<table>
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<th>Title</th>
<th>Building a collaborative and shared library repository in Hong Kong</th>
</tr>
</thead>
<tbody>
<tr>
<td>Author(s)</td>
<td>Sidorko, PE</td>
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<tr>
<td>Citation</td>
<td>The 2014 PNC Annual Conference and Joint Meetings, National Palace Museum, Taipei, Taiwan, 21-23 October, 2014.</td>
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<td>2014</td>
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<tr>
<td>Rights</td>
<td>This work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License.</td>
</tr>
</tbody>
</table>
Building a Collaborative and Shared Library Repository in Hong Kong

Peter E Sidorko
The University of Hong Kong
About HKU

- Evolved from the Hong Kong College of Medicine, founded in 1887
- Founded 1911, HK’s first
- Multidisciplinary/comprehensive - undergraduate & postgraduate
- 26,000 students (Government & self funded)
- 111,000 students (Continuing education school)
The Library was established in 1912
Main Library & 6 Branch Libraries

– **Main Library** (est. 1912) comprises a rich collection of materials in the arts, humanities, architecture, social sciences, science and technology; holds two rare book collections and a unique collection of Hong Kong materials.

– **Fung Ping Shan Library** (est. 1932) houses a 1 million volume collection in oriental languages, mainly Chinese.

– **Yu Chun Keung Medical Library** (est. 1965 and formerly the Lee Hysan Medical Library) houses a collections for clinical medicine, biomedical sciences, public health, nursing, and Chinese medicine.

– **Lui Che Woo Law Library** (est. 1969) has strong collections of legal materials from Hong Kong, the UK, and major Commonwealth jurisdictions.

– **Education Library** (est. 1978) provides materials in support of teaching including school textbooks, teacher manuals, teaching aids, Hong Kong examination papers, and audio-visual materials.

– **Dental Library** (est. 1981) supports the fields of dentistry, biomedicine and speech and hearing sciences.

– **Music Library** (est. 1981) has a collection of books, scores, journals and AV items.
Additionally

• Off-campus medium density storage, and Preservation & Conservation Division

• Off-campus Technical Services Division
# HKU Print Collections

<table>
<thead>
<tr>
<th>Total Volumes</th>
<th>2,960,414</th>
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<tbody>
<tr>
<td>Current Print Journals</td>
<td>9,071</td>
</tr>
<tr>
<td>Cancelled Print Journals</td>
<td>42,044</td>
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# HKU Digital Collections

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
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<tbody>
<tr>
<td>E-books</td>
<td>3,502,923</td>
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<tr>
<td>E-journals</td>
<td>42,176</td>
</tr>
<tr>
<td>E-databases</td>
<td>691</td>
</tr>
</tbody>
</table>

Trends in Academic Libraries
Collection Trends

- Digital domination
- Mass digitization
- “Just in time vs just in case”
- Patron driven acquisition (PDA)
- Licensed not owned
- Consortial purchasing especially e-resources
- Open access
Library Space Trends

• Reduction of on-site print collections
• Remote & collaborative collection storage
• Off-site back room processes such as acquisitions, cataloguing etc
• Re-engineering physical space for
  – Integrated use of print and digital resources
  – Collaborative learning based on curriculum needs
  – Cultural events, special events, exhibitions etc
• Varied, flexible spaces needed that support curriculum demands
Library Service Trends

• Visible and proactive – outside library walls
• Technology assisted
• Self directed learning and service provision
• e-learning
The HKU Situation
Use of Print Materials: HKU

- 2006: 1,901,892
- 2007: 1,901,357
- 2008: 1,537,107
- 2009: 1,609,952
- 2010: 1,547,605
- 2011: 1,393,755
- 2012: 1,252,368
- 2013: 966,470
- 2014: 800,569
Volumes Added : HKU

<table>
<thead>
<tr>
<th>Year</th>
<th>Volumes Added</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>120,288</td>
</tr>
<tr>
<td>2003</td>
<td>107,900</td>
</tr>
<tr>
<td>2004</td>
<td>110,708</td>
</tr>
<tr>
<td>2005</td>
<td>98,084</td>
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<tr>
<td>2006</td>
<td>100,160</td>
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<tr>
<td>2007</td>
<td>96,375</td>
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<td>2008</td>
<td>87,604</td>
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<td>2009</td>
<td>92,337</td>
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<tr>
<td>2010</td>
<td>96,590</td>
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<td>2011</td>
<td>76,552</td>
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<tr>
<td>2012</td>
<td>74,141</td>
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<tr>
<td>2013</td>
<td>53,800</td>
</tr>
<tr>
<td>2014</td>
<td>50,445</td>
</tr>
</tbody>
</table>
Main Library – Level 3

From this
To this
Hong Kong Higher Education and its Libraries
• 8 government funded institutes of higher learning (UGC)
• 3 ranked in the top 50 in the world – HKU (28); HKUST (40); CUHK (46) - (QS Rankings, 2014)
• 69,000 UGC funded students (2011/12) – 14% non-local
• Four year curriculum commenced September 2012 double cohort 3 year and 4 year programs in parallel
• Total students now 86,000
• Desire for “deep collaboration” among the eight
UGC Funded Student Headcount 2011-2013

CUHK | CityU | HKBU | HKIED | PolyU | HKUST | LU | HKU
---|---|---|---|---|---|---|---
2011/12
CUHK | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
CityU | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
HKBU | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
HKIED | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
PolyU | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
HKUST | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
LU | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
HKU | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000

2012/13
CUHK | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
CityU | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
HKBU | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
HKIED | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
PolyU | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
HKUST | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
LU | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
HKU | 14,000 | 12,000 | 8,000 | 9,000 | 10,000 | 11,000 | 13,000 | 15,000 | 16,000 | 17,000 | 18,000 | 19,000 | 20,000
Welcome to JULAC

The Joint University Librarians Advisory Committee (JULAC) is a committee of the University of Hong Kong (HKU). It is a forum for information resources and services among the five university libraries in Hong Kong. JULAC promotes the exchange of ideas and information among its members and their respective institutions. JULAC was established in 1967 by the Heads of the University of Hong Kong (HKU), Chinese University of Hong Kong (CUHK), City University of Hong Kong (CityU), Hong Kong Baptist University (HKBU), and the University of Science and Technology (UST). JULAC is a non-profit organization and it is managed by the University Grants Committee (UGC) of the Hong Kong SAR Government.

Member Libraries

- The Chinese University of Hong Kong
- The Hong Kong University
- The City University of Hong Kong
- Hong Kong Baptist University

JULAC Committees

- JULAC Directors
- Access Services
- Bibliographic Services
- Conservation & Preservation
- Committee on Media
- Consortial
- Copyright Committee
- Joint Universities Research Archive
- Learning Strategies
- Staff Development
- Statistics Committee

Resource Sharing Projects

- Conference on Cooperative Development and Sharing of Chinese Resources (October 2014)
- PRDLA 2014 Annual Meeting (December 2014)
- HKUST Library Newsletter (April 2014)

Intranet

- Past event - ALJ conference
  - Past event - ACRL @ Hong Kong
  - Past Event - JULAC Libraries Forum 2013
• Established in 1967 by the Heads of Universities Committee (HUCOM).
• A forum to discuss, coordinate, and collaborate on library information resources and services.
• Members comprise the 8 higher ed. institutions funded by the UGC.
• Ten sub-committees.
• Several affiliate members.
• Small in terms of member libraries
• Diversity in institutional profiles and priorities
• Commitment and willingness
• Unitary governance (UGC through HUCOM)
• Skills, specialisations, diverse educational backgrounds
• Geography
• JULAC Manager
Striving towards Collaboration

Recent collaborative efforts
- Purchasing, e and print
- Cataloguing
- Statistics
- Reference
- Reciprocal (walk in) borrowing
- LibQual
- HKALL – deep collaboration
- JURA
- And others
Total Volumes 2012/13 : JULAC

<table>
<thead>
<tr>
<th>Institution</th>
<th>Print Volumes</th>
<th>Ebooks</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUHK</td>
<td>2,500,000</td>
<td>10</td>
</tr>
<tr>
<td>CityU</td>
<td>1,000,000</td>
<td>10</td>
</tr>
<tr>
<td>HKBU</td>
<td>1,500,000</td>
<td>10</td>
</tr>
<tr>
<td>HKIEd</td>
<td>2,000,000</td>
<td>10</td>
</tr>
<tr>
<td>PolyU</td>
<td>2,500,000</td>
<td>10</td>
</tr>
<tr>
<td>HKUST</td>
<td>3,000,000</td>
<td>10</td>
</tr>
<tr>
<td>LU</td>
<td>3,500,000</td>
<td>10</td>
</tr>
<tr>
<td>HKU</td>
<td>4,000,000</td>
<td>10</td>
</tr>
</tbody>
</table>
Total Circulation Transactions: JULAC

Years:
- 2002
- 2003
- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013

Transactions:
- 2002: 5,610,625
- 2003: 6,197,789
- 2004: 6,332,051
- 2005: 6,409,384
- 2006: 6,350,011
- 2007: 6,325,714
- 2008: 6,026,244
- 2009: 6,249,106
- 2010: 6,065,009
- 2011: 5,691,211
- 2012: 5,076,075
- 2013: 4,527,134
“We are thus, in general, disappointed at the level of collaboration ... There are, however, areas of success: ... the collaboration by libraries on a new joint storage facility and sharing of books.”
• Hong Kong Academic Library Link
• User initiated, unmediated Inter Library Lending among the 8 JULAC libraries
• Books delivered to your home library
• Union catalogue of all monograph holdings of the 8 libraries
• First of its kind in Asia
• First in the World to include a large number of Chinese vernacular items
• A virtual distributed shared storage!!
Copies available at both CU and PolyU
Monograph Overlap

Total number of titles = 8,804,625
Joint Universities Research Archive (JURA)

... to provide Hong Kong’s JULAC libraries with an efficient, sustainable and secure climate-controlled storage and retrieval facility for research materials that promotes shared access to scholarly information and facilitates the effective use of space within existing library buildings.
Why JURA?

• Crowded library shelves
• Extra students – 4 year curriculum
• Changing demands on library spaces
  – Flexible
  – Varied
  – Meeting evolving curricula
  – Integrating print/digital
• Growth in print – decreased but still significant
The report of my death is a (slight) exaggeration

http://en.wikiquote.org/wiki/File:Mark%20Twain.jpg
Volumes Added: JULAC

Year 2002: 499,650
Year 2003: 439,219
Year 2004: 491,125
Year 2005: 374,285
Year 2006: 360,521
Year 2007: 380,339
Year 2008: 280,945
Year 2009: 270,450
Year 2010: 278,189
Year 2011: 270,450
Year 2012: 280,945
Year 2013: 340,865
Total Volumes: JULAC

Year | Volumes
--- | ---
2002 | 7,715,375
2003 | 8,135,015
2004 | 8,581,120
2005 | 8,940,458
2006 | 9,266,441
2007 | 9,941,585
2008 | 10,250,156
2009 | 10,550,794
2010 | 10,735,245
2011 | 10,957,907
2012 | 11,183,784
2013 |
JURA: The Model

- HKU led and managed project
- Joint ownership
- Shared costs: equitable distribution
- Single copy
- Closed access
- 5.27 million capacity => 8.43 m after expansion (if needed)
- 59,000 metal bins stored on 3 floors (each 13.85m high)
- Automated Storage and Retrieval System (ASRS)
Models examined

• Traditional shelving (Box shelving)
• Traditional shelving (Spine out shelving)
• Compact shelving
• Harvard / Stanford method in multi-story building
• Harvard / Stanford method in single story building
• Automatic storage and retrieval system in multi-story building
• Automatic storage and retrieval system in single story building
Why ASRS?

• Highest setup cost
• Lowest operating cost
• Automatic tracking of items
• Speed – encourages use
• Ease of item management
• Low human effort
• Minimal margins of error
A 12 Storey Building

- 4 stories high ultimately but initially only 3
- 1 JURA storey = 3 regular floors
- So ultimately like a 12 storey building
First in Asia
From Cal State U: Long Beach
PERSPECTIVE
透視圖
The Current Status

• Three requirements by UGC:
  – Detailed design
  – Incorporation
  – Land allocated

• Final hurdle:
  – Capital Works Resource Allocation Exercise (CWRAE) upgrade status to B+
  – Legco approval
Interim measure: Distributed Journals

• JULAC libraries work collaboratively on de-duplication for all print resources subscribed by JULAC libraries.

• Developing and streamlining a de-duplication methodology for JULAC libraries print title holdings;
Memorandum of Understanding

JULAC
DISTRIBUTED PRINT JOURNAL STORAGE PROJECT
MEMBER INSTITUTION AGREEMENT

1. INTRODUCTION

1.1 This understanding is made as of the date of last signature by and among JULAC eight tertiary education institution libraries and the Joint University Librarians Advisory Committee (JULAC).

1.2 The Joint University Librarians Advisory Committee was established in 1967 by the Heads of Universities Committee (HUCOM). It is a forum to discuss, coordinate, and collaborate on library information resources and services among the libraries of the eight tertiary education institutions funded by the University Grants Committee (UGC) of the Hong Kong SAR Government.

1.3 Among other projects, JULAC has embarked upon a distributed print journal project (the "Project") pursuant to which it will arrange for its members to store and archive.
Memorandum covers:

- Storage Obligations of Member Institution
- Original Form
- Cost
- Environmental Conditions
- Repairs and Restorations
- Damage or Loss
- Replacement Copies
- Bibliographic Identifiers
- JURA
- Access and Use
- Ownership
- etc
Assigning responsibility

• Make the assembling of runs as easy and straightforward possible
  – Large runs that could be completed by another library
  – Partial runs, then fill in the gaps

• Keep unique titles

• Spread the wealth/responsibility around as much as possible
  – Choose smaller libraries with complete runs whenever possible
  – Alternate between libraries with largest holdings
## JSTOR in volumes

<table>
<thead>
<tr>
<th></th>
<th>Unique</th>
<th>Dup with 1</th>
<th>Dup with 2</th>
<th>Dup with 3</th>
<th>Dup with 4</th>
<th>Dup with 5</th>
<th>Dup with 6</th>
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<td>157</td>
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<td>62</td>
<td>52</td>
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<td>46</td>
<td>30</td>
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<tr>
<td>PolyU</td>
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<td>29</td>
<td>14</td>
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<td>10</td>
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## JSTOR in volumes

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<tr>
<th>Library</th>
<th>No. of titles</th>
<th>No. of vol.</th>
<th>No. of vol. to keep</th>
<th>No. of vol. to keep (%)</th>
<th>No. of vol. potentially to be weeded</th>
<th>No. of vol. to potentially be weeded (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUHK</td>
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<td>18,310</td>
<td>63</td>
<td>10,758</td>
<td>37</td>
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<tr>
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<td>4,616</td>
<td>664</td>
<td>14</td>
<td>3,952</td>
<td>86</td>
</tr>
<tr>
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<td>100</td>
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<td>0</td>
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<tr>
<td>HKIEd</td>
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<td>0</td>
<td>2,983</td>
<td>100</td>
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<tr>
<td>PolyU</td>
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<td>7,021</td>
<td>1,250</td>
<td>18</td>
<td>*To be confirmed</td>
<td>* To be confirmed</td>
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<tr>
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<td>5,605</td>
<td>1,140</td>
<td>20.34</td>
<td>4,465</td>
<td>79.66</td>
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<td>2,860</td>
<td>71.45</td>
<td>1,143</td>
<td>28.55</td>
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<tr>
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<td>38,483</td>
<td>22,922</td>
<td>59.56</td>
<td>15,632</td>
<td>40.62</td>
</tr>
<tr>
<td>Total</td>
<td>2,812</td>
<td>92,971</td>
<td>48,338</td>
<td>51.99%</td>
<td>44,633*</td>
<td>48.01%*</td>
</tr>
</tbody>
</table>
Thank you.