



# Constructing a national S&T literature preservation system

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- Archiving Activity at the NSLC
  - Part of the Chinese Academy of Sciences
- NSLC Digital Preservation System (brief view)
- Constructing a National Co-operation
   Preservation Network [Pilot Project]



### **DPC of CAS**

- NSLC has been working to build digital infrastructure for digital resources management
  - long-term preservation is regarded as an important part

Digital preservation centre of CAS works on

this target.







### Resources policy of preservation

- Commercial resources
  - e-journal, e-Book, Protocols, etc.
- Free resources
  - OA e-journal
  - Web information (Web Archive)
- Research output of CAS
  - More than 100 institutions





### Progress report: Subscribed content

- Springer (journal eBook Protocols),
   BMC, IOP, RSC (journal eBook), NPG, PNAS, Wiley (journal eBook),
- VIP (Chinese): >14000, all with ISSN, not e-only







### Progress report: Open Access content

- Selected 4055 high quality OA journals,
- Harvested full text from 1765 OA journals
- gooa.las.ac.cn







### Progress report: Websites

- Web information (Web Archive)
  - Finished the archive system development
  - 2000+ institutions websites Will be Harvested periodically







### Current progress

- IR Grid : another important part
  - Has made good progress <a href="http://www.irgrid.ac.cn/">http://www.irgrid.ac.cn/</a>
  - integrated 98 IRs \ items=653,089 \ Full text= 500,566
  - Journal articles(>75%), dissertation/thesis, conference papers, patent documents, presentations, report, etc.



### 中圈科学院机构知识库服务网格

CHINESE ACADEMY OF SCIENCES Institutional Repositories Grid



中国科学院机构知识库网格(CAS IR GRID) >

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CAS IR GRID 是定期采

集中国科学院研究所IR

的数据建立的联合机构

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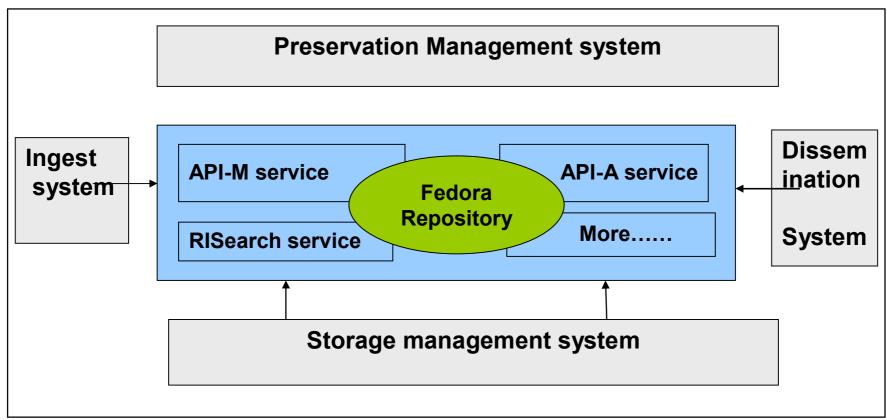
### Outline

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  - Part of the Chinese Academy of Sciences
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### System framework based on OAIS







### Digital Preservation System of NSLC

- Three parts of preservation platform
  - Ingest & preservation management platform
  - A public access platform after a trigger event
    - Browse\search\download
  - A management platform for cooperator
    - Audit archived data
    - Check ingest report
    - Check statistic report
    - Monitor the running status of platform



**Access Rights Management Based On Subscription** 

Agreement

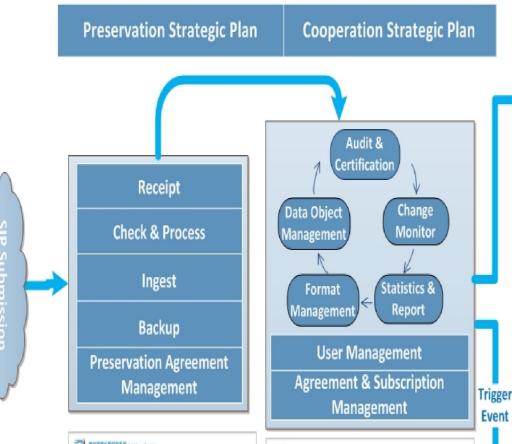
Preservation Institution





Browse	Retrieval
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Access Rights Management Based On Subscription Agreement





## Constructing a National Cooperation Preservation Network

- A pilot project funded by Ministry of Science and Technology
- **2014-2015**
- Focus on STM literatures preservation





### Constructing a National Co-operative Preservation Network

- Geared to national strategic needs, meeting a national responsibility
  - Agree a common resource policy
  - Share preservation activity
- Workgroups meet challenges and resolve problems
  - Strategy and planning; negotiation and copyright management; administration; technology&system; audit and certification





### Constructing a National Co-operative Preservation Network

- Ministry of science and technology provides some financial support
  - Mainly for hardware, software, system operation and maintenance, and personnel training
- Other costs will be covered by the archive institutions themselves

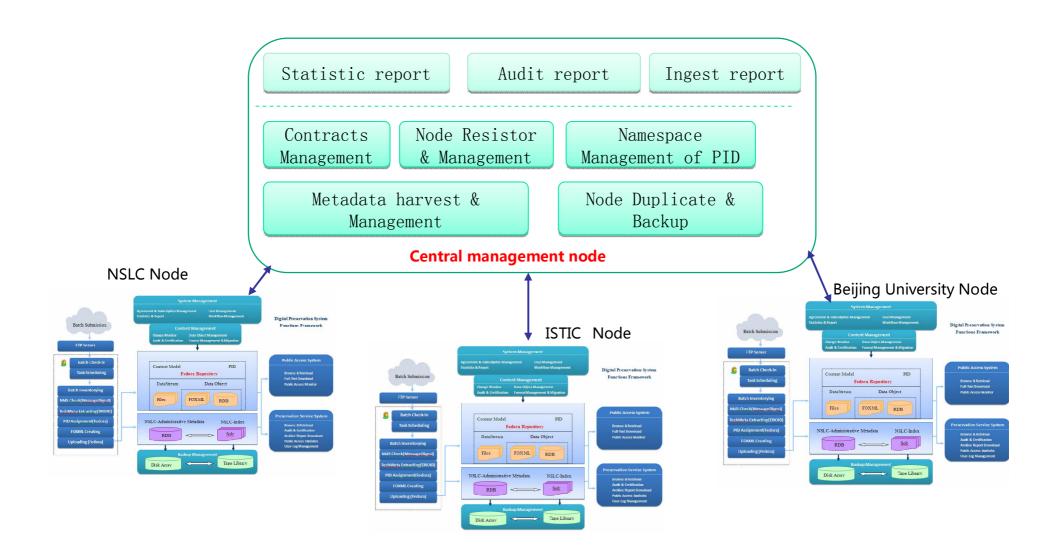




### Constructing a National Co-operative Preservation Network

- The technology system and network for preservation
  - One central management node and multiple archive nodes
  - Each node in a different institution
  - Each archive node acts independently: collection and functionally
  - All deploy NSLC digital preservation system
  - They are each other's backup

### A National Co-operation Preservation Network







- Central management node is in building
  - Contracts registry
  - Nodes registry
  - PID namespace management
  - Metadata of archived data harvest
  - Duplicate & Backup between nodes
  - Ingest report\Statistic report\Audit report



# Constructing a National Cooperation Preservation Network

- Currently three nodes in this network
  - NSLC: ours
  - ISTIC, Institute of Scientific and Technical Information of China
    - Began in January 2015
    - Retrospective data
  - Beijing University Library
    - Will start in September 2015 (this month)
    - Resources in basic sciences, interdisciplinary fields, and high-tech fields, social science





# Thank You!