

Current Conditions and Future Prospects of National Central Library's Efforts to Archive, Manage, and Provide Service for Digital Resources in Taiwan

國家圖書館 曾淑賢館

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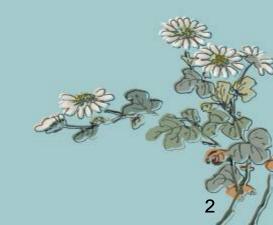


October 17, 2011





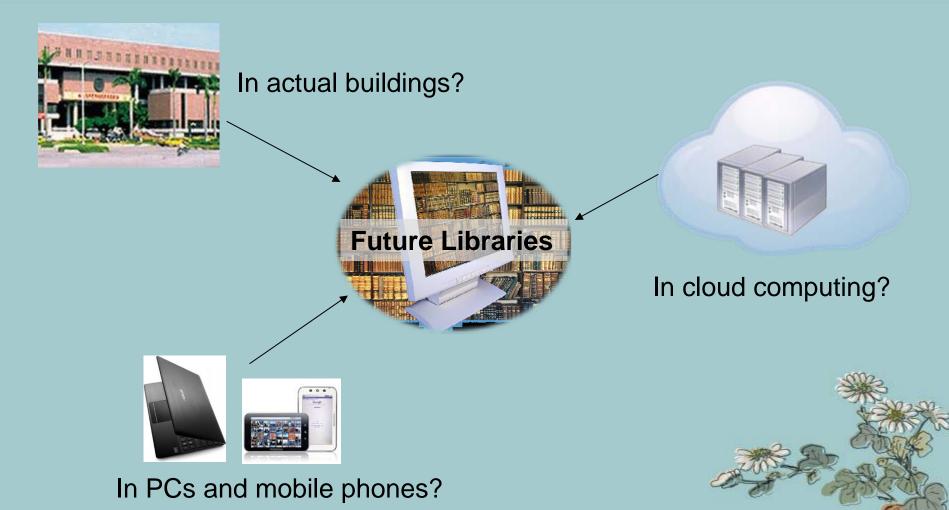
- Introduction
- National Central Library's Roles and Missions
- NCL's Efforts to Archive and Manage Digital Resources in Taiwan.
- NCL's Efforts to Provide Digital Resource Services
- Future Prospects
- Conclusion











CON R R N & 16



國家圖書館的角色與任務 National Central Library's Roles and Missions







國家圖書館的角色與任務(1) National Central Library's Roles and Missions

- NCL's legal roles and missions
 - preserve & disseminate national culture
 - permanently archive publications nationwide
 - provide a national composite database
 - catalogue materials
 - promote scholarship
 - engage in international cooperative projects





國家圖書館的角色與任務(2) National Central Library's Roles and Missions

- Advances in digital and internet technology has changes libraries' traditional functions
 - Library holdings: preservation of civilization changed from paper to digital
 - Diversified archived media types
 - Digitization of rare collections
 - The rise of e-books



國家圖書館的角色與任務(3) National Central Library's Roles and Missions

- Service models: passive library-centered to active, personalized interned-based
 - Service not limited by time and space
 - E-reading increasingly popular
- Information services: traditional catalogs and indices to digital content
 - Readers need diverse information
 - Librarians' professionalism must increase
 - Bibliographic service going digital



圖家圖書館在臺灣數位資源典藏管理之努力 NCL's Efforts to Archive and Manage Digital Resources in Taiwan





圖家圖書館在臺灣數位資源典藏管理之努力NCL's Efforts to Archive and Manage Digital Resources in Taiwan

- Established a National Catalog and Database of Theses and Dissertations
- Established a National System for Public Use of Scholarly Journals
- Established a Webpage Archival and Management System for Taiwan
- Created an E-Publication Platform System
- Enhanced the Library's Digitization of Holdings and Value-Added Services



圖家圖書館在臺灣數位資源典藏管理之努力(1) NCL's Efforts to Archive and Manage Digital Resources in Taiwan

- National Catalog of Theses and Dissertations
 - 1970: A Catalog of Chinese Dissertations and Theses
 - 1998: searchable web-based version available
 - 2004: new version released with more functionality
 - 2010: National Digital Library of Theses and Dissertations in Taiwan
 - Improved knowledge management capabilities
 - Step closer to virtual expert system for theses & dissertations
 - Provides more sharing and open access
 - Abstracts: 647,819, with 197,048 open access full texts.
 (one-third of total)
 - 62 schools create file online; 10 use cloud computing system

圖家圖書館在臺灣數位資源典藏管理之努力(2) NCL's Efforts to Archive and Manage Digital Resources in Taiwan

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uxiliary Search: Simplified To Traditional Latin language	No.	Institution Name	Total		
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Year Past Years	3	國立政治大學	18745		
FMEA food science	4 8	國立成功大學	18425		
	5	國立高雄師範大學	16897		
Latest News Rss			More		

圖家圖書館在臺灣數位資源典藏管理之努力(3) NCL's Efforts to Archive and Manage Digital Resources in Taiwan

- National System for Public Use of Scholarly Journals
 - 1970: published Chinese Periodical Index
 - 1993: Online Chinese Periodic Index Search System added
 - 1998: distance users able to access systems
 - 2005: systems combined into Chinese Periodical Content Index System
 - 2010: renamed Index to Taiwan Periodical Literature System
 - Seeks open access rights from individual authors
 - Increased use and citations of articles
 - Passes on culture, thought, and techniques of our civilization
 - 1,375,861 articles, 23,688,978 scanned images, with 10,497,565 users from Jan to Aug 2011

圖家圖書館在臺灣數位資源典藏管理之努力(4) NCL's Efforts to Archive and Manage Digital Resources in Taiwan

	I Central Library PerioPath Momotion Center Index to Taiwan Periodical Literature System
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Bulletin Board	You are Here Home > Searching Service > Basic Search
Introduction C Searching Service C Journal Browsing C	Basic Search Advanced Search Nature Language Search Command Search Find
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圖家圖書館在臺灣數位資源典藏管理之努力(5) NCL's Efforts to Archive and Manage Digital Resources in Taiwan

- Webpage Archival and Management System for Taiwan
 - 2007: initial archival system created
 - 2008: expanded into Web Archive Taiwan
 - In June 2011 over 4,400 sites already archived
 - Scope includes websites from government, education, and research institutions
 - Archived content includes static pages (html, asp, aspx), attachments (doc, pdf, ppt, xls), and audiovideo files



圖家圖書館在臺灣數位資源典藏管理之努力(6) NCL's Efforts to Archive and Manage Digital Resources in Taiwan





O Our Web Archive

Latest Hotest

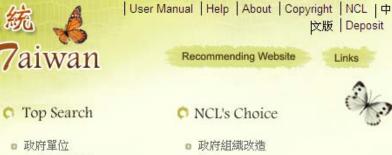


樹林市公所全球資訊網



臺中市政府全球資訊網





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Featured Collections

• 中華民國臺灣

教育改革

综合



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Archived Information O Archived File Type

Featured Collections

Home Site Map News FAQ Contact US

Links



<圖片>政府組織改造 行政院組織法將自中華民國101....



圖家圖書館在臺灣數位資源典藏管理之努力(7) NCL's Efforts to Archive and Manage Digital Resources in Taiwan

- E-Publication Platform System
 - Policies and Action Plan for Development of the Digital Publishing Industry: NCL's tasks
 - authorized to assign ISBNs for digital publications
 - became responsible for permanent archival of publications
 - became responsible for increasing e-reading population
 - 2010: Permanent Archival of National E-publications
 Project
 - Created a national cloud database of e-publications
 - E-Publication Platform System
 - Awarded 2011 ALA Presidential Citation for Innovative International Library Project

圖家圖書館在臺灣數位資源典藏管理之努力(8) NCL's Efforts to Archive and Manage Digital Resources in Taiwan

- The system officially went online on August 23, 2011

- Assigns ISBNs to e-publications
 - new publication information for e-books in Taiwan with quick dissemination
 - makes e-books internationally available and increases international cultural exchange
- Features multifunctional platform for deposit and archival
 - archives Taiwan e-books and preserves national cultural assets
- Provides convenient e-reading services for the public
 - online and offline e-reading
 - Digital Rights Management
 - policies for circulation of e-publications
 - Increases public's e-reading convenience and ability



圖家圖書館在臺灣數位資源典藏管理之努力(9) NCL's Efforts to Archive and Manage Digital Resources in Taiwan



Depositor's view

回首賞 蒙見結開 意見信箱 行動類 经底首真 Engli

圖家圖書館在臺灣數位資源典藏管理之努力(10) NCL's Efforts to Archive and Manage Digital Resources in Taiwan

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總校中電子書	2	7896	9497	9789860830170	松育机输	作者	2011/08/05	完成典	抽視	高导教育文化事業有限公司	192.83.186.1
得上架電子書	3	7842	9502	9789860830187	My Family	Jennifer Geronimo	2011/08/05	完成典 蔵	抽視	來來有關公司	192.83.186.1
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	8	7800	9471	9789860830248	台灣郊山地圖-北部高	黄膏管	2011/08/02	完成典	tang		圖書館 數
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Publishing view

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		展示順序 0
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	新增時間	2011-08-16
	更新人员	因实展者结
	洗机人員	153 /S. MI 15 85



Management view

國家圖書館 您好!!

個人编好 001-圖書總鎮 💟

圖家圖書館在臺灣數位資源典藏管理之努力(11) NCL's Efforts to Archive and Manage Digital Resources in Taiwan

- Digitization of Holdings and Value-Added Services
 - Rare book collection of 12,300 titles and 126,000 volumes, scrolls from Dunhuang, books from Song, Jin, Yuan, and Ming dynasties, hand-written copies, manuscripts, etc.
 - Digitization of ancient books, projects, shared resources
 - Digitization:
 - 2001: e-Learning and Digital Archives Program, results added to Rare Books Image Search System
 - Rare Books Information Web
 - Cooperative projects
 - 2005: digitized rare books in U.S. Library of Congress.
 Results uploaded to Rare Books Image Search System.
 - Jul 2011: signed an agreement with UC Berkeley

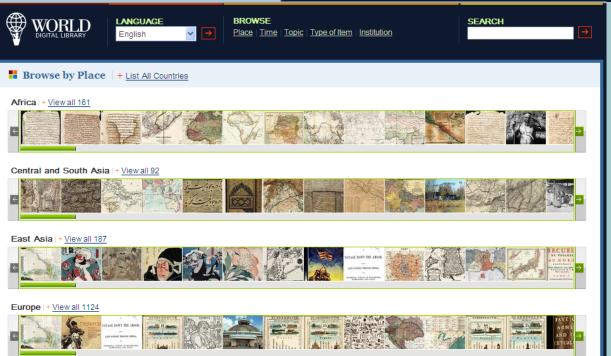
圖家圖書館在臺灣數位資源典藏管理之努力(12) NCL's Efforts to Archive and Manage Digital Resources in Taiwan





Z I





World Digital Library



Cooperation with University of Washington East Asian Library



Cooperation with UC Berkeley Library







圖家圖書館在臺灣數位資源典藏管理之努力(13) NCL's Efforts to Archive and Manage Digital Resources in Taiwan

- Adding value and innovation to ancient books
 - Classical Quintessence
 - depicts different versions of ancient books at NCL, hand-made illustrations and ancient painting anthologies, stone rubbings, ancient contracts from Taiwan, Chinese New Year paintings, and old postcards
 - Illustrations of Aboriginal Life in Taiwan
 - Images obtained through project with Library of Congress
 - Chinese Studies e-Classics database
 - displays early reference works at the library on rare books

圖家圖書館在臺灣數位資源典藏管理之努力(14) NCL's Efforts to Archive and Manage Digital Resources in Taiwan



Classical Quintessence

Illustrations of Aboriginal Life in Taiwan

Chinese Studies e-Classics





課2課 除了新作用、所得快之外

在夏天时。 他們會做上高高的獲辦街和水瓜樹。 株下東實。 哈哈 | 太郎兒後收得多歸心明 !

平地社会是我被离子。



與出版界合作出版古籍電子書

- 長晉 Charng Jinn Digital Co. http://www.funbook.com.tw/
- 遠流 Yuan Liu: <u>http://www.ylib.com/</u>
- 數位典藏計畫 TELDAP e-book project
- 光耀 OptiVision Technology http://www.optivtech.com.tw/
- 臺灣數位出版聯盟協會 Association of Taiwan
 Digital Publishing Alliances
 http://netreading.wordpress.com/



Charng Jinn Digital Co. -- 《聚珍擷英》

 聚珍撷英一國家圖書館特藏精選圖錄《聚珍擷英》-- the unique collection of NCL

Selections from the Special Collections of National Central Library



☐ 首頁 ////下載 Flipviewer //// 操作説明 //// 關於國圖

國家圖書館(以下簡稱本館)珍藏特藏資料,以宋、元、明、清善本以 及普通本線裝書為主,其中宋元本多屬珍籍,而明人文集尤為豐富,傲視羣 倫,餘如金石拓片等亦頗有可觀者。近年,對1946年以前臺灣舊籍文獻之收 藏,更是不遺餘力,重要者如清代臺灣社會買賣、借貸、典當等古書契約二 千四百餘件;臺灣早期風景及原住民生活明信片等約四千餘張。

在諸多珍藏特藏資料中,以宋、元、明、清善本以及普通本線裝書為 主,其中宋元本多屬珍籍,近500部,但並不單單以此誇世,而是以所藏的 6,000多部的明版書,以及明清稿本和批校本古籍,更為海內外學界所推 重,咸認為是研究中華古文化的重要資產。

本館身負典藏國家文化要籍之重責,將藏品化身千百、提供利用與傳 布,本圖錄以六個單元,分別介紹館藏古籍版本、手繪本及古籍版畫、拓 片、臺灣古書契、年畫、老明信片等,並配合精選之大圖片,呈現館藏之珍 責性與特殊性,以期達到如欣賞畫冊之藝術效果及闡揚舊籍的學術目的。

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- 《臺灣番社風俗》(Taiwan Aboriginal Villages) (Library of Congress collection)→《臺灣平埔 族生活圖誌》 (Published in Jan 2011)
- 《山海經》 (The Classic of Mountains and Seas) (NCL collection) (still in designing phase)





The Plain Aboriginal life in Taiwan "



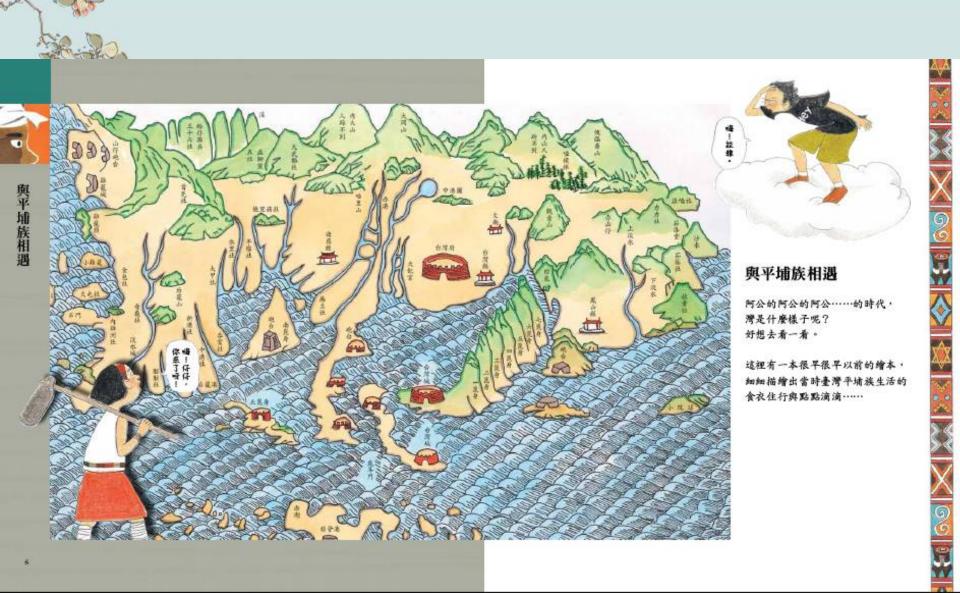


國家圖書館・小魯文化 合作出版











Yuan Liu's "Wisdom Collection"

- "The annotated introduction to the rare books collection at NCL" —e-version
- 第一階段(2010年8月~12月)
 - 《善本題跋真跡》(4冊) 《標點善本題跋集錄》(2冊)
 - 《佩加吾本越城采録》(2117) - 《國家圖書館善本書志初稿》(12冊)
 - 經部(1冊)、叢書部(1冊)
 史部(2冊)、子部(4冊)、
 集部(4冊)
- 第二階段(2010年12月~2011年3月)
 《國立中央圖書館善本序跋集錄》(16冊)--進行中



Presentation of NCL's rare book annotation work in Yuan Liu's "Wisdom Collection" 台灣學術書知識庫 本知識麼包含:137位操作課者,40家出版社、756本學術專著、13個研究專題 登入秋憩:智慧藏 60 中語新社 目前語言 繁璧中文 🛩 65 tf 密碼 1.登入帳號、密 被完 閲覧 乳的客桌 25.2 專庫 碼,以啓用個人化 019 E • 劉史珍羅(144) 2.使用檢索、閱 68 專題 Editors' choice -服務(國圖IP範 國家圖書館 **覽、我的書桌**等 想找更多資料嗎? • 國家協會總許讓基本精 請使用達隆柏索 **圍下**,無需帳號密 National Central Library 借(3) 功能 位完本書 • 耳中正(44) 碼,即可檢索、閱 檢索知識書 典藏善本專題精選 中國資産業史科製刊(21) **管全部內容**,只有 •二二八事件(21) 最近常被检索的關鍵字詞 3 • 課語福(14) 使用個人化服務 3. 查看最近常被 · 胡湯 (13) IGKE DUS NOS 1010 康德副 接透福 上線書簡 本軍位全文書目 國史診藏 時,例如做筆 接險與進行經典文集(33) 使用搜尋的關鍵字 基度山 • 安南劉王 • 中餐與西醫(11) 記、引用格式、 推薦書題 詞 . . * 劉提月(54) 友善列印 等,才 Seven Pillars Of Wisdom 智慧七柱(上) 國家醫書編善本題跋真時(三) ·廣德開(12) 自國家涵書館與藏19,000多部基本 「在文學上、本書勞倫新的著作不 需要登入帳號) 中、精谐含括缆、史、子、集、兼書 • 民間故事(40) 合理使用 6,認無一不重要。《智慧七柱》記 之1063据基本古籍, 麵取各家手書題 鋒他自己在沙漠中的戰爭回憶·已被 **送影印・上北宋権**-金庸研究(40) 4. 國家圖書館 公認為「某調文是中發偉大的。 MORE MORE 《台湾學術書知證庫》的內容受 • 柏楊 (65) 經學研究論藝·第五輯 校羅現場·住別觀察 到著作權相關法令的深國。在 本(論義)以最平實的態度來研究律 來自教育現場的聲音,邀請所有教育 東書駅頭車 電子書專題, 「合理使用」之時间下您得以证 7. 國家圖書館 **統加學。本輯收錄「經學研究」論文** 工作者、一能狭開雙眼、去看到存在 用本知識療・ 百年輕人(5):輕累的 二篇・研究(三禮)、《詩經》、 於校園中的種種性別現象 + 本書分為 本知道像的功能是專系您從事研 於此黃金版位 拿建装 《三傳》、《四書》論文九篇... 教話、星牛、身體、牛澤/_ 電子書專題 充工作简腔計的 + 您可以在線上 規葉髪部著作・但我們在信徒用 MORE MORE • 柏楊全集1 数文桥器文 輪播出現 這些內容時作了姑娘制,以避免 20 紹次算講療法:一音以短絡為本,詳 Souvenirs entomologiques: étude sur (常態呈現) 1200 該用,並保護著作權人/出版路 linstinct et les moeurs des insectes 入課整人體氣血的按摩腳法 · 百年輕人(1):輕重開 法市爾昆蟲記): 架換菜葉 經結是人體運行氣血、聯絡臟腑的原 合)總利:1 路先鋒 @ 【告訴我你吃的是什麼,我就能 路,經絡系統裡有經氣循環傳注,經 業的運行良好、人體各部功能才能保 百年軽人(6):誇困様 他不得列印或複製整話著作 設出你是哪種人。」在昆蟲世界裡這 持续测测平衡。综穴探测器。 體大亨 5.编輯推薦電子 您每次列印的真他受到限制 做法則是否也成立?本書中法布爾對 MORE -各種昆蟲的進食方式做了詳。 • 性别教育最前雌——多元 8. 電子書點閱 任何破壞上述限制之行為,不僅 書(輪播) 文化的觀點 可能得较我們給止您使用本知識 最新上級書單(本機構可能尚未訂購・僅供參考) • 百年輕人(2):時世紀 率排行 的輕人 機構違犯法合同受罰・ 國家國書編書丰書志初稿 經修 医家庭者结查丰者志初稿 兼者部 本書任國家圖書館所謂的基本解題目 本書係國家協書歸所做的基本解題目 • 医肠道胃腔炎 鋒,收錄裝書部善本共185部,部內 錄,收錄經部基本共1.128部,部內每 • 國家不會詩家幸 植書志撰寫之順序,依照《图立中央 每種書志撰寫之順序, 依照《图立中 6.最新上架電子 图書録善丰書目》先--央語書編春本書目》先後... • 柏楊全集15 小説優 MORE MORE - 百年輕人(4):全方位 書 標點善本題說集錄 上冊 標點基本題狀集錄 下冊 的記者 ****** 原《善本題說真時》約3,200影幅皆為 原《善本題跋真詩》約3,200影幅皆為

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圖家圖書館在臺灣數位資源服務之努力 NCL's Efforts to Provide Digital Resource Services





圖家圖書館在臺灣數位資源服務之努力NCL's Efforts to Provide Digital Resource Services

- Provide a Daily New Publications Service
- Provide Subject on Demand (SOD) Services
- Provide Knowledge Support Reference Services
- Established Web Services Gathered Under a Single Portal
- Established an E-reading Booth
- Provide Circulation of E-books

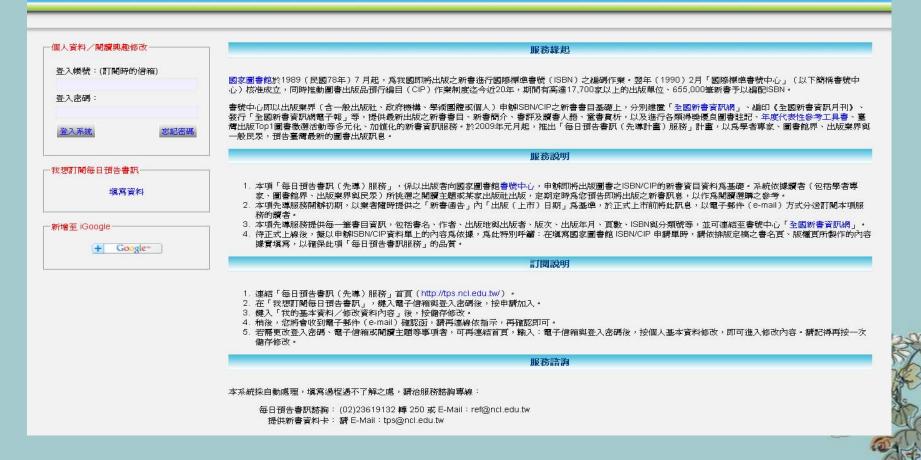
圖家圖書館在臺灣數位資源服務之努力(1) NCL's Efforts to Provide Digital Resource Services

- Daily New Publications Service
 - Developed in 2010
 - system automatically sends out regular emails to subscribers of this service, informing them of new publications that will soon be available, based on which topic or publisher a reader selects
 - As of Aug 2011, approximately 2,000 users
 have subscribed



圖家圖書館在臺灣數位資源服務之努力(2) NCL's Efforts to Provide Digital Resource Services

每日預告書訊服務





圖家圖書館在臺灣數位資源服務之努力(3) NCL's Efforts to Provide Digital Resource Services

- Subject on Demand (SOD) Services
 - 2011: began providing Subject on Demand (SOD) services
 - initially programmed with 100 academic topics
 - Can search NCL's five main database systems
 - Library catalog, National Digital Library of Theses and Dissertations in Taiwan, ISBN Agency of Taiwan, Index to Taiwan Periodical Literature System, and E-publication Platform System



圖家圖書館在臺灣數位資源服務之努力(4) NCL's Efforts to Provide Digital Resource Services





圖家圖書館在臺灣數位資源服務之努力(5) NCL's Efforts to Provide Digital Resource Services

- Knowledge Support Reference Services
 - 2010: completed Knowledge-based Reference System
 - Initial capabilities include: courses on data use, interlibrary projects, reference room guides, reference service standards
 - Includes five systems: 1) Pathfinder, 2) Subject
 Specialist Reference Service, 3) Internet Knowledge
 Lighthouse System, 4) Introduction to Selected
 Reference Works, and 5) Virtual Reference Taiwan



圖家圖書館在臺灣數位資源服務之努力(6) NCL's Efforts to Provide Digital Resource Services

♀數位多元資源查詢系統 查詢		全國圖書館合作參考服務
知識資源示意圖		資訊利用課程
學科專家諮詢		館際合作
提問表格 諮詢進度查詢		館際複印與互借 相關網站
知識共享圈		參考室指引
學科專家 網路知識燈塔		参考室平面圖 中西文分類法對照表
熱門主題網站		參考實景照片
網路資源選介		參考服務規範
知識寶藏	0	參考服務指引
工具書選介中文工具書選介	國家圖書館 知識支援參考服務	電腦使用須知 相關網站
西文工具書選介	National Central Library knowledge-based Reference System	關於本站



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圖家圖書館在臺灣數位資源服務之努力(7) NCL's Efforts to Provide Digital Resource Services

- Web Services Gathered Under a Single Portal
 - April 2011: iNCL single log in service started
 - users only need to set up one account; once logged in, there is no need to enter a username and password again, regardless of which system they navigate to.
 - As of Aug 2011, approximately 39,000 users have signed up, and have signed in over 53,000 times.



圖家圖書館在臺灣數位資源服務之努力(8) NCL's Efforts to Provide Digital Resource Services

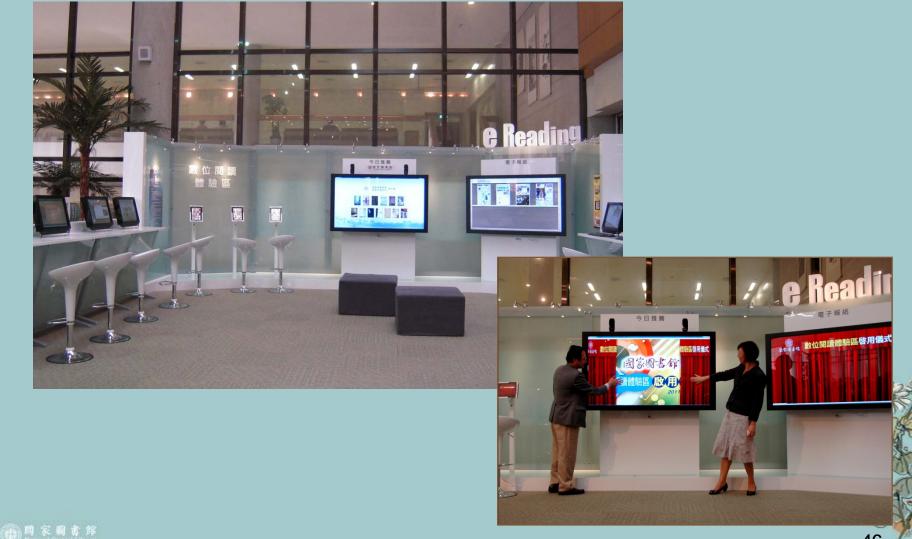


圖家圖書館在臺灣數位資源服務之努力(9) NCL's Efforts to Provide Digital Resource Services

- E-reading Booth
 - Officially opened on June 3, 2011
 - Provides diverse content, including enewspapers, e-books, and e-magazines
 - Some ancient books at NCL have been digitized
 - Reading devices available to borrow



圖家圖書館在臺灣數位資源服務之努力(10) NCL's Efforts to Provide Digital Resource Services



圖家圖書館在臺灣數位資源服務之努力(11) NCL's Efforts to Provide Digital Resource Services

- Circulation of E-books
 - Open access model
 - Can be checked out regardless of location; no limit
 - Limited access model
 - Can be accessed at designated NCL computers; e-books can be clicked on after logging in.
 - Can be accessed on PC, laptop, tablet, mobile device by logging into NCL's website. Can be read and returned at the click of a button.
 - Can be accessed offline with NCL Reader on any compatible device within the check out period.







Mobile iPad interface



Offline PC interface

Online web interface







未來展望 Future Prospects





未來展望(1)

Future Prospects

- Provide better mobile services
 - What information do readers want? To do what?
 What can libraries provide that Google cannot?
- Improve e-resource preservation technology
 - Library handles information security, backups, storage facilities, protection of digital content, copyright management and maintenance
- Formulate reasonable DRM services
 - Meet readers' needs, equal access to knowledge, avoid illegal copying by readers or libraries





未來展望(2)

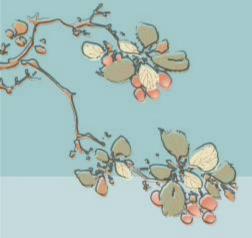
Future Prospects

- Increase quality of e-books in library
 - Encourage publication of quality books, recommend good e-books, encourage indepth reading
- Cooperative projects and shared resources
 - Revamp policies, work with major libraries here and abroad, share resources
- Increase technical savvy of librarians
 - Help readers understand how to use new technology, analyze e-books and market trends, provide courses and guidance



Conclusion

- Libraries exist for the benefit of the public and to encourage the acquisition of knowledge—something no other business entity can fully replace. Computer technology is developing rapidly. Profit-seeking information companies come and go, or get replaced at an alarming rate.
- Libraries and their image of public benefit have been around for centuries. They have social responsibilities and a mission to make educational materials available to all. They are trusted by the people.
- The National Central Library is a leader among libraries of the same type, and has a firm belief in serving the public, in improving functionality, and in the role of libraries as the ultimate knowledge trove in this, the digital era.



Thank you for Listening Your comments and suggestions are much appreciated



