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ASEAN Digital Economy: Challenges & Opportunities for Academic Libraries

Singapore Country Report
Growing Trend Towards Digital Content

- Responsive Collection Development
- Less Print, More Electronic Resources
- Retaining Print For Specific Purposes
- Increasing Need For Data Sets To Support Research Needs
- Acquisition, Organization & Provision Of Access to Multimedia Resources
- Demand Driven Acquisition (SMU)
Where We Are Now

**NTU** implementing DataVerse as data repository to support data curation & management
- 2 Institutional Repositories (Using Dspace)
  - Open DR-NTU: conference papers, journal articles, thesis, reports etc.
  - Closed DR-NTU: student FYPs etc.
**NEW:** Add altmetrics support for Open DR-NTU

**NUS** implementing a data repository using Dspace
- New repository enhanced to accept datasets as well as upgraded to CRIS – target launch in mid Aug
- Integration with NUS Elements in Oct – Full-text deposit
- RDM – work with Office of Deputy President, Research & Technology and teaching departments to educate and promote

**SMU** InK
- SMU: InK integrated with research information system IRIS
- Library as business owner of SMU’s Research Publications module of IRIS
- Open Access Policy
- InK – 6000 full text papers had 1.4m downloads as of June 2017
- Use existing platform for research data
- Work with ORTT on research data policy
RESOURCE SHARING
NTU, NUS, SMU Libraries & Beyond

- Temporary access to libraries
- Inter-library loans
- Document Supply Service
- Support Open Access
- Support New Ways Of Disseminating & Sharing Research
Content Discovery

Enhancement

- Providing additional tools and services for users to maximise their use of information resources
- Adopting more content-creation roles in collaboration with faculty – digital humanities

Delivery

- Powerful search engines and Research Guides to traverse its large and multi-faceted resources
- E-journals delivered seamlessly through mobile apps like Browzine, available 24/7
- Custom bookmarklets to enable users to gain full access to subscribed journals or databases
Enrich Learning & Research

NTU
- Helping faculty create course and teaching blogs to facilitate teaching. NTU Libraries has created more than 300 blog spaces for more than 50 courses
- Implement an innovative ebook gallery with accompanying mobile apps for IOS and Android
- Evaluate new Library Services Platform to provide an integrated array of web services, linked data and usage analytics

NUS
- Partnering with faculty to study and implement emerging technologies like GIS. NUS Libraries collaborated with Chinese Department to map out areas where the early Chinese diaspora settled in Singapore
- Open access to digitised rare materials on biodiversity in Southeast Asian – Biodiversity Library of Southeast Asia (BLSEA). Boosts collection size of 38,796 pages across 308 volumes and 60 titles

SMU
- Collaborating with faculty and students to provide experiential learning opportunities. SMU Libraries working with schools & students to analyse data from a variety of sources
- Correlation studies looking at library impact and value on student learning
Anticipate & Respond to Trends

Professional Development
Enhance Staff Capability With Emerging Competencies

Collaborate With Academic Libraries In Singapore To Optimise Learning Opportunities
“A Day of Life in ... Library” - a local exposure programme for participants to exchange best practices and establishing network. Six participating academic libraries (NUS, NTU, SMU, SIM, NIE, SUTD) take turns to organise the programme 2 runs a year

Enhanced Information Literacy
Rapidly scale up the value of information literacy and instructional skills of library professionals
HR Initiatives

NTU
- Career development portal (CDP) for individual staff to identify training needs, plan register for relevant courses and track progress of their learning (Experiential, Social, Formal Learning)
- Library job rotation every 3 or 6 years for continual staff development, learning opportunities and career progression

NUS
- Learning through training visiting librarians - attachment programmes for overseas librarians
- Skills audit framework
- Future of NUS Libraries – transformation plan around highly skilled professionals and IT

SMU
- Talent management framework, first year experience librarians group exposed to IL, IAR Future Skills program
Sustainability

- Prudent stewardship of budget – maximise cost savings

- Streamlining processes for efficient use of manpower and faster turnaround time, e.g. Lean Six Sigma at SMU, Over 70% staff with Greenbelt certificates

- Energy savings

- Explore and collaborate on national-level projects for libraries in Singapore through the Council of Chief Librarians (CCL) and Library Association of Singapore (LAS). Possible projects include:
  - Shared off-site storage facility for last copy
  - Licensing and sharing of e-resources
ASSESSMENT
Assessments

- Develop dashboards for data analysis to enhance user experience and build service models that meet the needs of stakeholders more effectively.

- Link to other data marts from other non-library department to answer business questions related to academic success.

- Explore strategies and propose recommendations for integrating assessments into instructional workshops to measure student learning and for improvement.

- Implement 360 Competency Feedback and Development for managers.
**Best Practices**

**New spaces**

Use spaces in collaboration with stakeholders, e.g. the schools or research centres to provide a showcase of research work and programmes that tie in closely with the university’s key thrusts in education, research and innovation, new Law Library at SMU named after late Mrs Lee Kwan Yew

**Digital Scholarship Services**

Offer new services drawing on the strengths of different teams eg. digital scholarship, data management, digital portals & initiatives, scholarly impact, technologies etc.
THANK YOU