


# **Policy-making oriented information services of scientific and technological libraries in China**



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# Overview

- The Origin of DL in China
- The Mode of S&T Library Services
  - Digital S&T Resources and Services
  - S&T Literature Integrated Services System
  - Information Services of Domain or Topics
  - Information Analysis Services
  - Decision-making Consulting
- Policy-making oriented service of S&T Library in China
  - Alerting services
  - Information Analysis
  - Policy and Strategy Investigation
- Summary

# 1. Origin of DL in China

- The first program on the DL
  - ATPLIN sponsored by the National Natural Sciences Foundation of China (NSFC) in 1993
    - Library of Chinese Academy of Sciences (Head of the Project)
    - Library of Peking University
    - Library of Tsinghua University
  - Sharing the catalogue data in the libraries between CASnet, PUnet and TUnet
  - Demonstration on the IFLA' 96 in Beijing

# ATPLIN Home Page; Be out of Dates

## 北京中关村地区书目文献信息服务系统 APTLIN



中科院图书馆 北大图书馆 清华图书馆

### Main Functions

#### • 开发背景:

1. (即中科院图 (P)、清华图) 的研制工作。在 NCFC 网上预约服务和计算机本课题提出了文献信息系统互联、作协议, 馆际互借规则。

#### • 系统简介:

1. 公共查询
  - 牙
  - 参
  - 约
  - 有
  - 报
  - 目

#### • 使用方法:

##### 1. 公共查询系统

- 面向所有网络用户。
- 用户端需安装 Windows 系统和相应中文系统(如“中文”)。
- 用户端需安装 WWW 浏览器(如“Netscape 或 IE”)。
- 服务开放时间为: 每周 周一到周五, 每天 8:30 到
- 用户除了可以查询到图书目录外, 还可以查询到该书的
- 对获得授权使用馆际互借服务的用户, 在此提供了图

##### 2. NCFC 网上联机合作编目系统

- 面向获得授权的图书馆编目人员。
- 对获得授权使用本服务的编目人员提供数据下
- 书目数据符合 Chinese Marc 格式。

##### 3. 网上预约、馆际互借系统

- 面向获得授权的用户个人和三馆的馆际互借员。
- 希望获得授权使用本服务的个人用户, 请注意本服务启动的公告。
- 未获授权用户可向本地的馆际互借员提交代借、代检申请。
- 有关公告请查看本地图书馆的公告。

##### 4. 读者个人状况查询

- [中国科学院文献情报中心读者个人状况查询](#)
- [北京大学图书馆读者个人状况查询](#)
- [清华大学图书馆读者个人状况查询](#)

3. OPAC
4. Union Cataloging
5. IIL by the Internet between the three Libraries
6. Search of Readers in the three Libraries

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- In 1996, China Ministry of Education supported the projects of key technology of digital library;
  - In 1997, Shanghai Library initiated its digital library project;
  - In 1998, the National Library of China organized key technology research of digital library;
  - In 1999, China Academic Library & Information System (CALIS) was started under support of the Ministry of Education;
  - In 2000, National Science and Technology Library (NSTL) was launched;
  - In 2001, National Science Digital Library Project (CSDL), launched by Chinese Academy of Sciences.

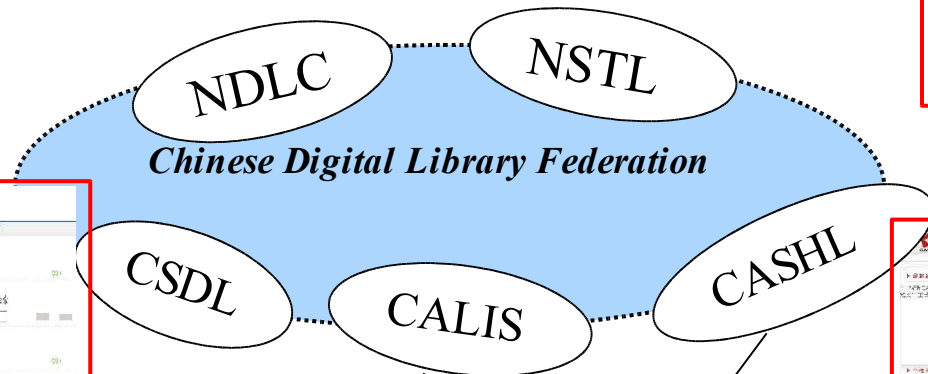
To serve the public , to achieve the sharing of digital resources for library

To build and share resources together among members, to achieve jointly S&T document guarantee services



To build and share the resources of Libraries system of Chinese Academy of Sciences document, to achieve jointly national-wide service

To build and share the resources together among Chinese universities, to achieve jointly service between university libraries



**Figure 1: The basic mainframe of Chinese Digital Library**

# 2. Mode of S&T Library Services

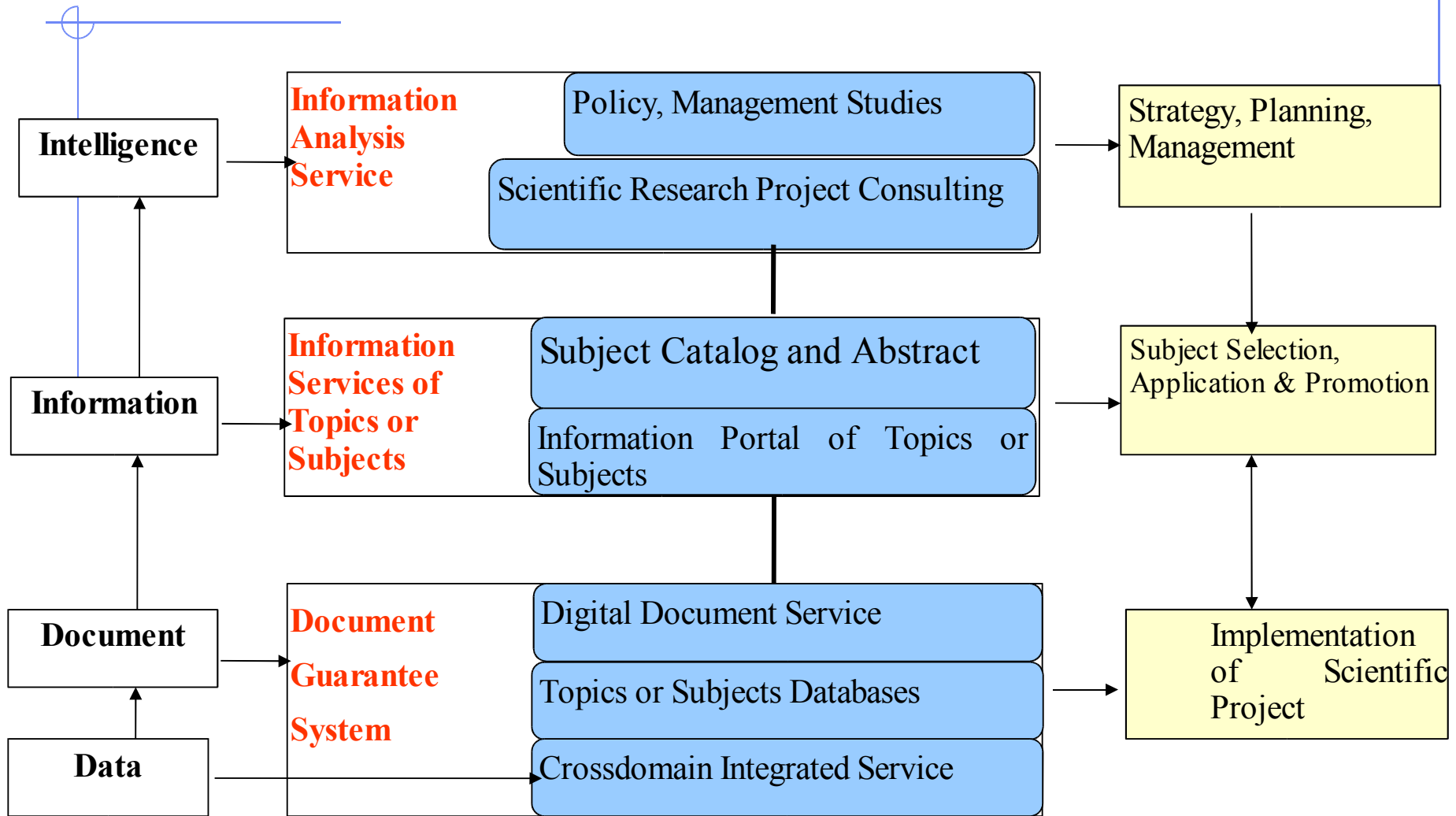


Figure 2: S&T libraries Services Structure

## 2.1 Digital S&T Resources and Services

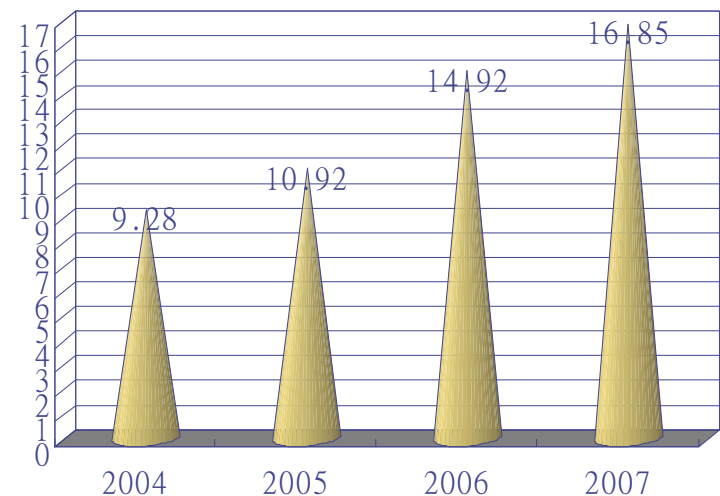
### Collection of digital resources

- S&T libraries collect the digital resource in two ways.
  - Purchasing databases, full-text or abstract.
  - Organizing the theme databases.

### Digital Collections of NSL



### Number of Full-text Browsing (Million)







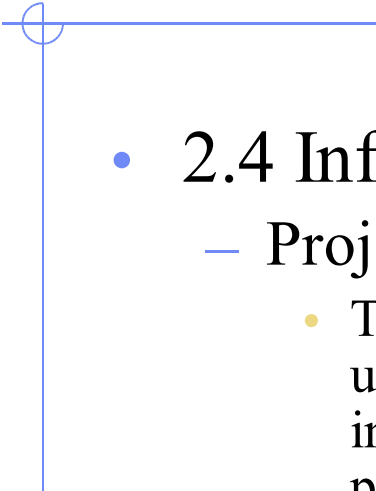
- 2.2 Integrated Services System

- (1) to integrate literature delivery services into the scientific research process and environment
  - Institutional digital resource consortia
- (2) to merge scientific documents, information and data into the research activities
  - Crossdomain search system
- (3) to provide one-stop retrieval service
  - Federal search system

- 2.3 Information Services of Domain or Topics
  - Such as Subject portal, Research fields portal

China Biotechnology Information Portal Sponsored By CAS

AIDS Control Information Portal Sponsored By NSTL



## • 2.4 Information Analysis Services

### – Project Consulting:

- To collect and sort out scientific documents, information of updated progress and advancing news of S&T, and provide information analysis services of special topics and novelty-proofed search of research projects.

### – Policy-making and strategic management oriented consultation:

- To practice information analysis and investigation on S&T policies
- To analyze the progress, policies, strategies of disciplinary research in related fields, and provide policy-making consulting reports



- 2.5 Decision-making Consultation

- To commence information analysis of science and technology documents, scientific data, S&T development situation, and provided the intelligence for the S&T policy-making and scientific research management
- To use bibliometrics/scientometrics/content analysis software to analysis trend of scientific research activities.

# 3. Information Services for Decision-makers

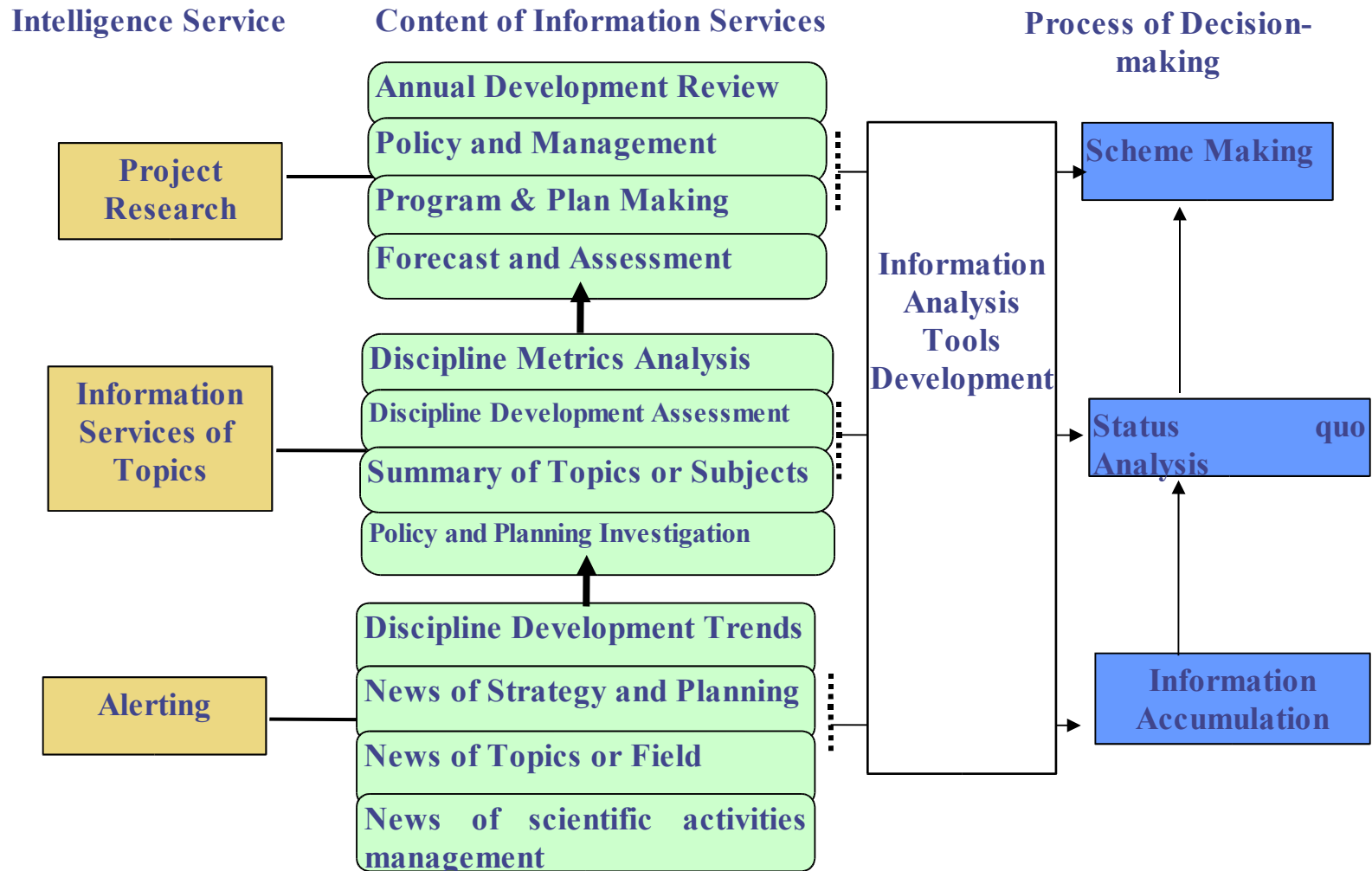
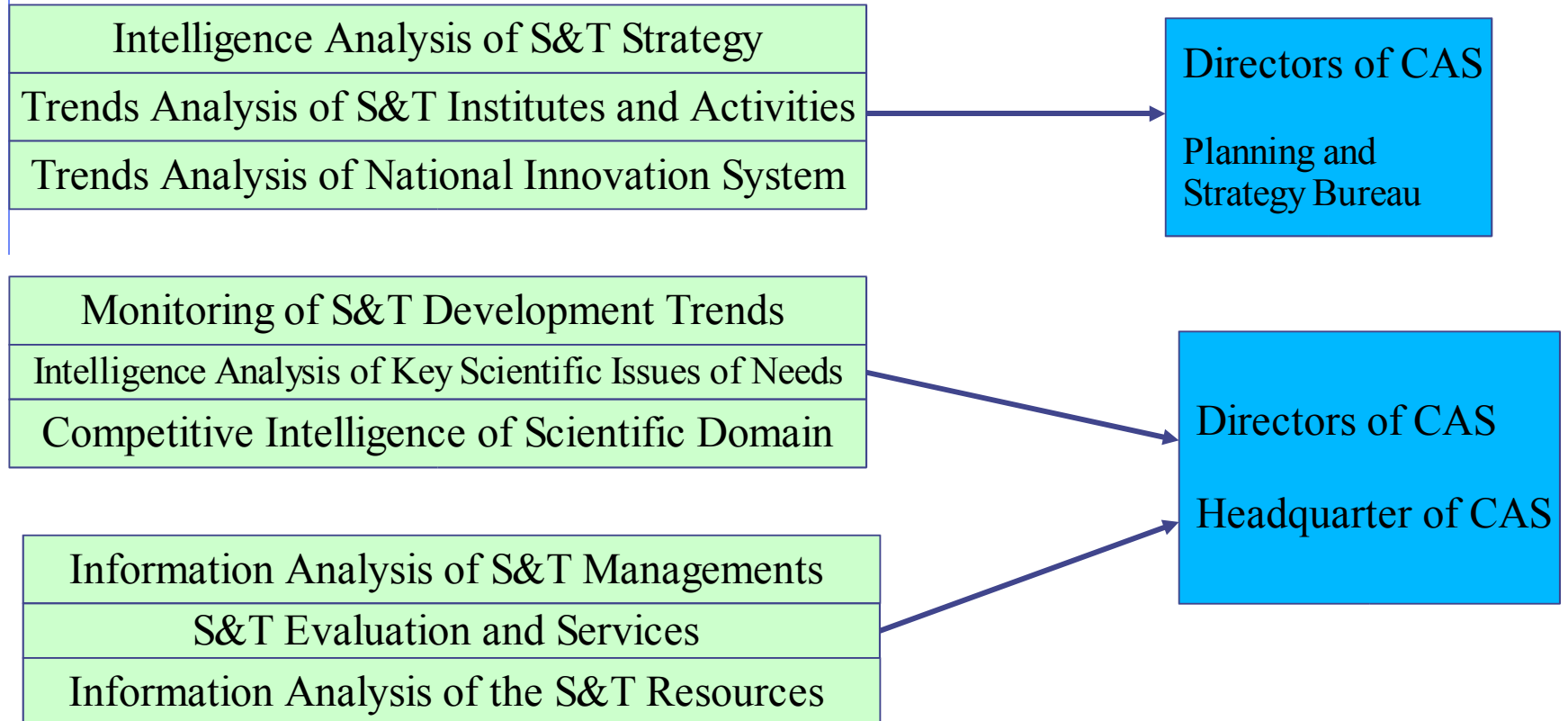


Figure 3: S&T Decision-making Services of Libraries

Service Tasks of National  
Science Library of CAS

Users



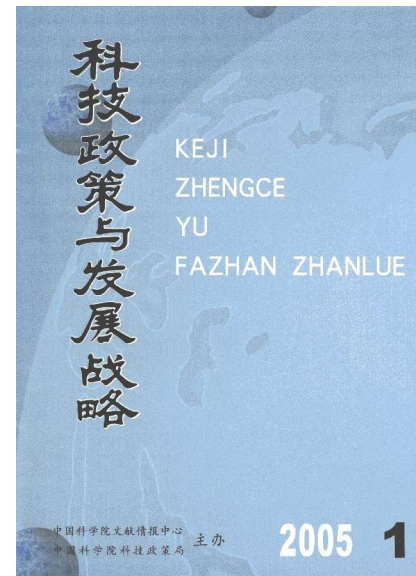
- 3.1 Alerting service
  - (1) news in the disciplinary fields



Alerting  
of the  
Scientific  
research.

By NSL

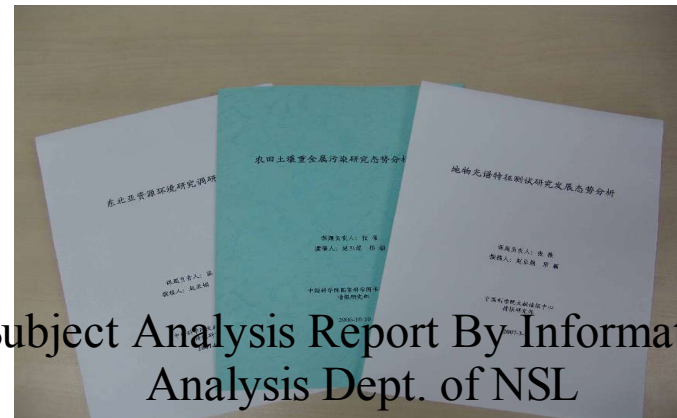
- (2) news of R&D management



*News of Science  
Policy and  
Strategy.*

By NSL

- 3.2 Information Analysis Service
  - To include the scientific domain metrics analysis, field or project assessment, review of topics or field, science and technology policy and planning survey



Subject Analysis Report By Information Analysis Dept. of NSL



Multiple Research Fields Analysis Report By NSL





Analysis Report on the Subjects By NSL  
.Scientific Competitiveness Analysis  
. Analysis of Units in the NIS

Report on Chinese Science in  
the World Science By NSL



China Science Report  
By NSL Annually



## • 3.3 Policy and Strategy Investigation

### – Research Projects:

- the impacts of science and technology on society and economics
- the social organization of S&T activities
- the institutions of science and technology
- the management of research activities
- the priority setting of science and technology
- talents and personnel resources of science and technology
- international scientific and technological exchanges and cooperation

# 4. Summary

- The decision-making information service of science and technology libraries of China is an extension of the traditional library literature service.
  - Transforming from the bibliography document (abstract) services into subject information service and information analysis;
  - Focusing on the investigation of policy and strategy of S&T;
  - Moving towards soft science research for decision-making intelligence services;
  - Establishing intelligence analysis tools and platforms.



Thanks for your  
Attention.  
Question?