The e-Resources & Services of the National Central Library in Taiwan

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PNC 2007 Annual Conference
Oct. 19, 2007
Outline

◆ Mission of the NCL
◆ Collection Highlights
◆ Information Services
◆ NCL NDAP
◆ International Collaboration
◆ Future Prospects
Mission of the NCL

- According to the *Library Law of the Republic of China*, the National Central Library (NCL) is established by the rightful authority at the central government level to serve primarily government agencies, juridical persons, organizations and researchers.

- Under the same law, the NCL is the *legal deposit* institute for the nation’s publications.
Collection Highlights

- General Books and Periodicals
- Chinese Rare Books / Special Collection
- Government Publications and Law Collection
- Chinese Studies Resources
- Audio-visual & Microform Materials
- Electronic Resources

http://www.ncl.edu.tw
Information Services

◆ Bibliographic, index & abstract services
  - 24 hours a day, whole year Internet access
  - 14,132,430 bibliographic records (as of Sept. 30, 2007)

◆ Digital content services
  - Digital full-text and images on internet for education and research access
  - 32,087,416 images (as of Sept. 30, 2007)

◆ Document delivery services
  - FAX, mailing, and on-line printing for full-text access
  - Year 2006, 427,983 applications; 5,650,000 pages delivered; 560,000 journal articles

◆ E-Resources MetaSearch
◆ E-learning services
  - First online courses repository for library professionals in Taiwan
  - Over 120 courses available for librarians, school teachers, students, and the general public; digital full-text and images on Internet for education and research access

◆ Portal services
  - Chinese Knowledge Portal: provides access to online Chinese-language resources in Taiwan and abroad.
  - Taiwan Research Portal: an integrated interface to search for resources on Taiwan studies.
Bibliographic, index & abstract services

- Library integrated automation system (since 1980) ([http://lib.ncl.edu.tw/e_menu.htm](http://lib.ncl.edu.tw/e_menu.htm))
- Union Catalog of Chinese Rare Books ([http://rarebook.ncl.edu.tw/rbook.cgi/frameset4.htm](http://rarebook.ncl.edu.tw/rbook.cgi/frameset4.htm))
- Taiwan Humanities Indexes ([http://memory.ncl.edu.tw/tm_sd/index.jsp](http://memory.ncl.edu.tw/tm_sd/index.jsp))
Library integrated automation system

As of Sept. 30, 2007, there are 1,659,067 Bibliographic records.

The URiCA/Spydus system will soon be replaced by a UNICODE based system (ALEPH 500) at the end of 2007

http://www.ncl.edu.tw
Launched in April 1998
Jointly established by over 70 member libraries in Taiwan
Comprises about 6.7 million bibliographies
Includes over 400,000 Chinese name authority records

**Publication Date:** 2006

**Location:** Taipei: National Digital Archives Program, 2006

**Format:** 80 p.: ill. (some col.); 30 cm

**International Standard Book Number:** 986-00-7124-1 pbk

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**Notes:**
- Two booklets inserted. (Brief introduction of National Digital Archives Program in Chinese)
- Title from cover

**Keywords:**
- National Digital Archives Program (China)
- Archival materials -- Digitization -- Taiwan
- Preservation of national cultural treasures data processing

**Other Titles:**
- National Digital Archives Program (R.O.C.)

**Other Keywords:**
- 數位典藏國家型科技計畫
(ISBNnet)

- Launched in July 1989
- Compiles all ISBN/CIP bibliographic records for Taiwan
- Contains book introduction, reviews, awards, cover images and a publisher directory information

Two important publications:

- ISBNnet News
- New Books Monthly: Recent and Forthcoming Publications in Taiwan, ROC
**PerioPath:**
Index to Chinese Periodical Literature-1

- Public access to bibliographies of papers in over 3,000 Chinese and western language periodicals and journals in Taiwan, Hong Kong, and Macao since 1996, as well as abstracts since 1997
- Links to **full-text versions** from the NCL’s periodical image database
- **Document delivery service** for copyright-authorized texts

http://www.ncl.edu.tw
中文期刊篇目索引影像系統

第1筆／共2筆

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<td>A Review of Huang Kuan-chung's Historical Studies of the Southern Song</td>
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<td>作者</td>
<td>塔拉達(Teraj Jun) 藝: 蕭秀敏(Huang Hsiu-ming)駝</td>
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<td>刊名</td>
<td>漢學研究通訊</td>
</tr>
<tr>
<td>卷期／年月</td>
<td>231189民93.02 頁13-18</td>
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<td>譯文</td>
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Electronic Theses and Dissertations System-1

- Launched in 1997
- Online access to graduate and doctoral dissertations published in Taiwan since 1956
- Free public download to copyright-authorized full-text theses since 2000
- Over 70,000 access per day. An average of 3,500-4,000 persons access online simultaneously.
Electronic Theses and Dissertations System-2

Statistics (as of Sept. 30, 2007)

- Abstract: 417,219 titles
- Copy-right authorized full-text: 99,191 titles
- Doctoral dissertation with full-text images: 15,756 titles, over 340,000 pages (in NCL use only)
Abstract

Japan was a very active resource-plundering nation in Indochina during World War II. It entered Vietnam in 1940. Since 1941, it had become the biggest importer of the Vietnamese rice. This research aims to show the how and why Japan subjected the Vietnamese rice production and exportation under its control in such a short time.

First, this research begins with a historical background. There was a war in Korea and a flood in Taiwan. Seconds, owing to the war, most Japanese soldiers were forced to serve in armies or to work for the industry of military equipment. In Japan, the need for rice was in emergency. Thirdly, the European countries were able to cut off trade, and England was blockading the French freight vessels on the sea route which stopped the products of Indochina from being transported into France.

The Vietnamese rice merchants had to find a new replacement. They came the chance for Japan. With the assistance from its alliance, the Japanese military soon garrisoned in Indochina, and finally reached their goal.
Union Catalog of Chinese Rare Books - 1

- Established in 1998
- 30 cooperative institutions: China, Japan, Korea, Taiwan, United States, etc.
- Over 567,000 titles
- Metadata format with 14 search keys

http://www.ncl.edu.tw
Established in 1980, the Center for Chinese Studies has made a number of important achievements.

The Center has established 9 subject databases and made its publications available over the Internet.

- Chinese Studies
- Newsletter for Research in Chinese Studies
◆ Established in 2005

◆ Content

- Taiwan Publications from 1945 to the first half of 2005
- Mainly books, academic papers or essays, proceedings, collected thesis papers by individual authors, collected honorary birthday and memorial essays. (excluding academic journals, degree thesis papers and daily newspapers)

◆ Subject

- Chinese culture, literature, history, thought, academics, and other humanities fields
Launched in 1998

READncl (Remote Electronic Access/Delivery system of NCL) currently provides searches of periodical literature, government information and literature resources in the library collection online.

(http://www.read.com.tw/web/hypage.cgi?HYPAGE=index.htm)
Digital Content Services

- Rare Books Image Search System
  (http://rarebook.ncl.edu.tw/rbook.cgi/store/frameset.htm)

- Contemporary Authors Full-Text & Image System
  (http://lit.ncl.edu.tw/hypage.cgi?HYPAGE=home/index.htm)

- ETD system (http://etds.ncl.edu.tw/)

- Taiwan Memory
  (http://memory.ncl.edu.tw/tm cgi/hypage.cgi?HYPAGE=index.hpg)

- Taiwan Info
  (http://twinfo.ncl.edu.tw/tiqry/hypage.cgi?HYPAGE=home/index.htm)

- Window on Taiwan
  (http://readtw.ncl.edu.tw:8080/readtw/index.jsp)
NCL rare books and bronze/stone inscription rubbings have been converted into high quality digital image files.

It also creates rare book annotation files and compressed image files for Internet use, making these precious documents widely available and ensuring their preservation for future generations.

http://www.ncl.edu.tw
On-line Exhibition

The on-line exhibition contents include explanation and enlargeable color graphics.

http://www.ncl.edu.tw
Contemporary Authors
Full-Text & Image System

- Funded by the Council of Cultural Affairs, Taiwan (CCA), this system collects literature of contemporary authors in Taiwan for the past 50 years.
- Content: biography, manuscripts, newspaper clips, photos, translation, famous sentences, comments or reviews, etc. regarding that particular author.
Funded by the Ministry of Education (MOE)

To better preserve and restore the valuable historical literature and audiovisual archives of Taiwan history

Content: Pictures, photographs, books, documents, historical materials, news videos. lays out by the name, event, time, place and object

Extensive reading lists suggested
荷蘭人初至安平先後遭原住民數次抵抗，於是決築城垣。熱蘭遮城(Orange)，約於1634年完工，城內有總督府、教堂、監獄、軍火庫、糧倉、倉房等，並安置砲台，為荷蘭人在臺灣的政治、軍事中心。荷蘭人離開後鄭氏曾以熱蘭遮城為反清司令部，至靖康時期亦為閩府駐地。昭和5年(1930)日本政府為慶祝「臺灣文化三百年紀念」，而將內城高臺上的房屋改建為新式洋樓，即今日之見龍院，是俗稱的安平古堡，為第一號古蹟。
Taiwan Info

◆ The NCL integrated the abundant resources in its Government Information Web, which includes Government Gazettes, Government Statistic, Government Publications, together with the local documents, government news online, and internet resources, etc.

◆ Users can navigate to information on people, events, periods, places and products, etc. regarding today’s Taiwan.
Although Taiwan only covers a small part of their total territory, they have six national parks and the Beauty of Taiwan is composed of the vast ocean surrounding the island and cultural charm. 

- Northern Taiwan Mixing Fashion and Natural Beauty
- Eastern Taiwan with Beautiful Mountains and Sea
- The Various Flora and Fauna
- The Delicious Food of Taiwan
行政院新闻局正式啟用英文、政府入門網站

行政院新闻局已於日前完成英文、政府入門網站，啟用新版，推出全新網站「新聞網」，並同時啟用英文網站。

行政院新闻局長張俊雄今日在啟用英文網站時，表示啟用英文網站，是為了更方便國際友人、外商、觀光客及外國媒體報道了解台灣訊息。

行政院新闻局長張俊雄表示，英文網站啟用後，國內外讀者可以透過英文網站，輕鬆地獲取台灣的最新新聞、政策及國家建設的相關資訊。

行政院新闻局長張俊雄指出，台灣的英文網站將成為國人的窗口，讓國際社會更了解台灣的發展與進步。

行政院新闻局長張俊雄強調，英文網站的啟用是台灣對外溝通的重要工具，希望未來能透過英文網站，讓更多國際友人認識台灣，了解台灣的多元化發展。
Content: local history and geography education, social and culture education, tourism and travel

The system aims to promote the general understanding of Taiwan and serves as research and leisure purposes of the local cultural resource.
Each township or village includes information regarding local history, who’s who in local community, historical sites, scenic spots, local festivals, featured foods, local industry and economy, travel and maps, local documents, geology, etc.

A fully translated English version also gives an excellent resource to introduce the essential features and beauty of Taiwan to the international society.
E-Resource MetaSearch (http://findit.ncl.edu.tw/)

- Launched in 2006
- Integrated search for NCL licensed databases and free Internet resources in Western languages
## MetaSearch Results

Combined results for "digital library" (8383 hits)
View results by databases

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<th>No.</th>
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<td>1</td>
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<td>Huwe, Terence K.</td>
<td>Keeping Up With Users Communities</td>
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<td>Boyer, Harold N.</td>
<td>Hot-So-Splendid Isolation</td>
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<td>African American women writers of the 19th century</td>
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<td>American landscape and architectural design, 1850-</td>
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SFX: Extended Linking.
Save records in PC.
Send records via Email.
NCL E-Learning Campus (http://cu.ncl.edu.tw/)

- Established since Dec. 2000
- Everyone is welcome to participate the online courses of the NCL E-Learning Campus. Most of the courses are freely available to the public.
There are over 120 online courses grouped into three major categories:

- **Library Professional Training Series**: Cataloging & Classification, County Library Management, Library Automation, Reader Service, School Library Management, and Global Village


- **Library Use Series**: Library and Information Literacy, Reading Methods, and Web-based Database Use Training
Qualification issues in Digital Long-Term Preservation (DLTP): Experiences from Germany

Prof. Dr. Achim Oßwald
Cologne University of Applied Sciences
Institute of Information Science

in Cooperation with German Cultural Center Taipei
National Central Library
Taipei, Taiwan 13/9/2007
Portal of Chinese Research Materials
(http://search.ncl.edu.tw/LISP/hypage.cgi?HYPAGE=home.htm)

Taiwan Research Portal
(http://twstudy.ncl.edu.tw/)
Funded by the National Science Council (NSC)
Rare books
Periodicals and newspapers
Local documents
Technical Standards:

Various types of metadata formats and digital file standards are used by NCL in digitization work:

- Digital Library Distributed Protocols (SOAP, OAI, OpenURL)
- Information Retrieval Application Service Definition and protocol Specifications (CNS-13416, Z39.50)
- CMARC
- Chinese MARC Format for Document Analysis
- Metadata specifications
- Material Digitization and Denomination Principles
- NCL Rare Book and CMARC Field Comparison Chart
- NCL Periodical Image Coding Principles
- NCL Newspaper Image Coding Principles
- NCL Local Documents Image Coding Principles
- Standards and Coding Principles for Conversion of Rare Book Microfilm Data to Image Files

http://www.ncl.edu.tw
International Collaboration

International Digitization Cooperation

Project example:

- Rare books digitization project:
  - Cooperate with the U.S. Library of Congress. (2005-2008)

- Genealogical data digitization project:
  - Cooperate with the Genealogical Society of Utah (GSU). (2005-2009)

- Global Memory Net (GMNet):
  - Provides high-quality images of old postcards of Taiwan and rare books for the Taiwan Memory content of GMNet. (2006-2007)
Taiwan Memory

1,000 images match your selection. Each page shows up to 20 images.

http://www.ncl.edu.tw

GMNet

NCL Taiwan

http://chen2.simmons.edu/larger/image=05354-0-023.jpg&collection=taiwan

http://chen2.simmons.edu/larger/image=cca-1-20001-pc-tw-002416446-b.jpg&collection=taiwan

http://chen2.simmons.edu/larger/image=cca-1-20001-pc-tw-002416446-b.jpg&collection=taiwan

Resolution: 1/4 - Click the region of interest for enlargement.

The copyrighted images and metadata are modified for inclusion in the Global Memory Net.
Other collaboration

Yahoo！Kimo
Google Scholar
NDDS
(Nationwide Document Delivery Service)

http://www.ncl.edu.tw
Preserve and digitize rare books, local documents, academic journal articles and theses; share national treasure and encourage research development.

Expand the scope of NCL digital collection and develop new value-added applications and a more integrated system to provide a better digital archive service for current users and future generations.

Enhance digital services through domestic and international cooperation.
Future Prospects

- Deal with **longterm preservation** for academic e-resources.
- Develop **web archiving** of governmental, academic, and major social events Internet resources in Taiwan.
- Integrate the information retrieval of NCL databases through **OAI service provider and data provider**.
Thank you!

Special thanks to:
Director Hsiao-Ming Yu
Dr. Shiow-man Liao
Mr. Chao-min Chiu
For their contribution to the presentation