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Open academic service in the NSL-CAS: From notion to action

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Open Academic Service in the NSL-CAS: from notion to action
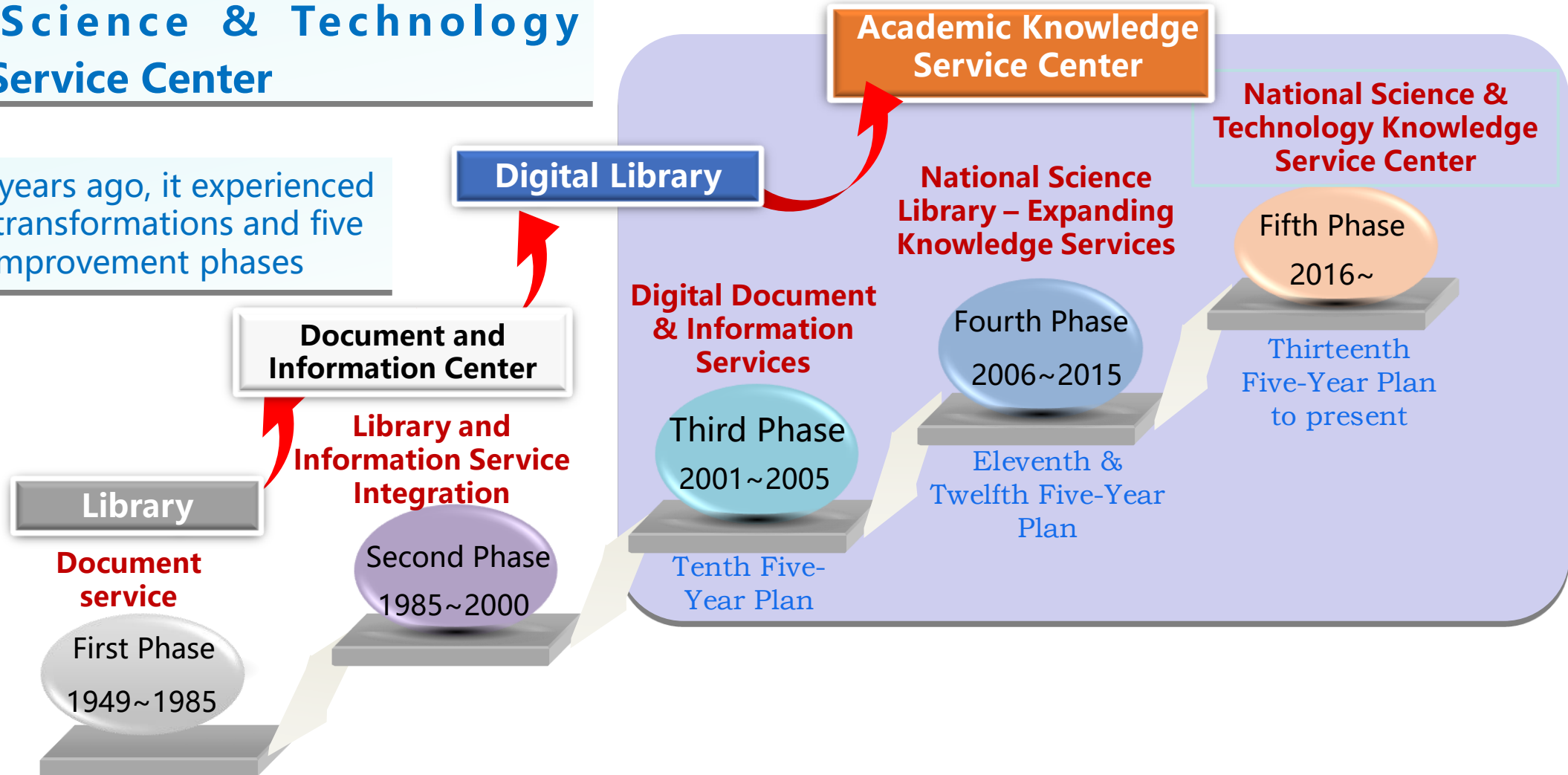
中国科学院文献情报中心的开放学术服务：从理念到行动

Xiwen Liu（刘细文）

25 October 2021
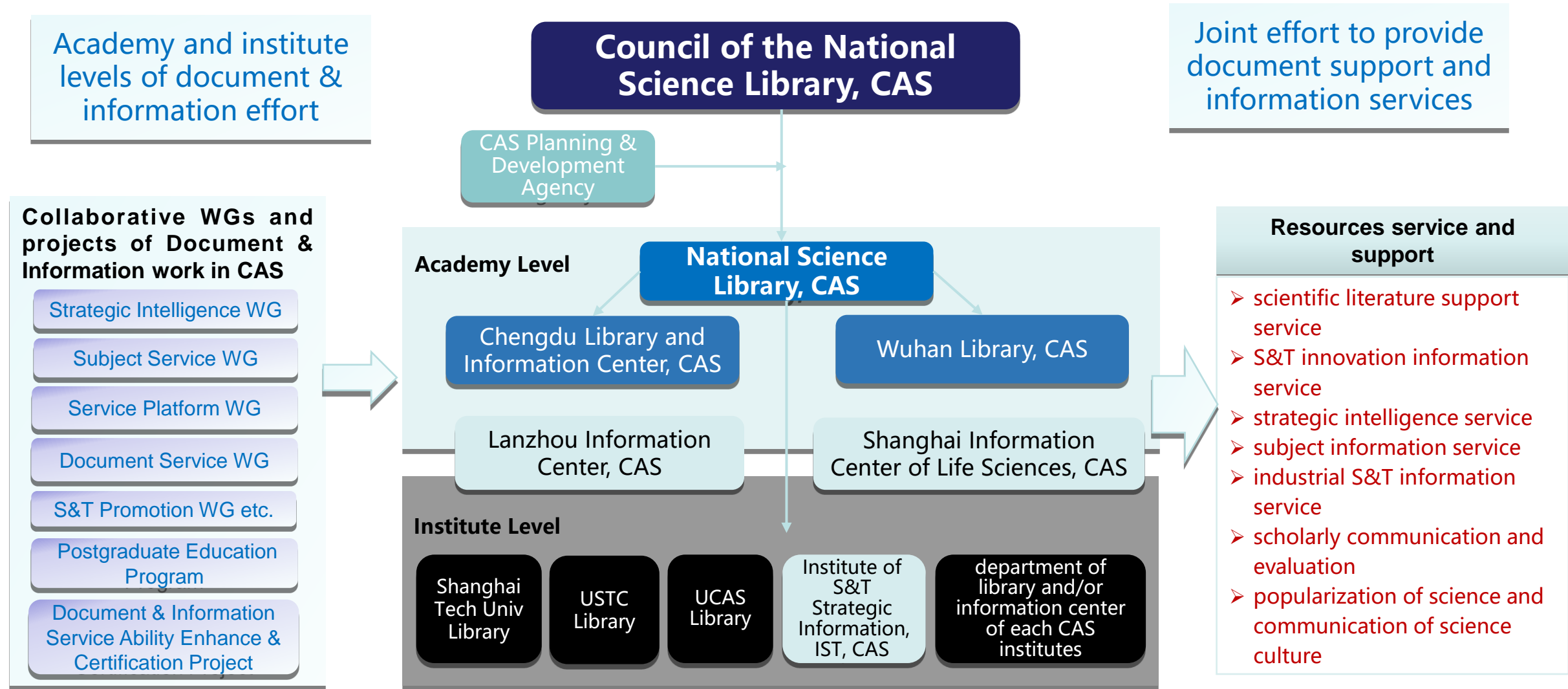
A Brief Introduction of NSL-CAS

Brief Introduction of National Science Library CAS

Goal: To be member of the first-class National Science & Technology Knowledge Service Center

Founded 70 years ago, it experienced three major transformations and five capabilities improvement phases

Academic Knowledge Service Center

National Science & Technology Knowledge Service Center

Digital Library

National Science Library – Expanding Knowledge Services

Document and Information Center

Digital Document & Information Services

Library and Information Service Integration

Library

Document service

Fifth Phase
2016~

Thirteenth Five-Year Plan to present

Fourth Phase
2006~2015

Eleventh & Twelfth Five-Year Plan

Third Phase
2001~2005

Tenth Five-Year Plan

Second Phase
1985~2000

First Phase
1949~1985

Frame of National Science Library System

Academy and institute levels of document & information effort

Council of the National Science Library, CAS

Joint effort to provide document support and information services

CAS Planning & Development Agency

Collaborative WGs and projects of Document & Information work in CAS

- Strategic Intelligence WG
- Subject Service WG
- Service Platform WG
- Document Service WG
- S&T Promotion WG etc.
- Postgraduate Education Program
- Document & Information Service Ability Enhance & Certification Project

Academy Level

National Science Library, CAS

Chengdu Library and Information Center, CAS

Wuhan Library, CAS

Lanzhou Information Center, CAS

Shanghai Information Center of Life Sciences, CAS

Institute Level

Shanghai Tech Univ Library

USTC Library

UCAS Library

Institute of S&T Strategic Information, IST, CAS

department of library and/or information center of each CAS institutes

Resources service and support

- scientific literature support service
- S&T innovation information service
- strategic intelligence service
- subject information service
- industrial S&T information service
- scholarly communication and evaluation
- popularization of science and communication of science culture

Outline

1. Notion of Open Academic Service

2. Signed the OA declaration and policies statements

3. OA practice and service in NSL-CAS

4. In the Future

1 Notion(1)

- **(1) Open and sharing are the essence of the library and information service. Library should play an important role in the Open Access movement. In the beginning of 2003, CAS had the solid receptions on the Open Access when it was initiated.**

- **Because of :**

  – **Open Access will affect library and librarians' future survival and career in the whole of life.**

  – **Open Access will involve more stakeholders and participants in the wide professional fields.**

  – **Some OA implementation rules needs to test and be considered carefully.**

1 Notion(2)

- **(2) Open Access will depend on the technical and mechanism Innovation, specially in the side of the IT and digital content technology**
  - The development of IT and the global open access movement will form many predictable new models for academic services.
  - Big data, AI, Mobile internet and Cloud computing should be applied and change the OA modes.
  - NSL should testify the Open Academic Services models, which could be embedded in digital research processes in China.

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2 Signed the OA declaration and OA policy statement(1)

- **Mr. Lu Yongxiang, signed the Berlin Declaration in 2003. The CAS and NSFC signed in 2004.** 路甬祥先生在2003年签署柏林宣言，中科院和基金委在2004年签署。

- **Pictures source: mpg.de**

2 Signed the OA declaration and OA policy statement(2)

- **The Chinese Academy of Sciences and the National Natural Science Foundation of China have published each open access policy in 2014 on same day.**

- 中国科学院与国家自然科学基金委员会于2014年共同发布各自的开放获取政策声明。

- **Pictures source: cas.cn**

2 Signed the OA declaration and OA policy statement(3)

- **Premier Li Keqiang attended the 3th Global Research Council and delivered a speech in support of open sharing, intellectual property rights and the development of young talent scientists.**

- 李克强总理出席第三届全球研究理事会，致辞表示支持开放共享与知识产权以及青年科学家的发展。

- **Pictures source: xinhuanet.com**
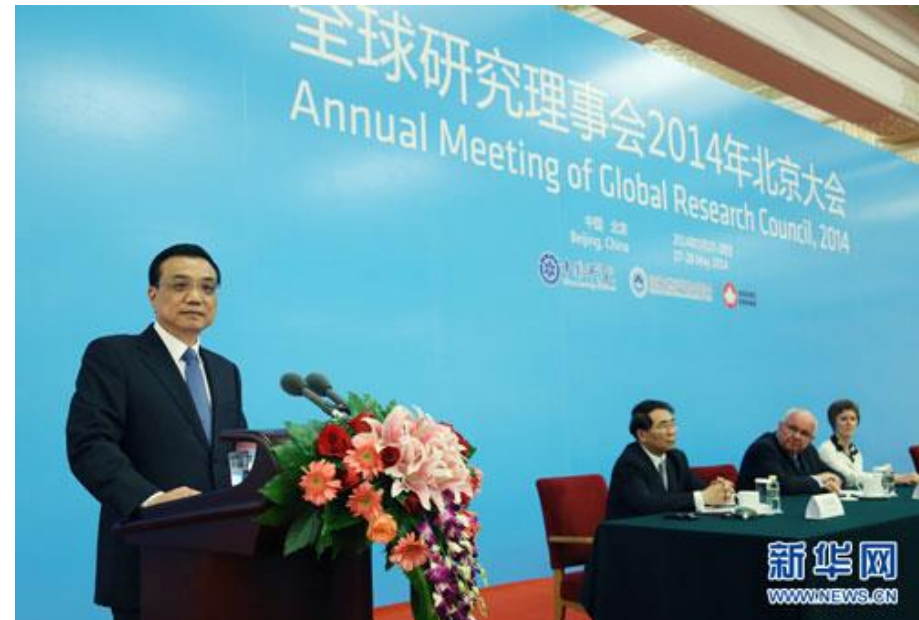
2 Signed the OA declaration and OA policy statement(4)

- **NSL-CAS signed OA 2020 initiative and organized the meeting for discussing the feedback to Plan S implementation guideline.**

- 中国科学院文献情报中心签署OA 2020倡议书，并且组织了讨论Plan S 实施指南的反馈意见。

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3. OA practice and service in NSL-CAS

   3.1 Institutional repository of CAS

    3.2 ChinaXiv Service

    3.3 CAS OA in One Platform

    3.4 OA Resource collections

    3.5 OA Journals

    3.6 OA training and conferences

3 OA practice and service in NSL-CAS(1)

- **3.1 Building a Grid of IR in CAS and a domestic community.**

- 逐步建成机构知识库集群以及全国范围的社群

- **Pictures source: www.irgrid.ac.cn/**

3 OA practice and service in NSL-CAS(2)

- **3.1 COAR has supported in many times the Chinese Institutional Repository Conference and International Open Access Repository Training Course.**

- 国际开放获取知识库联盟多次支持中国机构知识库研讨会和国际开放知识库培训班

  - **Pictures source: COAR**

3 OA practice and service in NSL-CAS(3)

- **3.2 ChinaXiv is the first and largest pre-print platform in China; more Chinese Journals collaborate together.**

- ChinaXiv是第一个也是最大的预印本平台，有越来越多的中国期刊的合作。

- **Pictures source: http://chinaxiv.org/**

3 OA practice and service in NSL-CAS(4)

- **3.3 Open Access Resource platform (such as OA in One) supports the NSL-CAS' big data service that by using mobile, cloud and AI tech to service CAS researchers.**

- 开放资源建设（如 OA in One项目）支 持文献情报中心的大 数据服务，通过移动、 云、人工智能技术， 服务中科院科研人员

- **Pictures source: http://oa.las.ac.cn**

3 OA practice and service in NSL-CAS(5)

- **3.4 NSL-CAS led main Chinese Academic Libaries to support the SCOAP3 and put the whole progress on next step.**

- 中科院文献情报中心牵头主要的中国学术图书馆支持SCOAP3的工作，并将整体进程向前推了一步。

- **Pictures source: SCOAP3**

3 OA practice and service in NSL-CAS(6)

- **3.4 Since 2012, NSL-CAS worked with BMJ and IOP substantive together for funding CAS authors to publish open access papers.**

- 自2012年起，中科院文献情报中心与BMJ和IOP实质性合作，资助中科院作者发表开放获取论文。

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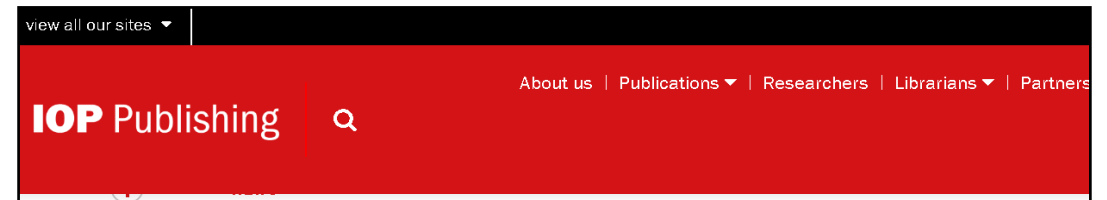
IOP Publishing

IOP Publishing and Chinese Academy of Sciences sign archive agreement

25 Jul 2011 iopp"> iopp

Researchers from the Chinese Academy of Sciences (CAS) are now able to access nearly 140 years of scientific research thanks to a new deal signed in Beijing by CAS and IOP Publishing (IOP).

The new arrangement gives researchers access to content published in 2003-2007 and follows previous long-term preservation agreements signed in 2010 and the national license agreement signed with the National Science and Technology Library for the historic archive in 2008. As a result of these arrangements researchers at CAS now have access to IOP content from 1874 to the present day and keep all this data as dark archive.

3 OA practice and service in NSL-CAS(7)

- **3.5 In 2020, NSL-CAS implememt a part of STM journals' the open access conversion agremment. In addtion, NSL-CAS publish OA Journals since recent years.**

- 在2020年中国科学院文献情报中心实现部分科技期刊的开放获取转换协议。此外，近年来出版多本开放获取期刊。

- **Pictures source: DI , JDIS**
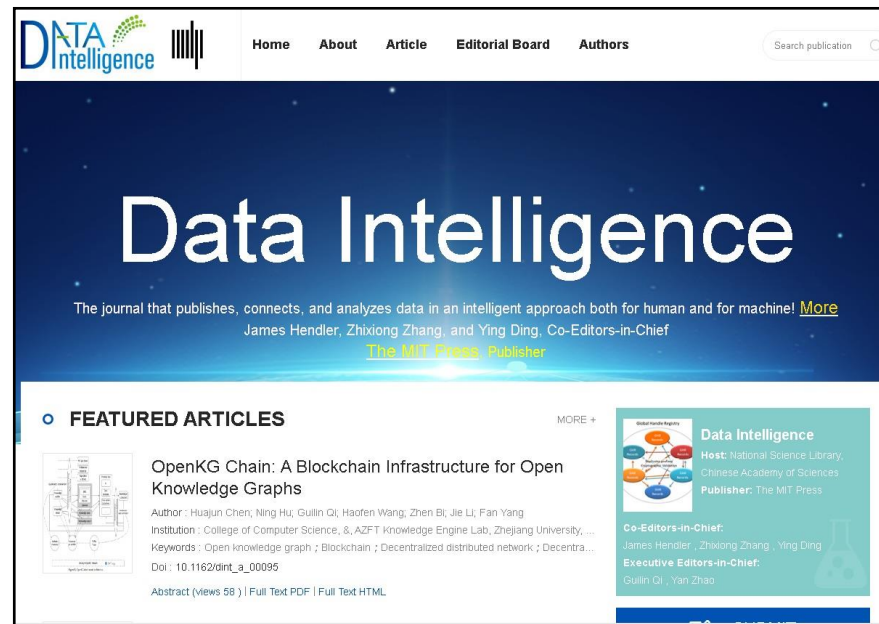
3 OA practice and service in NSL-CAS(8)

- **3.6 OA training and Conferences**
  - **In 2004, NSL-CAS introduced Open Access to China, as the first systematically input on those issues.**
  - 自2004年，文献情报中心首次在中国系统介绍开放获取。
  - **In 2010, CAS hosted the Berlin 8 conference.**
  - 在2010年，中国科学院主办了柏林8会议。
  - **Since 2012, the China Open Access Week was held by NSL-CAS every October till now.**
  - 自2012年以来，中国科学院文献情报中心每年十月举办中国开放获取周会议，直至今年。

- **3.6 OA training and Conferences**
  - **A series studies of intellectual property solves some practical barries, such as the seminar of Copyright Law Amendment, Fair Use Week, traning course etc.**

- 一系列的知识产权研究解决部分实践障碍，例如，著作权法修正研讨、合理使用周、图书馆著作权培训班等。

- **Pictures source: http://www.las.cas.cn**

3 OA practice and service in NSL-CAS(10)

- **3.6 OA training and Conferences**

  – **Open Source Software Conference**
  – **Open Science Conference**

- **Pictures source: lsc.org.cn**

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4 In the Future(1)

- **In the future,NSL will continue to uphold the concept of open academic services, build an open academic information service value-chain, and form an academic information service ecosystem embedded in digital academic environment.**
  - Promotion of the CAS-OA-in-ONE for the open science
  - Promotion of transformative resource collections for OA and subscriptions
  - Update the IR System in CAS to a research resources mgt. for decision-making and supports.

4 In the Future(2)

- **Participation of the high level acadmic communications platform of CAS**
  - **Subject fields Xive platform**
  - **Open scientific data and open publishing**
  - **Scholarly community for open science**
  - **Knowledge discovery based on the open multi-resources**
  - **Acadmic findings exchange and promotion for Chinese research articles**

4 In the Future(3)

- **To develop more open academic services that meet the needs of CAS researchers and the public, eg. subject database, knowledge discovering tools based on the big data and AI.**

- **To participate the tasks of COAR working groups, such as metadate schema standard.**

Thanks for attentions

Welcome the questions

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