

參加太平洋鄰里協會（PNC）2012年會暨聯合會議
及參訪史丹佛大學圖書館

成果報告

服務機關：國家圖書館

出國人員：曾淑賢館長

出國地點：美國加州舊金山

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目 次

| | |
|---|----|
| 一、前 言 | 1 |
| 二、太平洋鄰里協會簡介..... | 1 |
| 三、2012 年會暨聯合會議..... | 5 |
| 四、參與會議情形..... | 12 |
| 五、會議成果、心得與建議..... | 17 |
| 附錄： | |
| 附錄一 海報圖檔 | 21 |
| 附錄二 會議照片 | 22 |
| 附錄三 「台灣電子出版品法定送存及大眾使用 (Legal Deposit and Public Use of Electronic Publications in Taiwan)」簡報..... | 24 |

一、前言

太平洋鄰里協會（Pacific Neighborhood Consortium，簡稱PNC）成立的宗旨為推廣網際網路，透過先進的網路技術，促進太平洋沿岸地區國家資訊的交換及流通，使太平洋沿岸地區的各國成為生活密切相關的近鄰，將太平洋沿岸地區轉變為太平洋鄰里。本館館長擔任該協會圖書館工作委員會召集人，此委員會的目的在促進圖書館的資源透過網際網路與世界各地的使用者分享。本次會議的參與，除了發表「台灣電子出版品法定送存及大眾使用（Legal Deposit and Public Use of Electronic Publications in Taiwan）」，宣揚臺灣進步情形，並與圖書館同道進行經驗交流分享；另外，以「國家圖書館珍善本古籍數位保存：分享與合作（A Decade of the Rare Books Digital Archive Project at the National Central Library: Sharing and Collaboration）」為主題，參與海報展，介紹國家圖書館推動珍善本古籍數位典藏、推廣利用、國際合作及合作出版的努力。會議僅有3天，但成效極佳。此行除了參與會議外，亦把握機會與加州大學柏克萊分校東亞圖書館及史丹佛大學東亞圖書館討論合作事宜，雙方達成初步共識，並同意繼續推動。

二、太平洋鄰里協會簡介

太平洋鄰里協會源起於太平洋周邊國家公立大學校長聯合會中提出的太平洋鄰近國家協助計畫，由已故前加州大學柏克萊分校田長霖校長及該校哈迪克教授（Professor Curtis Hardyck）發起並正式命名。太平洋鄰里協會成立的宗旨為推廣網際網路，透過先進的網路技術，促進太平洋沿岸地區國家資訊的交換及流通，使太平洋沿岸地區的各國成為生活密切相關的近鄰，將太平洋沿岸地區轉變為太平洋鄰里。太平洋鄰里協會藉由集合此地區電子研究資源，成為進入此區域電子資源的入口，協助學者及研究人員能夠更加便捷地使用數位圖書館、數位典藏以及數位博物館的資源支援其教學及研究。透過相互的溝通與交流形成區域性的研究社群。（註1）

太平洋鄰里協會的重點工作包括：促成機構間資訊交換標準及資訊相互共用的協定、擴廣電子資訊技術的應用面，如財經資訊、醫療網路、網

路教學、圖書館館際交換、檔案收藏、及博物館館藏數位化等。這些工作的推動乃是透過數位典藏工作委員會、地理資訊系統工作委員會、圖書館工作委員會、博物館工作委員會、漢籍資料數位化工作委員會、智慧財產權工作委員會、網路合作工作委員會、會員工作委員會等機制達成。

中央研究院自 1994 年起加入太平洋鄰里協會，積極參與 PNC 各項研討會及活動。1997 年年底 PNC 總部由加州柏克萊轉移至中央研究院，並由中央研究院計算中心接辦太平洋鄰里協會總部會務，負責籌辦 PNC 年會及各項行政事務。自 1997 年至 2012 年間，中央研究院每年固定於太平洋沿岸不同地區舉辦年會，並針對各項網路最新技術舉辦相關演講及研討會，增進各會員國間學術交流及資訊共享之機會。（註 2）

PNC 的宗旨、願景、目標、策略及成就如下：（註 3）

（一）宗旨

透過與學者間的互動，進而推動跨領域、跨國籍之文化知識的發展與資訊交換分享。

（二）願景

1. 資訊技術將如同書籍或電腦易於使用。
2. 無論在何地，每個人都可使用位於太平洋延岸各種語文的圖書館、典藏、及博物館。
3. 專業的知識將普及於一般大眾。
4. 學生不再需要印刷的工具書。
5. 學生能在任何地方學習任何一種學科。
6. 學者能方便的使用任何工具來分析資料。
7. 學者間能彼此合作而不受語文、文化及國籍的限制。

（三）目標

1. 推動資訊資源的分享於一般大眾。
2. 推動 PNC 會員間的國際合作。
3. 積極推動及參與國際性的跨領域合作計畫。
4. 傳播資訊對學術的推動及對社會文化的影響。

5.號召更多的學者積極參與 PNC 的行列。

(四) 策略

- 1.加強 PNC 行政作業以配合會員之需求。
- 2.增加 PNC 資訊與服務內容以嘉惠其會員及會員國。
- 3.強調資訊技術對社會文化的影響。
- 4.強調運用資訊技術之規範。
- 5.針對不同類型之數位化計劃提供資訊及技術。
- 6.提供工作坊或特定課程來訓練學者/學生做計畫的能力。
- 7.定期與廠商或專業單位做意見的交換與溝通。
- 8.和其他有相同目標之區域性、國家性、或國際性團體合作。
- 9.和其他學術性團體進行數位化計畫合作。

(五) PNC 成就

- 促成美國加州柏克萊大學及台灣中央研究院計算中心合作 Gazetteer 計畫。
- 與中央研究院合作後設資料 (Metadata) 研究發展計畫。
- 提供太平洋沿岸地區國家網路基礎建設發展諮詢服務與合作。
- 支援各相關研究計劃進階地理資訊系統、後設資料標準、及網際網路技術。
- 舉辦相關科技訓練研討課程。
- 定期籌辦 PNC 年會、各項最新科技發展研討會。

三、2012 年會暨聯合會議

本年度會議經中研院召開籌備委員會，確定會議辦理的各項原則，會議正式於本 (2012) 年 12 月 7 日在美國加州舊金山召開，會議概況如下：
(註 4)

(一) 大會主題

本年度會議主題為「2012 年太平洋鄰里協會年會暨聯合會議：新的地

平線：資訊、技術連結文化、社區、時間及地方(PNC 2012 Annual Conference and Joint Meetings: New Horizons: Information Technology Connecting Culture, Community, Time and Place)」。

(二) 會議日期

2012年12月7日(星期五)至9日(星期日)，共計三天。

(三) 會議地點

會議地點選在位於美國舊金山的加州柏克萊大學舉辦，會場分為二處：

- 1.美國加州大學柏克萊分校資訊學院(School of Information, University of California, Berkely)。
- 2.美國加州大學柏克萊分校校友會館(Alumni House, University of California, Berkely)。

(四) 辦理單位

今年大會由負責太平洋鄰里協會(Pacific Neighborhood Consortium)秘書處業務的中央研究院與電子文化地圖協會(Electronic Cultural Atlas Initiative, ECAI)、柏克萊大學資訊學院(UC Berkely School of Information)、柏克萊大學東亞圖書館(C.V. Starr Eastern Asian Library)、順益原住民博物館(Shung Yi Museum of Formosan Aborigines)、空間到地點協會(Space to Place Constortium)等單位共同舉辦。

(五) 議程

三天的會議共舉辦了7場專題演講、23場研討會91篇論文發表和專題報告，以及海報展示與競賽，並安排參觀柏克萊大學東亞圖書館(C.V. Starr East Asian Library at UC Berkeley)，茲分項說明如下：

1.開幕式及專題演講

■ 專題演講一

主講人：Mr. Ben Kacyra

講題：Capturing Ancient Wonders in 3D & the 500 Challenge

■ 專題演講二

主講人：Prof. Clifford Lynch

講題：The Cultural Record in a Networked Information World

■ 專題演講三

主講人：陳淑君博士 (Dr. Sophy Shu-Jium Chen)

講題：台灣數位典藏計畫 15 年回顧 (A 15-year Review of Digital Archives Program in Taiwan)

2.全體與會人員共同參與之專題演講

■ 專題演講一

主講人：中研院胡台麗教授

講題：數位影像檔案對原住民文化保存與復興的貢獻 (Ethnographic Films and Digital Video Archives Contributing to the Preservation and Revitalization of Indigenous Cultures)

■ 專題演講二

主講人：武漢大學李德仁教授

講題：虛擬實境及數位文化遺產 (Virtual Reality and Digital Cultural Heritage-From Mogao Caves to Chi Lin Nunnery)

■ 專題演講三

主講人：國立故宮博物院林國平處長

講題：從數位典藏到新媒體藝術 (From Digital Archive to New Media Art)

■ 專題演講四

主講人：美國加州大學中心 (UC Curation Center) 史蒂芬·亞伯漢斯 (Mr. Stephen Abrams) 先生。

講題：延伸數位研究：加州數位圖書館和加州大學中心的社區和合作

3.研討會

23 場次的研討會，分 4 個會場同時進行，每場次均有 3 至 4 位主講人就該主題提出報告：

- 場次一
合作：工具及基礎設施（Collaboration: Tools and Infrastructure）
- 場次二
數位學習（e-Learning）
- 場次三
虛擬遺產及數位資產管理（Virtual Heritage and Digital Asset Management）
- 場次四
參考資源的基礎設施及發展（Infrastructure and Development of Reference Resources）
- 場次五
時空：網絡（Spatio-Temporal: Networks）
- 場次六
人文計算工具（Tools for Humanities Computing）
- 場次七
ICT 和社區（ICT and Communities）
- 場次八
宗教地圖集：映射傳統（Religious Atlases: Mapping Traditions）
- 場次九
時空：文化和環境（Spatio-Temporal: Culture and Environment）
- 場次十
文化的地圖集：歷史和文化參與（Cultural Atlases: History and Cultural Participation）
- 場次十一
宗教地圖集：資源發展（Religious Atlases: Resource Development）。
- 場次十二
文化地圖集：資源發展（Cultural Atlases: Resource Development）
- 場次十三
智慧財產權：臺灣經驗（Intellectual Property: Taiwan Experience）
- 場次十四
從空間到地方 1（From Space to Place 1）

■ 場次十五

數位學術：方法和開放基礎設施 (Digital Scholarship: Methods and Open Infrastructure)

■ 場次十六

電子圖書館 (e-Library)

■ 場次十七

從空間到地方 2 (From Space to Place 2)

■ 場次十八

人文學的 知識基礎設施 (Knowledge Infrastructure for Humanities)

■ 場次十九

時空：基礎設施發展 (Spatio-Temporal: Infrastructure Development)

■ 場次二十

從空間到地方 3 (From Space to Place 3)

■ 場次二十一

文本分析和視覺化：佛教經典和超越 (Text Analysis and Visualization: Buddhist Texts and Beyond)

■ 場次二十二

時空：連結資源 (Spatio-Temporal: Connecting Resources)

■ 場次二十三

從空間到地方 4 (From Space to Place 4)

4.海報展

海報展分為兩個部分圖書館海報競賽及一般海報競賽：(註 5)

(1) 一般海報競賽 (Poster Demonstration)

A. 發表人：Chien CHOU (National Chiao Tung University, Taiwan),
Elaine Yi CHOU (Tainan University of Technology,
Taiwan), Yi-Ju WANG (National Chiao Tung University,
Taiwan)

海報主題：「開放式課程網頁」網站評估框架的建立 (The Establishment of a Framework for OpenCourseWare Website Evaluation)

B. 發表人：Yu-Lin CHI, Jinn-Guey LAY (National Taiwan University, Taiwan)

海報主題：臺灣 1999-2010 低初生體重率的空間聚類分析 (Spatial Clustering Analysis of Low Birth Weight Rates in Taiwan 1999-2010)

C. 發表人：Yi-Chun LIN (National Cheng Kung University, Taiwan),
Tsung-Chiang WU (National Quemoy University, Taiwan),
Min-Fu HSU (National Cheng Kung University, Taiwan)

海報主題：3D 數字資源長期保存的有形文化資產害遺產技術概述：臺灣客家歷史建築案例 (An Overview on 3D Digital Preservation of Tangible Cultural Assets and Heritage of Techniques: Using Hakka Historic Buildings in Taiwan as Examples)

(2) 圖書館海報競賽 (Librarian Poster Competition)

館員海報競賽的主題涵蓋數位圖書館、數位學習、數位出版、數位資源等方面的管理、館藏發展、技術、參考及對特定族群的服務。提供各國圖書館專業人員分享數位內容和技術的成功經驗，以促進館員發展。

館員海報競賽的評分標準：(註 6)

① 計畫的原創性和重要性 (30%)

該計畫對圖書館和資訊專業領域的創意、創新和重要性。

② 視覺效果 (30%)

設計、視覺影響，與計畫的相關性，以及能否呈現計畫主題。

③ 口頭解說 (40%)

寫作型態、思考邏輯、資訊組織技能及呈現技巧。

此項海報展覽競賽共有中國大陸、臺灣及澳洲等地圖書館、研究機構及學術機構人員的海報參加，展出單位及海報主題如下：

A. 發表人：Po-Huang CHIANG (National Yang-Ming University,

Taiwan) , Hui-Chen TSOU, Hsiao-Lei CHEN (National Health Research Institutes、National Health Research Institutes, Taiwan) , Wei-Yi CHIANG (National Health Research Institutes, Taiwan)

海報主題：GIS 在健康與醫學研究科學文獻計量分析的運用 (A Bibliometric Analysis of the Scientific Literature on GIS in Health and Medical Research)

B. 發表人：Po-Huang Chiang (National Health Research Institutes, Taiwan) , Lin-Yuan Huang (China Medical University, Taiwan) , Yen-Chen Chang (National Yang Ming University, Taiwan) , Hui-Chen Tsou (National Defense Medical Center) , Mark L. Wahiqvist (Monash University, Australia)

海報主題：國小學童 Obesogenic 環境和身體組成影響的測量：基於 GIS 的可步行措施研究 (Measuring the Obesogenic Environment for Elementary School Children and Impacts of Body Compositions: A GIS-based Walkability Measures Study)

C. 發表人：Xiao Yun, Chen Yu, Li Wen, Wang Runqiang, He Hongbo (Computer Network Information Center, Chinese Academy of Science, P. R. China)

海報主題：科學院運用 ICT 技術於科學推廣的實務 (Science Academy's Practices for Using ICT in Science Outreach)

D. 發表人：Shu-hsien TSENG, Hsiao-ming YU (National Central Library, Taiwan, R.O.C.)

海報主題：國家圖書館珍善本古籍數位保存：共享和協作 (A Decade of the Rare Books Digitization at the National Central Library: Sharing and Collaboration)

5. 參觀柏克萊大學東亞圖書館

大會安排與會人員於 12 月 7 日中午參觀柏克萊大學斯塔爾東亞圖書館 (C.V. Starr East Asian Library at UC Berkeley) , 該館是美國東亞語言資料館

藏蒐藏最完整的圖書館之一。館藏數量超過 90 萬冊，涵蓋中文、日文、韓文及其他東亞語系圖書資料。目前的館舍建築完成於 2007 年秋天，而逾 2008 年春天開放使用。

該館的使命是透過資訊服務支援人文科學、美術、社會科學和部分自然科學領域的專家學者教學和研究。另外，對於加州大學系統其他學校師生，以及世界各地的學者專家館際互借、文獻傳遞及資料庫檢索服務。(註 7)

6. 閉幕式及晚宴

閉幕式由中央研究院劉兆漢副院長主持，除頒發海報競賽得獎單位並由下屆主辦單位日本京都大學代表說明明年辦理方向；晚宴則於柏克萊大學教授俱樂部大廳舉辦。

四、參與會議情形

本次會議之各國參與人數，以美國學者專家居冠，計有 67 人，其次為台灣 43 人、日本 9 人；韓國及中國大陸各 4 人、德國及蒙古各 2 人、澳大利亞、香港、義大利、瑞典及泰國各 1 人。(見表 1)

今年會議主題以資訊、技術連結文化、社區、時間及空間為主軸，各領域學者專家的專題演講及報告都非常精彩，尤其是跨學科、跨組織、跨國界的合作研究，激盪出不少火花，也使得研究成果更能觀照不同面向。圖資界實應有更多的跨領域及跨國界的研究和合作，以提供更方便及更進步的服務。

表 1 參與會國別及人數

| 國別 | 人數 |
|------|----|
| 美國 | 67 |
| 台灣 | 43 |
| 日本 | 9 |
| 韓國 | 4 |
| 中國大陸 | 4 |
| 德國 | 2 |

| | |
|------|-----|
| 蒙古 | 2 |
| 澳大利亞 | 1 |
| 香港 | 1 |
| 義大利 | 1 |
| 瑞典 | 1 |
| 泰國 | 1 |
| 總計 | 136 |

本人於會議中提出專題報告，介紹台灣電子出版品法定送存及大眾使用介紹情形，並參加館員海報競賽；此外，利用此次機會，與柏克萊大學圖書館和史丹佛大學圖書館進行交流，討論雙方合作設立台灣漢學資源中心的可能性。另外，與美國國會圖書館亞洲部邵東方主任就雙方合作事宜及明年度國圖 80 館慶研討會美方與會人選交換意見。

(一) 提出專題報告

本人參與發表專題報告的場次為第十六場次，本場次的主持人為柏克萊大學東亞圖書館周欣平館長。發表人除了本人外，另有國立台灣大學圖書館陳雪華館長，報告題目為「中文名稱權威控制之合作」(The Collaboration of Chinese Name Authority Control)、史丹佛大學東亞圖書館邱頌館長「重新思考數位圖書館」(Rethinking Digital Libraries: Vision and Proactive of the Stanford University Libraries)及香港城市大學圖書館資深主管 Rita Wong 女士「從香港領土學到的課題：圖書館及博物館數位化調查」(Lessons Learned from 2012 Hong Kong Territory-wide Library and Museum Digitalization Survey)。

1. 報告題目

場次：第十六場主題為「電子圖書館」(e-library)

報告時間：12月9日上午11點至12點30分

報告題目：台灣電子出版品法定送存及大眾使用 (Legal Deposit and Public Use of Electronic Publications in Taiwan)

2. 報告摘要

近幾年，各國國家圖書館面對數位時代帶來的衝擊，以及大量

增加的電子出版品，不僅在數位出版資源管理及服務上有許多努力，也陸續就法定送存的機制及法規進行檢討，期能將各種類型出版品完整保存於國家典藏機構。國圖於 2011 年 9 月起透過「數位出版品平台系統」的建置與運作，建立我國數位出版品送存典藏機制。同時，為了讓送存單位順利完成數位出版品送存典藏，國圖特於 2011 年 10 月 14 日訂定「國家圖書館數位出版品送存要點」、2011 年 11 月 4 日訂定《國家圖書館電子書國際標準書號申請作業原則》，從電子書送存作業、電子書國際標準書號（ISBN）編訂作業、電子書出版認證、電子書雲端服務等部分，明訂數位出版品送存之作業流程與服務內容。在電子書送存作業中，送存者必須先申請帳號並設定權限，完成身分認證後，始可進行電子書送存作業，包含線上編訂送存電子書之基本資料、授權使用，以及電子書全文檔案線上或離線送存。

由於議程安排非常緊湊，四位主講人報告完畢後，並無時間讓與會者提出問題進行交流。陳雪華館長所報告的內容，主要為台大圖書館與國家圖書館合作進行中文名稱權威控制，是本人熟悉的範疇；而史丹佛大學東亞圖書館邱館長的報告，於隔日至該校進行參訪時，有進一步的討論。至於香港大學黃潘明珠 Rita Wong 女士和本人曾討論在該校設置台灣出版品寄存中心的可行性，有待進一步推動。

（二）參加海報展

本屆海報場次包括海報競賽與展示區 2 個部分。海報競賽又分為 2 類：圖書館海報競賽（Librarians Poster Competition）與一般海報競賽（General Poster Competition）。參加者必須做口頭報告與講解，優勝者將由評審委員評比後選出。評審委員由柏克萊大學東亞圖書館周欣平館長、史丹佛大學東亞圖書館邱頌館長及中央研究院計算中心王大為主任擔任。圖書館海報競賽：主題須跟以下領域主題之一相關：e-Libraries, e-Learning, e-Publishing, e-Resource。一般海報競賽：參與的海報主題必須與會議主題相關。

本館參與此屆年會之圖書館海報競賽，獲得入選。海報主題為「國家

圖書館珍善本古籍數位保存：分享與合作 (A Decade of the Rare Books Digital Archive Project at the National Central Library: Sharing and Collaboration)」，由本館特藏組製作海報，並由本人現場口頭說明。

海報內容簡介如下

為了完善保存珍善本古籍資料，國家圖書館積極進行古籍數位化工作，並參與國科會主辦的國家數位典藏計畫。另外，教育部也投入經費支持國圖進行古籍數位化和推廣工作。截至目前，國圖已完成 41,974 種善本書及 6,493 張拓片的掃描。總計 10 年來，完成 5,240,718 影幅善本書及 18,501 影幅拓片。

本海報主要針對過去 10 年來，國圖的珍善本數位化工作、國際合作數位化、國際數位內容分享，以及製作電子書、設置網站、與出版社合作出版，並利用行動裝置推廣的經驗，進行分享。

1. 國內外合作

- (1) 法鼓佛教學院 (2010-2012)
 - 完成 300 種佛經的數位化工作。
- (2) 美國猶他族譜協會 (Genealogical Society of Utah) (2005-2009)
 - 總計完成 794 捲微卷，共計 940,958 影幅。
- (3) 美國國會圖書館亞洲部 (Asian Division, Library of Congress) (2005-2012)
 - 8 年來合作總量為：2,357 種 (1,032,401 影幅)
- (4) 美國華盛頓大學圖書館東亞圖書館 (East Asian Division, University of Washington) (2010-2012)
 - 3 年計完成 382 種 (3,483 冊，236,424 影幅)
- (5) 加州柏克萊大學圖書館東亞圖書館 (East Asian Division, University of California at Berkeley) (2011-2013)
 - 截至 2012 年 12 月完成總量：294 種 (230,739 影幅)

2. 國際數位內容分享

- (1) 全球記憶往 Global Memory Net (since 2005)

由 Simons College 陳劉欽智教授主持，本館上傳 100 種古籍及 400 張日治時期明信片影像。
- (2) 世界數位圖書館 World Digital Library (since 2008)

本館於 2008 年 7 月加入此一由聯合國教科文組織及美國國會圖書館所共同推動的計畫，並提交 10 筆測試資料。

- 2009 年 4 月 WDL 正式成立。
- 2010 年 6 月本館提交 31 種古籍影像料及含要的 metadata。
- 2012 年 12 月底再提交約 60 種古籍影像。以阿中英法俄葡西七國語文呈現於該平台。

(3) 中文善本古籍聯合目錄 Union Catalog of Chinese Rare Books

2003 以國內 9 所古籍典藏單位開始，2004 年在海峽兩岸中文資源共建共享計畫立項，除兩岸四地外，更增加許多國際合作單位。至 2012 年 12 月計有 44 所合作單位，建立 624,800 筆中文古籍書目及部分影像連結。

3. 合作出版

(1) 小魯 / 天衛出版社

- 《臺灣番社風俗》(“Taiwan Aboriginal Villages”) 由美國國會圖書館及國圖聯合授權，由國圖與小魯出版社合作出版 (2011 年 2 月出版)

(2) 世界書局

- 《梅屋詩餘》(2012 年 6 月出版)、《神器譜》(Oct. 2012 出版)、《太古遺音》、《金石昆蟲草木狀》(Feb. 2013 出版)

(3) 大塊文化出版社 (國寶)

- 《註東坡先生詩》(2012 年 10 月出版)

(4) 臺灣商務出版社

- 《四庫全書初次進呈存目》不分卷 48 冊 (舊鈔本) (2012 年 11 月出版)

(5) 新文豐出版社

- 《張逸民南遊草》等 17 種未刊本文集 (尚未出版)

4. 電子書籍其他行動閱讀應用

(1) 國圖善本書線上展覽－電子書：http://rarebook.ncl.edu.tw/rbookod/exhibition/hypage.cgi?HYPAGE=ebook/ebook_list.htm

(2) 行動裝置運用：

- 國圖善本書線上展覽- 可利用 I-Pad 閱覽

- 《英傑歸真》可利用 HTC 手機閱覽
 - 《金石昆蟲草木狀》可利用 HTC 手機閱覽
- (3) 數位閱讀推廣區域。(註 8)

(三) 與柏克萊大學東亞圖書館討論合作事宜

自 2011 年開始，本國與美國柏克萊大學東亞圖書館合作進行古籍數位工作，該館中文古籍主要特色在於其宋元明版及清初版善本計約 800 種。其中劉承幹嘉業堂藏書可與本館特色嘉業堂藏書以數位化型式合璧，極為值得進行合作。2011 年 7 月與該館簽署合作協議，10 月即派員進駐開始古籍數位化作業。截至 2012 年 12 月底完成 294 種，230,739 影幅。

本項合作進行順利，趁開會之便，與本館派駐該館的 4 位人員餐敘，一來慰勞其辛勞，感謝其貢獻，並瞭解相關問題。另外，與該館周欣平館長就後續合作事宜，交換意見。

(四) 參訪史丹佛大學圖書館

1. 拜訪總館長

2 月 10 日上午，利用搭機前的時間，與同樣參加 PNC 會議的台灣大學圖書館陳雪華館長及師範大學圖書館陳昭珍館長，在我國教育部駐舊金山代表處文化組陳寶鈴組長陪同下，赴史丹佛大學圖書館拜訪總館長 Michael A. Keller 先生，就雙方最新的發展及未來可能的合作交換意見，獲得正面的回應。

2. 參訪東亞圖書館

東亞圖書館是史丹佛大學重要的亞洲研究館藏，藏書超過 680,000 冊，主要為各時期中文、日文和韓文方面的社會科學及人文科學圖書資料。除此之外，提供八十餘萬種線上圖書及期刊。(註 9) 本次參訪除瞭解該館藏書及服務外，並討論合作設立台灣漢學資源中心及辦理漢學講座的可能性，獲得該館積極正面的回應。

五、會議成果、心得與建議

(一) 會議成果

- 1.透過海報展示國家圖書館在重要文化資產珍善本古籍保存、數位化、景印出版、加值創意商品，以及建立網站和資料庫供人員及民眾研究和瀏覽利用的努力。
- 2.透過專題報告介紹國家圖書館推台灣數位出版品、加速電子書新書資訊的快速流通及電子書行銷、擴展數位館藏保存數位文化資產、推廣大眾數位閱讀、提供中文圖書資料出版情形的國際性電子化服務及雲端服務等方面的努力。
- 3.與香港城市大學數字圖書館特別項目顧問黃潘明珠女士討論在該校設置台灣出版品寄存事宜。
- 4.與中研院范老師討論國圖古籍館藏運用 GIS 進行全文檢索的可能性。
- 5.三天會議期間，把握機會與合作交流單位進行拜訪及討論，使出國效益達到最大化。
- 6.參訪史丹佛大學圖書館及東亞圖書館，了解與該圖書館合辦漢學講座、展覽，以及建置台灣漢學資源中心的可行性及可能性。
- 7.與參與會議的美國國會圖書館亞洲部邵東方主任商談兩館繼續合作古籍掃描及邀請該館高階主管到台灣參加國圖八十年館慶國際研討會事宜。
- 8.慰勞本館派駐在柏克萊大學東亞圖書館，進行中文古籍合作數位掃描的四位工作人員，並與周欣平館長就合作項目的擴展及設置台灣漢學資源中心交換意見。

(二) 心得

- 1.今年會議主題以資訊、技術連結文化、社區、時間及空間為主軸，各領域學者專家的專題演講及報告都非常精彩，尤其是跨學科、跨組織、跨國界的合作研究，激盪出不少火花，也使得研究成果更能觀照不同面向。
- 2.跨領域、跨國家、跨性質、跨學校合作進行研究，促進人類文明的進步，圖資界實應有更多的跨領域及跨國界的研究和合作，以提供更方便及更進步的服務。
- 3.從其他領域的報告，獲得許多概念，可以運用在圖資領域，例如古地圖、古籍影像的全文檢索。

- 4.此次會議在美國舉辦，尤其柏克萊及史丹佛大學是頂尖大學，有不少學者專家與會，讓每位專題報告者透過問題詢答，收穫更為豐富。
- 5.今年與會的專家學家，以美國的 67 位及台灣的 43 位為最多，其次為日本 9 位、大陸 9 位；其他國家皆僅有 1 或 2 位，為數不多。不過，美國的專家學者都極為優秀，因此，有相當多先進的研究或實務可供參考。
- 6.會議籌備工作、會議場地設施及交通、住宿、餐飲安排等，都相當理想。

(三) 建議事項

- 1.建議安排更多跨領域整合的討論議題，以吸引更多學者專家參與對話。
- 2.建議加強宣傳，以提高圖書館海報的參賽件數。
- 3.年會盡可能不要安排在 12 月，以免經費核銷過於急促。
- 4.部分報告單位及主題似乎每年差異不大，建議台灣參與發表成果的單位可以更多元。
- 5.明年在日本東京舉辦，建議可就日本及鄰近國家較進步的領域，進行研討主題的規劃，俾能順利邀請講者。
- 6.每年的規劃較為倉促，建議及早規劃會議主題及子題，盡早公告，以便學術機構及人員準備。

註釋

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- 註3 「太平洋鄰里協會簡介」<http://pnclink.org/ch/about/about-c-1.htm>，檢索日期：101年12月25日。
- 註4 太平洋鄰里協會（2012），PNC 2012 Annual Conference and Joint Meeting Consortium Program Book。PNC。
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國家圖書館
National Central Library
<http://www.ncl.edu.tw>

A Decade of the Rare Books Digital Archive Project at the National Central Library: Sharing and Collaboration

Dr. Shu-hsien Tseng, Director General
Hsiao-ming Yu, Director of Special Collection
National Central Library, Taipei, Taiwan, R.O.C.
Poster Session at the 2012 PNC International Conference at UC Berkeley



Collaboration on digitization - Domestic/International

Dharma Drum Buddhist College

- Digitization Conversion study of digital images to full-text of 300 Buddhismsutras collection in NCL

Genealogical Society of Utah

- Digitization project of genealogical records of Taiwan (2005-2009); digitized 794 rolls of microfilm, with the result of 940,958 images

Library of Congress (Asian Division)(2005-2012)

- Total rare books records digitized by the end of 2012 will be 2,357 titles; 1,032,401 images

University of Washington (East Asian Division)(2010-2013)

- Total rare books records digitized by the end of 2012 will be 382 titles; 236,424 images

University of California at Berkeley (East Asian Division)(2011-2013)

- Total rare books records digitized by the end of 2012 will be 294 titles; 230,739 images

Collaborative Publishing and Value-Added Innovation



Collaborative Publishing and Value-Added Innovation



International Digital Content Sharing

Global Memory Net (since 2005)

- 100 titles of Chinese rare books and 400 early post cards images

World Digital Library (since 2008)

- 91 titles of Chinese rare books images

Union Catalog of Chinese Rare Books

- 624,800 rare books bibliographic records from 44 participating member libraries

NCL Rare Books Digitization and Database



eBooks and mobile application

NCL Rare Book Online Exhibition - eBooks

Mobile applications, e.g.

- "NCL Rare Book Online Exhibition-eBook" on I-Pad
- 《英傑歸真》 on HTC cellphone
- 《金石昆蟲草木款》 on HTC Flyer

eReading Promotional Area





附錄二 會議照片



照片1、攝於會場（資訊學院）外



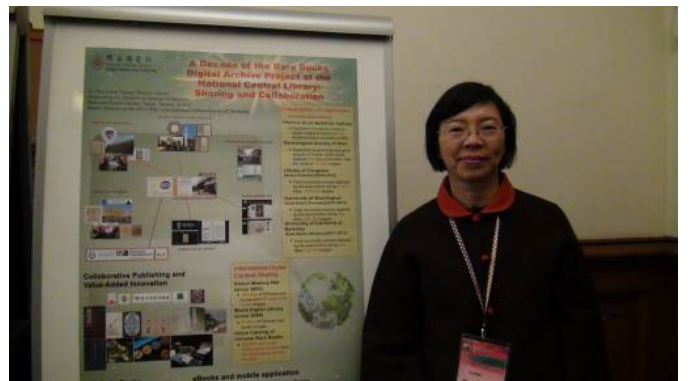
照片2、攝於會場（資訊學院）外



照片3、與臺灣、香港、美國與會者合影



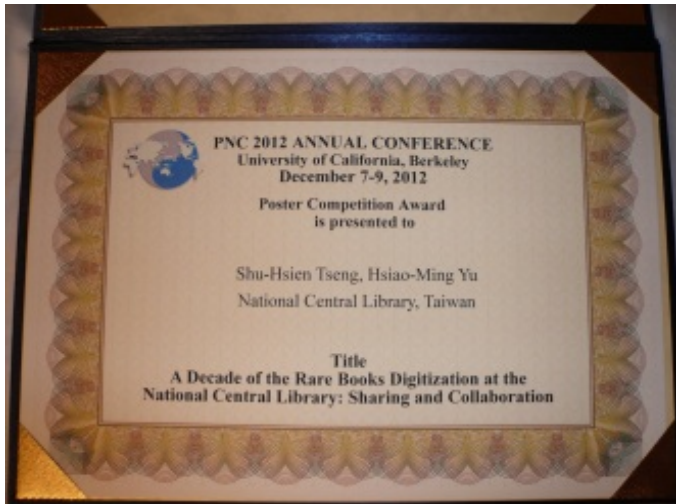
照片4、發表專題報告



照片5、攝於本館參加競賽海報前



照片6、中研院劉兆漢副院長頒贈獎狀



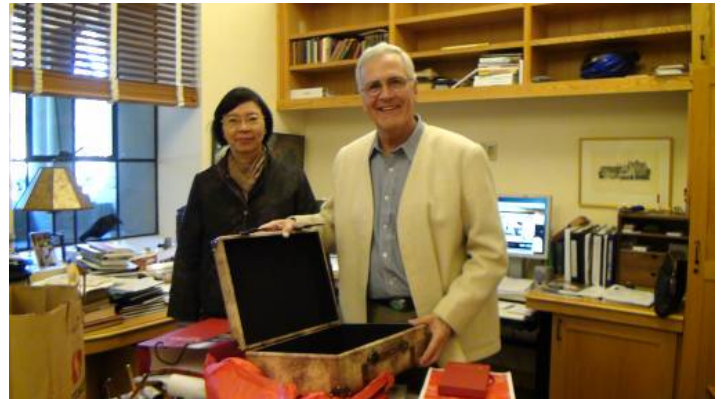
照片7、海報競賽獎狀



照片10、與舊金山辦事處文化組陳寶鈴組長、台大陳雪華館長、台師大陳昭珍館長參觀史丹佛大學東亞圖書館



照片8、與台大陳雪華館長、台師大陳昭珍館長攝於柏克萊大學校園



照片11、與史丹佛大學圖書館總館長合影



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附錄三 「台灣電子出版品法定送存及大眾使用 (Legal Deposit and Public Use of Electronic Publications in Taiwan)」簡報

Legal Deposit and Public Use of Electronic Publications in Taiwan

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Taiwan, ROC

1

Outline

- Introduction
- National Libraries with Legal Deposits for E-publications
- Deposit of Material and Application for ISBN in Taiwan
- Deposit of E-Books in Taiwan
- Use of EPS' Electronic Books
- Training and Promotional Activities
- Conclusion

2

1.Introduction

- Each country has laws and regulations that stipulate publishers, printers, or other concerned parties must follow certain procedures in depositing new books and other publications in a designated organization or library within a certain timeframe.
- In recent years, national libraries around the globe have begun facing the challenges brought about by the digital age and the rapid influx of e-publications.
- National libraries amend legislation to include e-publications in the laws and regulations for legal deposit. A suitable system must also be established to archive the e-publications and make them available for us

2.National Libraries with Legal Deposits for E-publications

International Survey on Electronic Legal Deposit

- ❖ In 2009, the British Library conducted a survey of national libraries, hoping to understand how various countries were handling the legal deposit of e-publications. The survey was sent to all members of the Conference of European National Librarians (CENL), as well as the national libraries of the G8 nations and several other countries.

From: Stephens, Andy. (2010) "British Library: International Survey on Electronic Legal Deposit," CDNL Annual Meeting, Gothenburg, 12 August 2010

5

International Survey on Electronic Legal Deposit

- ❖ In order to aid comparison with the UK, the questionnaire distinguished between different categories of material: off-line publications, free available online materials, commercial and protected online publications, and enquiry-driven structured data sets.
- ❖ For each category the questionnaire basically asked:
 - (1) whether or not e-legal deposit or equivalent legislation had already been enacted, or would be in place before 2010;
 - (2) whether the legislation had actually been implemented and put into effect;
 - (3) whether material is already being deposited under legislation;
 - (4) broadly what terms of access are applied.

From: Stephens, Andy. (2010) "British Library: International Survey on Electronic Legal Deposit," CDNL Annual Meeting, Gothenburg, 12 August 2010

6

Table 1 Legislation and Usage Rights for Electronic Legal Deposits in National Libraries

| National Library | Freely available online material | Commercial and protected online publications | Notes |
|-------------------------|---|---|---|
| Canada | Available remotely and without restriction in the library | Unrestricted within the library | No downloading/ electronic copying permitted |
| Denmark | Available remotely and without restriction in the library | Available remotely and without restriction in the library | But only for post-Masters graduated for scholarly and statistical research |
| Estonia | Available remotely and without restriction in the library | Unrestricted within the library | May need to impose restrictions for some commercial publications |
| Finland | Unrestricted within the library | Unrestricted within the library | |
| France | Unrestricted within the library | Unrestricted within the library | BUT reader passes only given to scholarly researchers(subject to interview) |

Table 1 Legislation and Usage Rights for Electronic Legal Deposits in National Libraries

| | | | |
|--------------------|---|---|---|
| Germany | Available remotely and without restriction in the library | Restricted to one concurrent user per item | |
| Iceland | Unrestricted within the library | Unrestricted within the library | Plans for making content available remotely within the near future |
| Latvia | Unrestricted within the library | Subject to restriction (of what kind was not specified) | |
| Lithuania | Available remotely and without restriction in the library | Unrestricted within the library | |
| New Zealand | Available remotely and without restriction in the library | Restricted to 3 concurrent users per item | |
| Norway | Not available for use | Not specified | Access embargoed because of personal data issues rather than legal deposit terms. The library is seeking a special license from the data commissioner |

International Survey on Electronic Legal Deposit

❖ Survey results

- ❖ In 26 of the 34(76%) responding countries, e-legal deposit legislation has already been passed and implemented, at the very least for offline publications. Two more expected it to be in place by 2010.
- ❖ Only six responding countries (18%) have not already passed and implemented. In such cases, national libraries are actively collecting material on a selective and/or voluntary basis.
- ❖ These exceptions are Australia, Cyprus, Malta, Holland, Switzerland, and the U.S.

From: Stephens, Andy. (2010) "British Library: International Survey on Electronic Legal Deposit," CDNL Annual Meeting, Gothenburg, 12 August 2010

9

International Survey on Electronic Legal Deposit

- ❖ National libraries in 12 countries(35% of respondents) are already entitled to collect e-book, e-journals and other commercial or protected online publications under the same legal deposit legislation.
- ❖ These libraries and the year they started were Norway (2001), Iceland (2003), Canada (2004), Denmark (2004), Estonia (2006), France (2006), Germany (2006), Latvia (2006), Lithuania (2006), New Zealand (2006), Slovenia (2006), and Finland (2007).

From: Stephens, Andy. (2010) "British Library: International Survey on Electronic Legal Deposit," CDNL Annual Meeting, Gothenburg, 12 August 2010

10

International Survey on Electronic Legal Deposit

- ❖ In response to the rapid growth of online publishing, 46% of the e-legal deposit laws implemented at the time of the survey(54% by 2010) also permit collection of freely available websites and commercial or protected online publications.
- ❖ National libraries are benefiting from e-legal deposit to avoid a digital black hole.

11

3. Deposit of Material and Application for ISBN in Taiwan



- Deposit of Books and Other Materials
- Application for ISBN

National Central Library

12

3-1. Deposit of Books and Other Materials

- ❖ In Taiwan, published books and periodicals are deposited and archived in the National Central Library. The legal basis for this is the Library Law for books and periodicals.

13

Theses and Dissertations

- ❖ National Central Library is also the legally designated depository for dissertations and theses as outlined in the Degree Conferral Law. As such it is responsible for collecting, archiving, and making available full-media copies of all dissertations and theses in Taiwan.
- ❖ To make theses and dissertations more accessible, in 1970 NCL began printing the *Catalog of Dissertations and Theses in Taiwan*. In 1998, it began using the National Dissertation and Thesis Abstract Search System and the Online National Dissertation and Thesis Abstract File System.
- ❖ In 2000, the National Dissertation and Thesis Site began offering full-text files for uploading and downloading. On June 10, 2010, the third generation of this system—National Digital Library of Theses and Dissertations in Taiwan—was formally launched.

14

National Digital Library of Theses and Dissertations in Taiwan

The screenshot shows the homepage of the National Digital Library of Theses and Dissertations in Taiwan (NDLTD). The header includes the logo and navigation links like 'Site Map', 'Home', and 'About Us'. Below the header, there are tabs for 'For The Public', 'For Researchers', and 'For Faculties & Students'. The main content area is divided into 'Basic Search' and 'Hot Rankings'. The 'Basic Search' section includes a search box, various search criteria (Title, Author, etc.), and search type options (Precision, Fuzzy, etc.). The 'Hot Rankings' section displays a table of top institutions and their total counts.

| No. | Institution Name | Total |
|-----|------------------|-------|
| 1 | 國立臺灣師範大學 | 26399 |
| 2 | 國立臺灣大學 | 20181 |
| 3 | 國立政治大學 | 18745 |
| 4 | 國立成功大學 | 18425 |
| 5 | 國立高雄師範大學 | 16897 |

At the bottom right of the page, the number '15' is displayed.

Taiwan Periodical Literature System

The screenshot shows the search interface of the Taiwan Periodical Literature System. The header includes the National Central Library logo and navigation links. The main content area features a search bar and several search options: 'Basic Search', 'Advanced Search', 'Nature Language Search', and 'Command Search'. Below the search bar, there are various search criteria and filters, including 'Find', 'Search Field', 'Material Type', 'Document Type', 'Language', 'Search Mode', 'Search Result', and 'Display Result'. The 'Display Result' section shows '20 per page'. At the bottom right, there are 'Search' and 'Clear' buttons. At the bottom of the page, the number '16' is displayed.

(1) Deposit of Books and Other Materials

Table 2 Print Legal Deposit Volumes

| Year Material types | 2012 (Jan. - Oct.) | 2011 | 2010 | 2009 | 2008 |
|--------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Monographs | 39,692 | 51,345 | 52,533 | 50,770 | 53,284 |
| Government Publications | 12,913 | 1,8016 | 17,870 | 16,713 | 16,683 |
| Periodicals | 5,546 title 30,116 issues | 5,480 title 39,512 issues | 5,471 title 35,943 issues | 5,355 title 37,135 issues | 5,291 title 36,661 issues |
| Proceedings | 1,027 | 1,214 | 1,122 | 1,043 | 1,062 |
| Thesis and Dissertations | 45,351 | 61,234 | 53,430 | 53,911 | 48,695 |
| AV materials | 3,182 | 12,970 | 11,551 | 16,644 | 15,093 |

17

(2) Application for ISBN

- ❖ On July 1, 1989, NCL began processing applications for ISBNs. Later, the national government requested a task force be formed to set up an ISBN center in NCL. In February 1996, the center was formally established to handle assigning ISBN to all new publications, ISRC management, and CIP assignment. NCL created a national cultural asset bibliographic record based on ISBN applications. This has brought greater standardization to publications in Taiwan, placing it on par with international standards and increasing the speed of new publication information availability.

18

(2) Application for ISBN

- ❖ From 2001-2011 an average of 40,600 books were published each year in Taiwan.
- ❖ During 2005, 41,686 books were published, 43,254 in 2010. In 2011, a total of 4,969 publishers applied for ISBNs, accounting for 42,559 books. In all, 46,603 ISBNs were assigned.
- ❖ The number of publications applying for CIPs was 27,394 spread out over 3,635 publishers.
- ❖ Print publications had not been affected by e-publications. (National Central Library, 2011)

19

Table 3 ISBN/CIP/ISRC Applications by Year (Jul 1989-Dec 2011)

| Year | ISBNs | Books | Publisher s Applying for ISBNs | CIPs | Publishers Applying for CIPs** | ISRCs | E- publications (ISBN) |
|------|--------|--------|---|--------|--------------------------------------|-------|------------------------------|
| 1990 | 17,880 | 15,531 | 429 | 1,619 | 123 | | |
| 1995 | 30,880 | 26,130 | 1,839 | 14,014 | 1,601 | | |
| 2000 | 38,579 | 34,199 | 3,011 | 20,138 | 2,129 | 3,445 | |
| 2005 | 46,662 | 41,686 | 4,088 | 26,162 | 3,073 | 5,605 | |
| 2010 | 46,573 | 43,254 | 4,784 | 26,061 | 3,634 | 7,671 | |
| 2011 | 46,603 | 42,599 | 4,969 | 27,394 | 3,635 | 7,050 | 9,618 |
| 2012 | 32,964 | 29,719 | | 19,026 | | | |

*Data from July to December 1989 only. **Figures on publishers applying for CIPs before 1997 were aggregate figures

4. Deposit of E-books in Taiwan



4. Deposit of E-books in Taiwan

- ❖ In recent years, NCL has faced many challenges with the advent of the digital age and has expended much effort in e-publication resource management and services.
- ❖ In August 23, 2011, NCL created the E-publication Platform System as a way to handle legal deposits of e-publications in Taiwan.

4-1. Deposit of E-books in Taiwan

❖ **October 14, 2011**

Basic Procedures for E-publication Deposits

◆ **November 4, 2011**

Operating Principles for E-book ISBN Applications

EPS Development Objectives

- ❖ Promote e-publications in Taiwan, including ISBNs and international accessibility.
- ❖ Increase speed of new publication information and effectiveness of e-book marketing.
- ❖ Expand NCL's collection and preserve digital cultural assets.
- ❖ Promote e-reading to the public to improve Taiwan's competitive edge.
- ❖ Provide world-class e-services for Chinese material internationally.
- ❖ Provide nationwide cloud computing services for e-publications.

EPS Services

EPS provides the following functions and services:

- ❖ **E-book Deposit:** Publishers can deposit e-books.
- ❖ **Search Services:** Both simple and advanced search capabilities are available. Items can be searched based on title, author, subject, and publisher.
- ❖ **Browsing Capabilities:** New publication information and individual chapters of new books can be viewed.
- ❖ **Reading Services:** the public can read e-books online a personal computer or laptop, via various offline reading devices.
- ❖ **Recommendations for books :** Provides recommendations for books in each subject and genre.
- ❖ **Member Services:** User-specific and search services.
- ❖ **Rankings:** Users can borrow, reserve, read, quote, give reviews, and rate popular books.
- ❖ **Announcements:** Reports on new activities as available.

4.1 ISBN Applications for E-books

4.1.1. Intended applicants

- (1) E-books published in Taiwan by commercial, government, private, or individual publishers.
- (2) Applicants must be listed as the publisher on the e-book to apply.

4.1.2. Types of e-books suitable for application

- (1) Single volume books in digital format
- (2) E-books published on a physical medium (such as CD or USB)
- (3) E-books that can be accessed on a browser or through a software program

4.1.3. Application rules

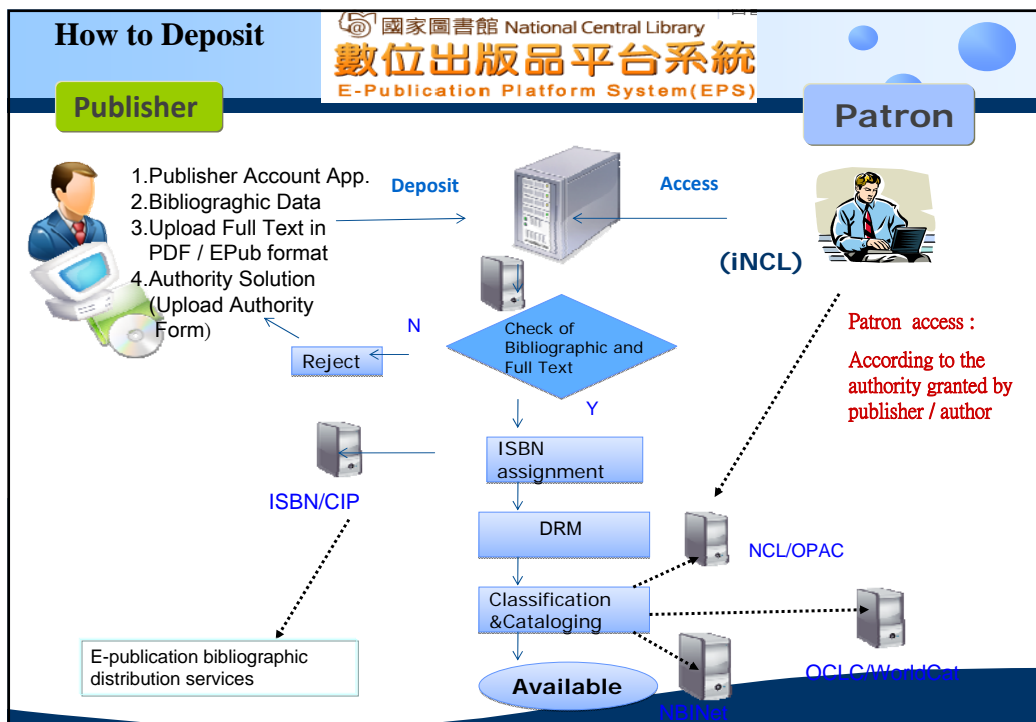
- (1) Different versions and or languages of an e-book must have their own ISBN
- (2) Different formats of an e-book (such as EPUB, FLASH, Adobe PDF, or Zinio PDF), if published separately, must have their own ISBN
- (3) If the content of an e-book is up-dated, revised, or added to in a sufficient manner as to be viewed as a new version, it must have a new ISBN
- (4) The same file format of an e-book does not count as a different version, even if there is a difference in the device used to access it, in system formatting, character code, output media, or display format.

4.2 Automatic Deposit of E-books

4.2.1. Types of Deposits

- (1) The legal deposit of e-books at NCL is directed toward publications that are digital in nature and which are published through physical means, on the internet, or other means.
- (2) E-book deposits are limited to publishers who produce items for public consumption, including items that have ISBNs or that fall within the scope of NCL's archival policies.
- (3) The following are not included in the scope of legal deposit:
 - A. Documents on the internet, personal documents, e-bulletin boards, emails, digital advertisements or promotional materials, and other communiqués.
 - B. Software, search engines, and computer games.
 - C. Publications that undergo frequent revisions, such as online databases.
 - D. Items that do not fall within the scope of NCL's archival policies or that cannot be processed by current IT capabilities.

27



4.2 Automatic Deposit of E-books

4.2.2. How to Deposit

- (1) The deposit of e-books that are on physical formats can be done in person, via postal mail, or on the E-publication Platform System.
- (2) E-books deposited by publishers should contain the complete content and cannot be encrypted in order to facilitate reading. Also there cannot be any reading limits or other restrictions.
- (3) Should it be found in the verification process that a publisher has deposited an e-book that does not conform to stated policy, a new deposit must be made in the designated time period.

29

4.2 Automatic Deposit of E-books

4.2.3. Verifying and Encrypting E-books

After receiving an ISBN and depositing the full-text of the e-book, National Central Library will verify bibliographic information and content of the book. After an e-book has been verified, it will be converted to PDF or EPUB and encrypted.

4.2.4 Assigning ISBNs to E-books

The next step involves assigning an ISBN to each e-book. This is done automatically by the E-publication Platform System.

30

4.2 Automatic Deposit of E-books

4.2.5 Cataloging of E-books

- ❖ After an ISBN is assigned, the E-publication Platform System and National Central Library's automated Aleph system handle cataloging and reviewing the full text. Bibliographic information is then sent back to the E-publication Platform System and PDF document containing a bibliographic information page and publication information page is automatically generated. The publisher can download this file and reference the information on it (such as the e-book's ISBN, subject category, etc.) and embed them in the full-text file for identification purposes.

4.2.6 Authorizing the E-book Use

- ❖ Publishers can set access limits to the e-books they deposit. These include library use only, use outside of library, number of concurrent users, and restrictions on printing and on circulation. This determines availability of the e-book to patrons.

4.2 Automatic Deposit of E-books

4.2.7 Shelving the E-books

- ❖ At this point, bibliographic information is uploaded to the E-publication Platform System, ISBNnet, Subject on Demand (SOD), the library catalog, the National Bibliographic Information Network, and WorldCat. It will also appear on Google Search. In addition, the E-publication Platform System allows users to search its catalog and the full-text of the e-books, browse e-books, and see lists of popular e-books. Besides providing basic catalog information about each e-book, other important information is shown, including the book cover, introduction, author's introduction, cited material, number of views, bibliographic information, the publisher's information, and information on authorized use.

4.2.8. Reading Services for E-books

- ❖ There are several ways to read e-books—online on a personal computer or laptop, via various offline reading devices, such as a personal computer, laptop, and mobile device (iPad or other tablet). NCL has developed an e-reader program for EPS called NCL Reader. It is available for PCs and iPads. Users can access e-books online or offline on EPS with an iNCL account.

Procedure of Publisher Account Application

國家圖書館 National Central Library
數位出版品平台系統
E-Publication Platform System(EPS)

回首頁 常見問題 意見信箱 行動版 設成首頁

step 1

查詢服務 / 電子書瀏覽 / 會員服務 / 新手上路 / 電子書ISBN申辦/送存

出版商送存帳號：
請輸入帳號
step 2
送存會員申請 忘記帳號/密碼
登入
電子書送存

訊息公告

- 國家圖書館數位出版品平台系統 出版社(單位)滿意度問卷調查 2012/0
- 11/24電子書ISBN申辦及送存服務教育訓練教材 2011/1
- 國家圖書館電子書國際標準書號申請作業原則公告 2011/1

電子書送存作業

國家圖書館 National Central Library

Step by step :
Follow the instruction
to complete ID
application

國家圖書館 National Central Library
數位出版品平台系統
E-Publication Platform System(EPS)

意見信箱 行動版 設成首頁

查詢服務 / 電子書瀏覽 / 會員服務 / 新手上路 / 電子書ISBN申辦/送存

送存會員申請

Step1 出版者資料查詢
Step2 填寫會員資料
Step3 上傳相關證明文件
Step4 確定申請
Step5 完成申請

Publisher Search Publisher Details Related Documents Upload Information Confirm Application Complete

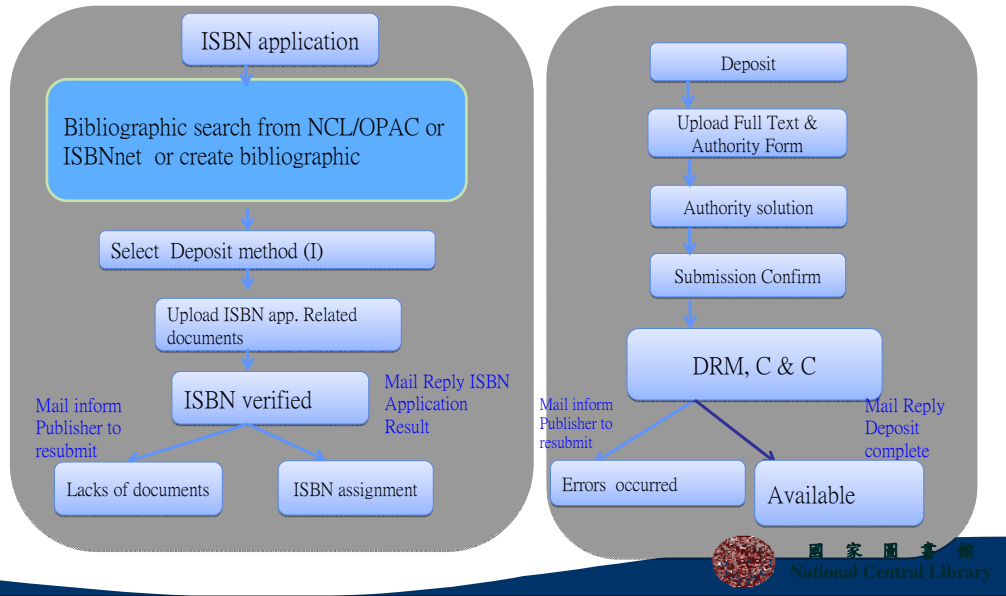
出版者資料擷取服務

出版單位名稱 查詢

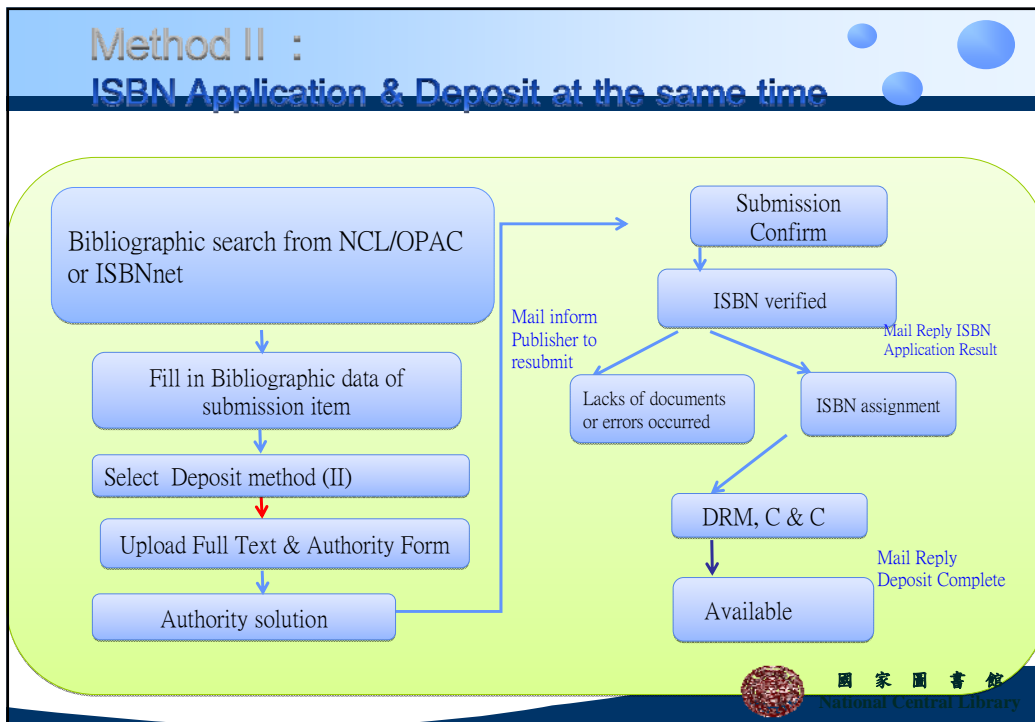
*若出版單位已提供本館館藏目錄系統出版單位資料，可輸入出版單位名稱，本系統將自動至館藏目錄擷取出該單位資料

國家圖書館 National Central Library

Method I : ISBN Application prior to Deposit



Method II : ISBN Application & Deposit at the same time



E-publication Platform System allows publishers to enter bibliographic information on publication

The screenshot displays the 'Step by step' guide for entering bibliographic information in the EPS system. The interface includes a navigation menu with options like '查詢服務', '電子書瀏覽', '會員服務', '新手上路', and '電子書送存'. A progress bar shows four steps: Step 1 (編修書目基本資料), Step 2 (上傳預覽內頁), Step 3 (選擇授權模式), and Step 4 (編修完成). The main content area is titled '編修書目基本資料' and contains a form for entering book details.

編修書目基本資料

紙本ISBN:

編輯書目查詢: *請於本電子書已有出版實體書, 可輸入紙本ISBN, 編輯書目資料

書目資訊

* 題名: 我是送存電子書

副題名:

並列題名:

角號名:

角號號:

* 語言:

* 作者類別:

* 作者: 詹小蘭 註為個人作者請將姓氏與名字用減號分隔, 例如 王小明

作者簡介:

譯者或其他合著者類別:

譯者或其他合著者:

註為個人作者請將姓氏與名字用減號分隔, 例如 王小明

37

Full-text of e-books can be uploaded online or send in on CD.

The screenshot displays the '電子書全文管理' (E-book Full-text Management) interface. It shows a list of e-books with columns for '項次', '系統', '題名', '作者', '上傳日期', '全文送存方式', '處理進度', '送存狀態', and '管理'. Two e-books are listed in the table.

電子書全文管理

共 2 筆資料, 每頁顯示 15 筆, 目前在第 1 頁

光碟寄送作業

| 全選 | 項次 | 系統 | 題名 | 作者 | 上傳日期 | 全文送存方式 | 處理進度 | 送存狀態 | 管理 |
|--------------------------|----|-----|---------------------|-----|------------|----------|-----------|------|------|
| <input type="checkbox"/> | 1 | 934 | 我是送存電子書 | 詹小蘭 | 2010/11/12 | 未上傳電子書全文 | 未送存 | 上庫全文 | |
| <input type="checkbox"/> | 2 | 933 | 當玉子愛上女巫 test0000 | 蘇友貞 | 2010/11/12 | 線上上傳 | 完成電子書全文上傳 | 未送存 | 上庫全文 |

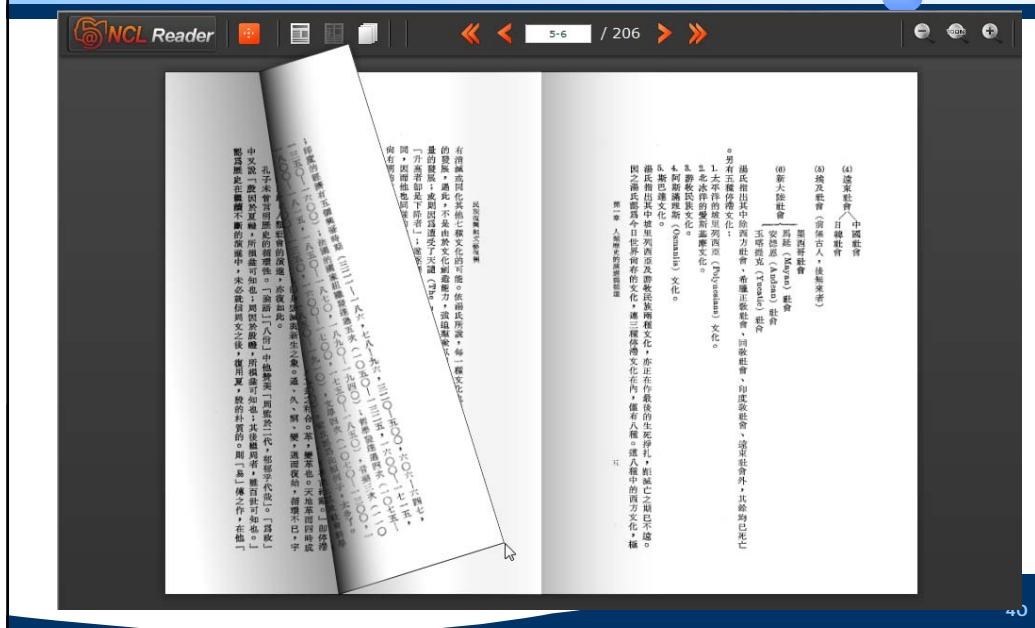
本館地址: 10001臺北市中山南路20號 總機: (02)23619132
國家圖書館著作權聲明 Copyright © 2010 All rights reserved. 更新日期: 2010-10-10

38

The site allows users to browse the full-text of e-books



No software needs to be downloaded or installed. All e-books can be viewed in the web browser

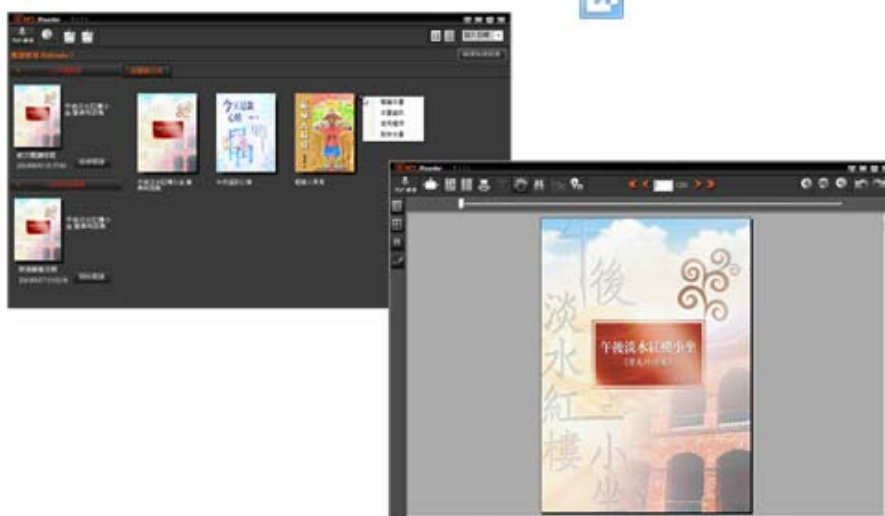


Various formats for e-books—online reading



41

Various formats for e-books—offline reading



42



5. Use of EPS' Electronic Books

5.1 Statistics on E-publications

- ❖ On August 23, 2011, NCL began processing ISBNs and receiving deposits of e-publications. As of September 30, 2012, a total of 357 publishers and individuals applied for ISBNs (after signing up for an account on EPS). Of these, commercial publishers numbered 236, government publishers 30, individual publishers 47, schools 18, institutes and association 11, online e-book retailers 10, and 5 others that do not fit in any of the aforementioned categories.

5.1 Statistics on E-publications

Table 4 Types of Publishers Applying for ISBNs (as of Sept. 30 2012)

| Types of Publishers | Number |
|--------------------------|--------|
| Publishers | 236 |
| Individuals | 47 |
| Government Institutions | 30 |
| Schools at all levels | 18 |
| Institutes, associations | 11 |
| Online E-book Retailers | 10 |
| Others | 5 |
| Total | 357 |

From: National Central Library's ISBN Center, Oct. 20, 2012.

45

5.1 Statistics on E-publications

- ❖ A total of 10,591 e-publications applied for an ISBN. Of these, the vast majority (9,760) were PDF files, followed by 552 in EPUB format. The remaining 229 titles were of various formats, including 55 folio files, 73 mebook file, 70 Koobe, 31 Flash/SWF.

46

Table 5 File Types of E-publications Applying for ISBN

| File Type | Number of Titles |
|-----------------------|------------------|
| Pdf | 9,760 |
| EPUB | 552 |
| Mobile devices | 50 |
| Opz | 42 |
| Ibook | 8 |
| Other | 229 |
| Mebook | 73 |
| Koobe | 70 |
| Folio | 55 |
| Flash/SWF | 31 |
| Total | 10,591 |

From: Acquisition Department of National Central Library, Oct 20, 2012.

47

5.1 Statistics on E- publications

- ❖ A total of 14,335 e-books were deposited. E-books deposited in National Central Library have mostly been deposited online. A very small number are deposited by mailing a CD to the library, and almost none have been hand delivered. In terms of authorization of use, 7,504 e-books have been limited to in-library access only(6,992 allow one intranet use, 153 allow two intranet use, 86 allow three intranet use and 2,985 allow single computer use only within the library), 3,846 allow online access(3,559 allow access by one online user, 139 allow access to two concurrent online users, 348 allow access to three concurrent online users and 97 allow no limit online use).

48

Table 6 The legal deposit and licensing conditions of e-books in Taiwan

| License category | Licensing conditions | Number of licenses | Subtotal |
|---|---|--------------------|----------|
| Single computer use only within the library | | 2,985 | 2,985 |
| Restricted within the the library intranet | Without restriction in the library | 273 | 7504 |
| | Restricted to one concurrent user per item | 6,992 | |
| | Restricted to two concurrent users per item | 153 | |
| | Restricted to three or more concurrent users per item | 86 | |
| Allow online access | Restricted to one concurrent user per item | 3,559 | 3,846 |
| | Restricted to two concurrent users per item | 139 | |
| | Restricted to three or more concurrent users per item | 348 | |
| Total | | 14,335 | 14,335 |

49

Table 7 Statistics of Educational Background of Readers Using NCL EPS E-books

| Education | Online Reader | Download Reader | Sub-total |
|--------------------|---------------|-----------------|-----------|
| College | 2,063 | 2,160 | 4,223 |
| Graduate School | 805 | 1,468 | 2,273 |
| High School | 3 | 250 | 253 |
| Elementary School | 24 | 68 | 92 |
| Junior High School | 0 | 11 | 11 |
| Other | 22 | 120 | 142 |
| Total | 2,917 | 4,073 | 6,994 |

Source: Provided by NCL Readers Service Division, October 19, 2012

50

Table 8 Statistics of Occupation of Readers Using NCL EPS E-books

| Occupation | Online Readers | Download Readers | Sub-total |
|------------------------|----------------|------------------|--------------|
| Student | 735 | 827 | 1,562 |
| Government Employee | 925 | 613 | 1,538 |
| Education and Research | 191 | 644 | 835 |
| Service Business | 45 | 332 | 377 |
| Business | 21 | 309 | 330 |
| Industries | 1 | 261 | 262 |
| Self-employee | 43 | 200 | 243 |
| Husbandries | 69 | 53 | 122 |
| Housekeeping | 21 | 97 | 118 |
| Health Provider | 1 | 65 | 66 |
| Military and Police | 5 | 22 | 27 |
| Other | 860 | 654 | 1,514 |
| Total | 2,917 | 4,077 | 6,994 |

Source: Provided by NCL Acquisition Division, October 19, 2012

51

Table 9 Statistics of Nationalities of Readers Using NCL EPS E-books

| Nationality | Online Readers | Download Readers | Sub-total |
|---------------|----------------|------------------|--------------|
| Rep. of China | 2,899 | 3,919 | 6,818 |
| Foreigner | 18 | 158 | 176 |
| Total | 2,917 | 4,077 | 6,994 |

Source: Provided by NCL Readers Service Division, October 19, 2012

52

Table 10 Statistics of Sex of Readers Using NCL EPS E-books

| Sex | Online Reader | Download Reader | Sub-total |
|--------|---------------|-----------------|-----------|
| Female | 2,108 | 2,036 | 4,144 |
| Male | 809 | 2,041 | 2,850 |
| Total | 2,917 | 4,077 | 6,994 |

Source: Provided by NCL Readers Service Division, October 19, 2012

6. Training and Promotional Activities



6. Training and Promotional Activities

1. Working with Government Organizations

- 1.1. Working with the National Academy of Civil Service to Promote E-publications
- 1.2. Working with the Research, Development and Evaluation Commission to Promote Deposit of Government Publications
- 1.3 Working with the Government Information Office to Promote Deposits of E-publications at National Central Library

2. Seeking Support and Assistance from E-publishing Alliances and Associations

3. Promotions during Book Exhibitions and Conferences

55

6. Training and Promotional Activities

4. Campaigns and Educational Training

4.1. Information meetings

Several instances of "National Central Library's Legal Deposit of E-publications and ISBN Services Information Meeting" have been held for publishers of digital content, traditional publishers, individuals, libraries, digital archive institutions, government institutions, scholars and students, and the general public.

4.2. Educational training

Circuit training courses on applying for e-book ISBNs and deposit services have been held for various types of publishing companies.

7. Conclusion

57

7. Conclusion

- ❖ the 2011 American Library Association (ALA) Presidential Citation for Innovative International Library Project.
- ❖ The 2012 Taiwan Information Month Outstanding 3C Applications Products Award.



58

7. Conclusion

However, there are still several issues that need to be resolved concerning deposit regulations, and system capabilities and operations. These include:

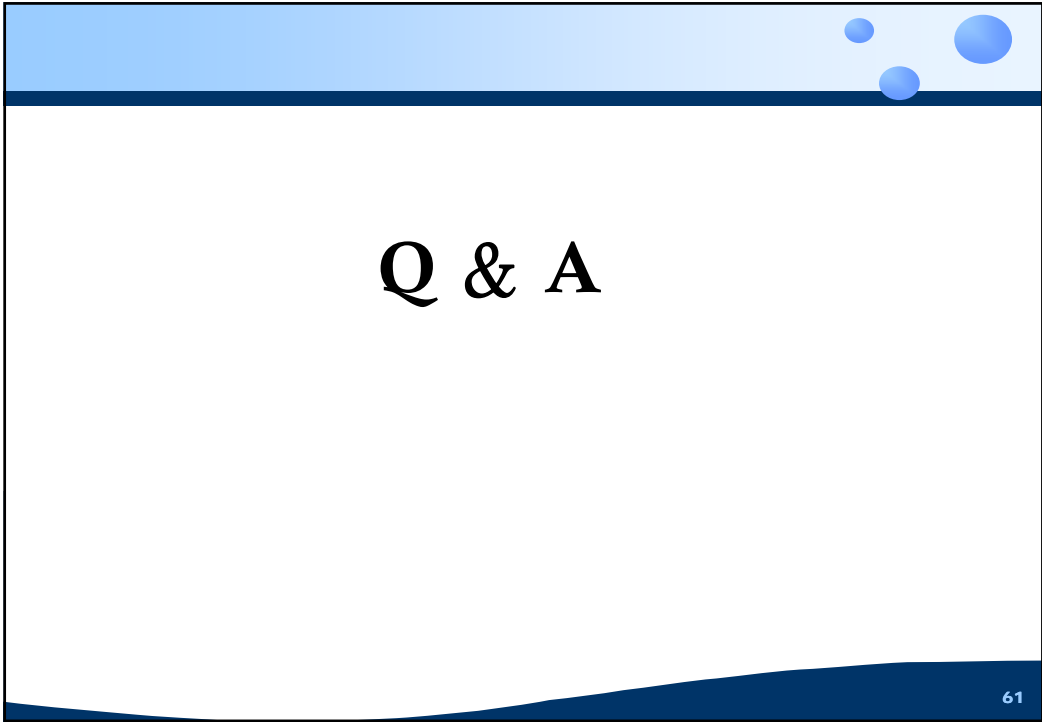
1. Any format of e-books that have not been encrypted can be uploaded to EPS and archived; however, only e-books in PDF and EPUB formats can be made available to readers. Currently there is an overabundance of formats for e-books, making it difficult for publishers who prefer a format other than PDF or EPUB to deposit their e-books.
2. A portion of e-books deposited can only be read on specific devices, such as iPhone, iPad, APP, etc. This has created serious limitations in archiving, storing, managing, and making the e-books available to users. It has also severely affects workflow. Because of this, NCL is considering changing deposit regulations so that publishers can only deposit files that are independent of specific devices.

59

7. Conclusion

3. ISBNs for e-books are handled on EPS; however, ISBNs for print publications are applied for on ISBNnet. NCL is currently researching a way to bring these two processes together, which will result in a synthesized approach and make it easier to quantify and search different types of publications in Taiwan.
4. Currently NCL is handling the deposits of e-books based on Article 15 of the Library Law, which states "National Central Library is the designated depository for published books and periodicals." Although there are penalties outlined in Article 18 of the same law for failing to deposit publications, these have not been enforced for e-publications. Instead, NCL's approach has been one of encouraging voluntary deposit. NCL must continue to communicate and educate publishers that have doubts or are unwilling to deposit their publications, or even consider enforcing the penalties so as to ensure a complete collection of e-books published in Taiwan.

60



Q & A



Thank you for listening!
Your comments and questions are much appreciated.