家库 期刊文章 图书 报纸 馆藏 图片库 ...... ILL数据 问答 咨询 订购 采访

基础数据库 业务数据库

Basic infrastructure

Virtual software 中间件 database 数据库 Operation system

servers 器 storage 存储系统 Security facility 全设备

标范体系

应用支撑层

运行维护

务管理体系

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+**

CALIS resources

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+ milllion

- journal article：36+ million
  - Korean : 3+ million

- courseware：160 thousand

- Z39.50 protocal

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!