The Lab culture: does the petri dish approach work?
Australia’s first cultural-heritage innovation lab that supports new ways of design thinking, experimentation and research in digital experiences.
MADE WITH,
PLAYED WITH,
REMADE.
Inspiration
British Library Labs

British Library Labs is an initiative funded by the Andrew W. Mellon Foundation which supports and inspires the public use of the British Library’s digital collections and data in exciting and innovative ways. We actively encourage scholars and innovators to work with us, thereby supporting the British Library’s mission to guarantee that the wealth and diversity of the Library’s intellectual digital heritage is available for the research, creativity and fulfilment of everyone.

Engage and collaborate with British Library Labs:

- The British Library Labs Awards recognises outstanding work that has been created using the British Library’s digital collections.
- The British Library Labs Competition has supported transformative project ideas which have sought to use the British Library’s digital content in new and exciting ways.

*16 x16 Colourful Faces from the British Library Collection*, created by Mario Klingemann, a winner of the Labs Awards. The images are collated from the Library's Flickr Commons 1 million collection
Find hidden NZ content

Uncover amazing archival photos, posters, newspapers, artwork, research papers and more. Use DigitalNZ to discover millions of NZ items from the digital stores of libraries, museums, archives, communities, and government.

Introduction to DigitalNZ

Step by step guides

- How to collect and share a set of favourites
- Signing up to save favourites
- How to find re-usable content
- Digitising family history and whakapapa

Search tips

- Using filters to narrow your search
- Using Fuzzy, Boolean, Wildcards and Ranges
- Search tricks

Featured sets Learn about collecting and sharing
The first museum-led incubator
GET MORE OUT OF THE NEW EUROPEANA LABS

This is your code, this is your heritage, these are your labs.
Post-Launch Update on Exhibition Channels: Metrics Analysis

To date, Cooper Hewitt has published several groupings of exhibition-related content in the channels editorial web format. You can read about the development of channels in my earlier post on the topic. This article will focus on post-launch observations of the two most content-rich channels currently on cooperhewitt.org: Scraps and By the People. The Scraps channel con-
Digital Innovation

Mahuki is Te Papa's innovation incubator, helping to develop ideas into world-leading digital experiences for the cultural sector.

- Programme runs for 4 months from 15 August 2016.
- Based on-site at Te Papa in Wellington.
- 10 teams of 2 to 4 people.
- Access to Te Papa's experts, resources and visitors to help develop and test ideas.

Applications for our 2016 intake have now closed.
Why?
WHY does a library need a lab?
‘only a few Australian GLAM organisations have made fundamental changes to their planning, structures and operations to place innovation & digital services at the core rather than as add-on activities’

Innovation Study: Challenges and Opportunities for Australia’s Galleries, Libraries, Archives and Museums
Here to change the way our **audiences** think about what a library can do in the 21st century
Place for experimentation, research and collaboration
7 million + digitised items
Push boundaries: design thinking
We want users to be inspired to research, use, adapt and create with these collections.

#madewithslnsw
How?
access  appeals  collaborative

beauty  (2)  available (1)
communities (1)  cross (1)  curious (1)  current (1)  cutting (1)  designed (1)  diversity (1)
easier (1)  edge (1)  entry (1)  experiment (1)  experimental (1)  fun (1)  honesty (1)
imclusive (2)  library (1)  making (1)  memorable (1)  multi-lingual (1)

open (1)  openness (1)  outward (1)  people (1)  play (2)

people (1)  questioning (1)  regional (1)
Audience first:  do it because it matters not because it’s shiny

Design creatively:  with data and partners

Don’t over bake:  audiences need to connect through simple + meaningful experiences

Innovate:  be sure to push the boundaries

Iterate:  if something is already built, just improve on it.

Constant prototyping:  leave room for others to finish and build upon our experiences
Skills
Uncertainty / patterns / insights

Clarity / Focus

Research

Concept

Design

Damien Newman
**Purpose/Goals**

- **IDEA FOR USE OF MAP**
  - Make an interactive map that is easy to use.
  - Has an interface to allow you to upload content.
  - Use Mapbox API.
- **WEB EXPERIENCE**
  - To deliver prototype in sentence?
  - Ability to grow around prototype?
  - Needs to be worked on sharing on their blogs/social (Community)
  - To visualise places/roads of western Sydney.
- **PREDICTIONS**
  - Prototype not experience to be designed/measured/future/look like (160)

**Critical Behaviours**

- **CLIENT TO CONFIRM LIST OF PARTICIPANTS**
  - Workshop and defined session.
  - Client to survey participants.
  - Client to provide any required assets/services communication of session.

**Open Issues**

- **Is mobile needed?**
- **Who is the audience?**
- **What can it achieve? (2/3/4wks)**
- **Is there an existing aesthetic to maintain?**
- **Do they need more related to Mapbox in the next?**
  - Not using Mapbox

**Done-ness**

- A web experience using the railway map data.
- Sharing of code is in MB
Experiments
EVERY STORY HAS A THREAD.

Weave through collections, traverse the relationships and explore the data.

An experiment with the State Library of NSW
4 million people search the collection online per year
About the Catalogue

This catalogue contains records of the manuscripts, oral history and pictures collections of the Mitchell Library, Sir William Dixson Library and Dixson Galleries.

This new version of the catalogue contains additional content which has been transferred from paper based collection guides and contents lists that have previously only been available in the Mitchell Library Reading Room.

The inclusion of this additional rich content and the development of this new catalogue has been possible through the support of the NSW Government through the eRecords project. Published material including maps can be found in the State Library's Catalogue for published material.

Members of Aboriginal, Torres Strait Islander and Māori communities are advised that records may contain names and images of deceased people.

All users of the catalogue should also be aware that certain words, terms or descriptions may be culturally sensitive and may be considered inappropriate today, but may have reflected the author's/creator's attitude or that of the period in which they were written.
Item by item
one-to-one relationship
return
DATA

TOTAL IMAGES IN LOOM
3,287

TOTAL TAGS IN LOOM
1,396

TOTAL DIGITISED IMAGES OF THE SYDNEY AREA IN THE LIBRARY
14,664

TOTAL IMAGES AVAILABLE OF THE SYDNEY AREA IN THE LIBRARY ONLY
1,145
Search For: circular quay

Select:
- **Keywords**
- **Phrase**
- **All**
- **Records with images**
- **Records without images**

Record Type: Relevancy

Search
Term: Sydney - Wharves - Circular Quay
Call #: A 2497
Collection: Gother Kerr Mann papers, 1825-1885
Page: 266
Date: 1853

Term: Sydney - Wharves - Circular Quay
Call #: A 887/Vol. 17
Collection: Sir Henry Parkes - Papers, 1833-1896
Page: 239
Date: 23 November 1859

Title: Fence Post Quay. Wrought Iron. Circular Quay
Call #: SLIDES 109/Box 02
Collection: James Whitelock: Slides of historical buildings, 1961-1998 (Box 2)
Item Number: 080.01
“Locally contextualised information, showing me how to use it, whilst inspiring possibility”
<table>
<thead>
<tr>
<th>Year</th>
<th>Total Topics</th>
<th>Topics 1</th>
<th>Topics 2</th>
<th>Topics 3</th>
<th>Topics 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1870</td>
<td>267</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>1875</td>
<td>211</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>1880</td>
<td>217</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>1885</td>
<td>177</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>1890</td>
<td>253</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>
View of entire collection from space. User can pan, zoom and rotate around the space.

Larger particle = more records total
Empty particle = no records in Loom
What we learnt.

Broad perspective of collection
Lenses help us view and access items differently.
Sketch in code. Design and Development. Shift in relationship
Importance of consistency and structure within metadata
Scale is vital in decision making for an archive.
Digitization now needs to shift to contextualization.
Catering to curious users can open up collection.
didn’t expect...
Digital Learning Fellowship
<table>
<thead>
<tr>
<th>Place Name</th>
<th>Location</th>
<th>Coordinates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Koojah</td>
<td>Coogee</td>
<td>Beach; Suburb</td>
</tr>
<tr>
<td>Merooberah</td>
<td>Maroubra</td>
<td>Beach; Suburb</td>
</tr>
<tr>
<td>Bunnabee</td>
<td>North Botany Head (Near La Perouse)</td>
<td>Headland</td>
</tr>
<tr>
<td>Givea</td>
<td>South Botany Head (Near Kurnell)</td>
<td>Headland</td>
</tr>
<tr>
<td>Kundul</td>
<td>Captain Cook's Landing Point (in current day Kurnell)</td>
<td>Historical Site</td>
</tr>
<tr>
<td>Goonamarra</td>
<td>Cronulla</td>
<td>Beach; Suburb</td>
</tr>
<tr>
<td>Bulla</td>
<td>Bulli</td>
<td>Suburb</td>
</tr>
<tr>
<td>Elowera</td>
<td>Illawarra</td>
<td>Region</td>
</tr>
<tr>
<td>Woolyungah</td>
<td>Wollongong</td>
<td>City</td>
</tr>
<tr>
<td>Kiare mia</td>
<td>Kiama</td>
<td>Town</td>
</tr>
<tr>
<td>Moona</td>
<td>Name for inside of Jervis bay</td>
<td>Bay</td>
</tr>
</tbody>
</table>
one week later...
The Anthropological Society of Australasia Survey

This is Box 4 of MLMSS 7603 / Boxes 4-5: Survey forms and correspondence received by the Royal Anthropological Society of Australasia regarding Aboriginal place names, 1899-1903. Floating pages have transcribed placenames.

Folder 1

Page 1

Page 1 is a survey form. The page is dated Nov 1899 {?}.

We have located the following placenames:
1. Boondi (Bondi): Noise made by sea wave breaking on beach
2. Koogah (Coogee): Bad smell, caused by the decay of large quantities of seaweed washed ashore
3. Merooberah (Maroubra): The beach was named after the tribe that inhabited the particular place
4. Bunnabee (North Botany Head)
5. Givea (South Botany Head)
6. Kundul (Captain Cook's Landing Point)
7. Goonamarrra (Cronulla)
8. Bullia (Buff): Two mountains
9. Bellambi
10. Dapton (Dapto)
11. Elowera (Illawarra): Pleasant place
12. Woolyungah (Wollongong): Five islands
13. Kiare mia (Kiama): Fish may be caught from the rock
14. Minna-murra (Minnamurra): Plenty of Fish
15. Gerringong
16. Coolongatta (Cooma): The highest land (a lookout)
17. Moona (Jervis Bay): Plenty
18. Boodere (Boderee)
The Anthropological Society of Australasia Survey

This is **Box 4 of MLMSS 7603 / Boxes 4-5**: Survey forms and correspondence received by the Royal Anthropological Society of Australasia regarding Aboriginal place names, 1899-1903. Floating pages have transcribed placenames.

Folder 1

Folder 2

Folder 3
Weemala v2
REPTON’S RED BOOKS COME TO LIFE

19.01.2017 | category: General

Humphry Repton (1772-1818) was a leading landscape designer who refined the concept of the landscape garden and is regarded as the greatest English landscape designer to follow ‘Capability’ Brown. Repton produced finely illustrated books featuring watercolours and aquatints on hinged flaps to show ‘before’ and ‘after’ views. These manuscript volumes, bound in red morocco became known as ‘Red Books’, and were produced to sell his landscape ideas to prospective clients. Repton produced over 400 Red Books for various clients. Sketches and Hints on Landscape
A request has been placed for the Item below.
Please retrieve this item and deliver it to the State Library.

AUTHOR: MacKenzie, Jeanne.
TITLE: Australian paradox
IMPRINT: London : MacGibbon & Kee,
PUB DATE: 1962.
DESC: 239 p. ; 22 cm.
CALL NO: 980.1/82B1
VOLUME:
BARCODE: 1942969
STATUS: REQUEST ITEM
REC NO: i2057520
LOCATION: Mitchell Library - Onsite Storage
PICKUP AT: Special Collections
OPACMSG:
<table>
<thead>
<tr>
<th>Stack Request Slip</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Title of item</strong></td>
</tr>
<tr>
<td><strong>Author</strong></td>
</tr>
<tr>
<td><strong>Call / Location number</strong> (please print clearly)</td>
</tr>
<tr>
<td><strong>Signature</strong></td>
</tr>
<tr>
<td><strong>Year, volume etc.</strong></td>
</tr>
<tr>
<td><strong>Library card number</strong></td>
</tr>
</tbody>
</table>

**NOTE:**
Use this slip for items without an online request.

**LOCATION:**
Special Collections, Mitchell Library Reading Room, Governor Marie Bashir Reading Room, Lower Ground 2
```json
{  
    "fda3a3aef61a564f8a0dfe724a2ea843": {  
        "20160428112759": "started",  
        "20160428112813": "at location 3",  
        "20160428112820": "at location 5",  
        "20160428112822": "at location 7",  
        "20160428112826": "found 658765",  
        "20160428112831": "at location 9",  
        "20160428112835": "at location 11",  
        "20160428112837": "found 76876",  
        "20160428112842": "at location 13",  
        "20160428112845": "at location 15",  
        "20160428112846": "delivered 658765",  
        "20160428112848": "delivered 76876",  
        "20160428112853": "at location 17",  
        "20160428112856": "at location 18",  
        "20160428112859": "completed"  
    }  
}
```

**LOCATIONS**

<table>
<thead>
<tr>
<th>id</th>
<th>name</th>
<th>level</th>
<th>x</th>
<th>y</th>
</tr>
</thead>
</table>
| 12  | another column            | S3    | 2   | 4   | delete  
| 14  | column                    | S5    | 4   | 3   | delete  
| 18  | elevator                  | kjb   | 5   | 7   | delete  
| 19  | stairs                    | Click to edit | 0 | Click to edit | delete  
| 21  | crossroad in centre of floor | 3 | 11  | 13  | delete  

Face to face
Workshop with IxDA
Re-invent the Library Card

* **Budget** - no limit
* **Hardware** available - Superfast wifi, beacons, nfc etc
* **Content** updates: every 6 weeks
* **Audience**: broad - primary to elderly

Stack Slip Data Visualisation

* **Budget** - 200K
* **Hardware** nfc tracked stack slip over 5 floors-live feed
* **Data** focuses on individual request and shows the movement for the day
* **Audience**: Library users onsite and online
wearable tracks visit. your

SLOW museum/library
serendipity/surprised.

respecting your interests
not search/look

SL

5 mins
Meet the Data Owners
Pivot...
Total: 2717. Successful: 1891. Not: 826. 100% completed.

Zero items in replacements where began=0. Looks like we are finished...!

<table>
<thead>
<tr>
<th>File</th>
<th>ID</th>
<th>Begin</th>
<th>End</th>
<th>Status</th>
<th>Old</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>2746</td>
<td>2866678577</td>
<td>20160811152121</td>
<td>20160811152128</td>
<td>SUCCESS! replaced</td>
<td>2866678577</td>
<td></td>
</tr>
<tr>
<td>2747</td>
<td>2867502370</td>
<td>20160811152141</td>
<td>20160811152147</td>
<td>SUCCESS! replaced</td>
<td>2867502370</td>
<td></td>
</tr>
<tr>
<td>2748</td>
<td>2867494012</td>
<td>20160811152201</td>
<td>20160811152206</td>
<td>SUCCESS! replaced</td>
<td>2867494012</td>
<td></td>
</tr>
<tr>
<td>2749</td>
<td>2867475538</td>
<td>20160811152221</td>
<td>20160811152226</td>
<td>SUCCESS! replaced</td>
<td>2867475538</td>
<td></td>
</tr>
<tr>
<td>2750</td>
<td>2866625141</td>
<td>20160811152241</td>
<td>20160811152247</td>
<td>SUCCESS! replaced</td>
<td>2866625141</td>
<td></td>
</tr>
<tr>
<td>2751</td>
<td>2866613569</td>
<td>20160811152301</td>
<td>20160811152306</td>
<td>SUCCESS! replaced</td>
<td>2866613569</td>
<td></td>
</tr>
<tr>
<td>2752</td>
<td>2867425266</td>
<td>20160811152321</td>
<td>20160811152339</td>
<td>SUCCESS! replaced</td>
<td>2867425266</td>
<td></td>
</tr>
<tr>
<td>2753</td>
<td>2866527135</td>
<td>20160811152341</td>
<td>20160811152346</td>
<td>SUCCESS! replaced</td>
<td>2866527135</td>
<td></td>
</tr>
<tr>
<td>2754</td>
<td>2866522209</td>
<td>20160811152401</td>
<td>20160811152424</td>
<td>SUCCESS! replaced</td>
<td>2866522209</td>
<td></td>
</tr>
<tr>
<td>2755</td>
<td>2867346990</td>
<td>20160811152441</td>
<td>20160811152449</td>
<td>SUCCESS! replaced</td>
<td>2867346990</td>
<td></td>
</tr>
<tr>
<td>2756</td>
<td>2867335696</td>
<td>20160811152501</td>
<td>20160811152527</td>
<td>SUCCESS! replaced</td>
<td>2867335696</td>
<td></td>
</tr>
<tr>
<td>2757</td>
<td>2866498615</td>
<td>20160811152541</td>
<td>20160811152546</td>
<td>SUCCESS! replaced</td>
<td>2866498615</td>
<td></td>
</tr>
<tr>
<td>2758</td>
<td>2866483591</td>
<td>20160811152601</td>
<td>20160811152628</td>
<td>SUCCESS! replaced</td>
<td>2866483591</td>
<td></td>
</tr>
<tr>
<td>2759</td>
<td>2866462013</td>
<td>20160811152641</td>
<td>20160811152705</td>
<td>SUCCESS! replaced</td>
<td>2866462013</td>
<td></td>
</tr>
</tbody>
</table>
(7) 43697 5205025493  ✓ images match

(3) 14379 5205620000  ✓ images match

(19) 153765 5205013341  □ images match

(20) 153765 5205610798  □ images match
Enter a range of digital IDs to extract from the co-masters (eg a3145001 to a3145020): (To extract one image, enter its digital ID in both fields)

Start:
- a3145001

Stop:
- a3145003

Locations to search in:
- master
- comaster
- highres
- preview
- screenres
- thumbnail

Click to SEARCH
SYMPHONY IN STEEL

100 PHOTOGRAPHS. THE BRIDGE MOVIE BOOK
<table>
<thead>
<tr>
<th>Example</th>
<th>Name</th>
<th>Date</th>
<th>Image link</th>
<th>Image link</th>
<th>Image link</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 CATS</td>
<td>Erika Taylor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
some takeaways...
Experimenting is important
Prototyping is critical for design thinking
Data is messy and will not always do what you think it will do
Partnerships and collaboration- think differently here
Be prepared to pivot
Tell your audience it’s an experiment
Sketch lots (and in code)
Build upon code- iterate
2 week sprints- often go beyond this
Share your findings, code and data
THANK YOU

dxlab.sl.nsw.gov.au

@paulabray  STATE LIBRARY NEW SOUTH WALES