Digital Excellence Program
Successes, Challenges, and The Future

Robin Phua @ Digital Directions 2016 – Business Models for Digitisation
1 million microforms
500,000 bound serials
65,000 newspaper volumes

2 million books
13 kms manuscripts

1.5 million photographs
0.5 million prints, drawings, paintings and maps

26k realia, coins, tokens, medals

13k hours Oral History
10k posters
130k ephemera

“Get a move on old man!”
Digital Excellence Program

“Digitisation” $62.3 million 10 years

“Digital Infrastructure” $10.2 million 4 years

Source: Integrated Delivery Model, Business Case & Economic Appraisals for “Digitisation for Regional Delivery”, May 2012, Page 1
DEP Infrastructure - Deliverables (First 4 Yrs)

- OSCAR (DC/Comms)
- Robust Network & Wireless Infrastructure
- Digital Storage
- Desktop equipment, SOE, and applications
- Microform Reader/Scanners
- Curio – gallery app
- Printer & MFD Services
- VOIP & Telephony
- Public Website Platform
- Integrated Library Management System
DEP Digitisation – Deliverables (First 4 Yrs)

- 7.5 million pages in total
- 4.5m newspapers pages
- 1.3m David Scott Mitchell Books pages (4.5k bks)
- 150k WWI Diaries pages
- 80k manuscript pages
- 46k plans and maps
- 11,000 hours of oral history/sound recordings
- 130k pictorials
- 1m pages of NSW Government Gazettes
High quality cultural heritage digitisation services for preservation and access delivered within budget and time expectations.

Customer Relationship

- Governance
- Project Coordination

Customer Segments

- Library Business Stakeholders
- Project Sponsor

Channels

- Meetings, Reports
- Delivery & ingestion of digitised assets

Revenue Streams

- Treasury Fund (Capital Budget)

Cost Structure

- Staffing (Project, Digitisation, Care, Records)
- Procurement, Equipment

Partner:
- NLA & Trove

Procurement & Vendor Capabilities

- Procure, Legal
- Imaging Talent
- Imaging Facilities, Equipment & Gear
- Systems & Technologies

Key Activities

- Planning & Project Coordination
- Collection Care & Preparation
- Digitise & QA
- Procure, Legal
- Collection SMEs
- Imaging Talent
- Imaging Facilities, Equipment & Gear
- Systems & Technologies

Key Partners

- Project Sponsor: Library Business
- Stakeholders: Governance, Project Coordination
- Meetings, Reports, Delivery & ingestion of digitised assets

Value Propositions

- High quality cultural heritage digitisation services for preservation and access delivered within budget and time expectations.

The Business Model Canvas

www.businessmodelgeneration.com
The Future – Use digital to disrupt & adapt

1. Creating digital experiences
   - DX Lab’s Loom

2. Facilitating digital research
   - WWI Digitisation

3. Increasing efficiency gains
   - Auto-Tagging

4. Engaging the community
   - Amplify

Original: Mitchell Library Reading Room, 1911-1912 (Digital Order No. a1528225) – State Library of NSW Collection
Experiments underway
WWI Diaries Digitisation Journey

Digitisation

Website (ww1.sl.nsw.gov.au)

(transcripts.sl.nsw.gov.au) Transcription

Visualisation (diggersdiaries.org)
UTS & SLNSW IMAGE AUTO-TAGGING PILOT

JUNJIE ZHANG (UTS PHD), A/PROF. JIAN ZHANG

- 30K IMAGES FROM THE SAM HOOD COLLECTION
- 20K TRAINING >> 10K TESTING
- 119 LABELS

RESULTS:
- 78.1% OVERALL PRECISION
- 49.3% OVERALL RECALL
- 60.4% OVERALL F1 SCORE
4. Examples:

Blue stands for matched label

Red stands for missed label

Purple stands for wrong prediction

Image ID: hood_31744r.jpg

Ground truth: male; people; cricket;

Predict label: male; people; cricket;
Efficiency gains

Blue stands for matched label

Red stands for missed label

Purple stands for wrong prediction

Image ID : hood_26080r.jpg

Ground truth:  male; people; indoor; library;

Predict label:  male; people; indoor;
Efficiency gains
UTS

Blue stands for matched label
Red stands for missed label
Purple stands for wrong prediction

Image ID: hood_01434r.jpg

Ground truth: male; people; female; children; portraits; beach; swimsuits;

Predict label: male; people; beach; swimsuits; surf;
UNESCO’s World Audio Visual Heritage Day

Public launch

27 October 2016

amplify.sl.nsw.gov.au
Summary

Beware the constraints when changing the business model.

You are not alone – join the ecosystem.

Use digital to disrupt and adapt.