Closing Remarks

Stephen Rhind-Tutt
Thank you!
Our Challenge
2.5 quintillion bytes
Data produced each day

2.4 million
Scientific articles per annum

Zero
Number of researchers who can keep up
Next academic year all our students will have been born in the twenty-first century
2007

All libraries: acquisition, cataloguing, invoicing, journal/licence administration, own library catalogue, homepage, interlibrary loan

2009

ASB: 25
Psy: 3
Law: 4
PolSci: 3
Econ: 1
Herning: 4

6 independent libraries
40 staff

2 libraries: all back office functions and own library system + homepage
1 library (soc.sci): own homepage, back office + library catalogue outsourced to State Library
24/7 access to library (reduced staff hours)

2012

ASB: 25
SocSci: 9
Herning: 4

3 independent libraries
38 staff

1 library (3 addresses):
Back office
Library catalogue
Home page
Outsourced to State Library
24/7 access to all 3 libraries (reduced staff hours)

2016

AU Library, Aarhus BSS
1 library – 3 locations
30 staff

1 library partly closed down, stacks moved to State Library.

2018

AU Library, transferred over to the Royal Danish Library
24 staff

New “play mates” and new possibilities.
The Manchester context

The University

- 3 core goals:
  - World Class Research
  - Outstanding Teaching & Learning
  - Social Responsibility
Summit: Researchers embrace TDM

Camp 4: Skills and support

Camp 3: Technical infrastructure

Camp 2: Access to content

Camp 1: Legal clarity

The long road to TDM

EU Directive

Copyright exception (Base Camp)
Method
We are united globally in our goals and values

We must connect global and local actions effectively
Mission Statement

Initial work on six core principles:

Reciprocity
Interoperability
Citability
Trustworthiness
Stewardship
Openness
Learning
THE ROLE OF THE LIBRARIES

DOCUMENTATION
PRESERVATION
DISSEMINATION
LEGAL CONTROL

ALSO FOR MOOCS
The University of Manchester Library

My Learning Essentials

The Library’s award winning skills programme

www.manchester.ac.uk/my-learning-essentials

@mlemanchester
1. Early alert and student success

Dakota Bergem

Individual Engagement Rating - Cumulative
Calculated from multiple sources including VLE, library use & building access

Dakota's current rating is high

Dakota's current score is 315, up 28 on last week
Cooperative Marketing – Affordable Textbooks

- Goal: build awareness of and drive use of portfolio of e-Textbooks already licensed
- Supply custom lists of textbooks already licensed by the library to librarians and faculty
- Partner with librarians to explore more ways to expose licensed texts to faculty
- Explore and take up the causes faced by modern campuses
- Inspired by SPARC and Student Public Interest Research Groups
Gerry Hanley – Director of MERLOT

“The library spends money to lend books that students may need for free. The bookstore sells the books students have to have”
Research
DH Tools

Digital Humanities: Tools

- **Bamboo DIRT**: A tool, service, and collection registry of digital research tools for scholarly use.
- **Bibliopedia**: Bibliopedia will perform advanced data-mining, text encoding, and text analysis tools.
- **Color Brewer**: Find the right color scheme for your maps and web mapping tools.
- **Digital Toy Chest**: Tools for Humanities.

Data Mining, Text Encoding, and Text Analysis Tools (in alphabetical order)

- **Annotation Studio**: A suite of collaborative web-based annotation tools.
- **Juxta**: Juxta is an open-source tool for comparing and collating multiple witnesses to a single textual work. Originally designed to aid scholars and editors examine the history of a text from manuscript to print versions, Juxta offers a number of possibilities for

Digital Humanities: Tools

- **Tools**: Tools and Methods
- **Methods**: Methods
- **Open Source Tools**: Open Source Tools
- **Commercial Tools**: Commercial Tools
- **Research Workshops at UCLA**: Research Workshops at UCLA
- **Community**: Digital Humanities Network
- **Workshops**: Digital Humanities Network
- **Digital Content**: Digital Humanities Network

600 YEARS CAMBRIDGE UNIVERSITY LIBRARY

1416-2016

Digital Humanities Tools

- **Related Info**: Cambridge Digital Library
- **Digital Content**: Cambridge Digital Libraries
- **Office of Scholarly Communication**: Cambridge Digital Humanities Network

Contact us
Welcome to LilliadVis.io!

At LilliadVis.io, we love physical libraries as much as we love digital libraries. But let's face it, it is so far rather hard to live in both at the same time. We want to change that. Period! So, we rolled up our sleeves, immersed ourselves in zillions of data, unleashed the dark side of the Force, crashed our computers more often than not, but never surrendered. We made our visual dreams come true. We designed innovative visual tools powered by the art and science of algorithms. They seamlessly add the digital touch to the physical library. You are about to enjoy your exciting library visual experiences.

Because, at the end of the day, (also at the beginning of the week), we firmly believe that:
- More often than not we don't know what we already know.
- It's not [easy] about searching but [easy] about discovering what we did not know we were looking for.

Look before you leap, leap before you look, look and leap. Books are at your fingertips!

PS: Thanks to the robots for their kind help in shaping these libraries' experiments. They are friendly and helpful (co)builders.

**DICe**
_aka Digital Content Explorer_
What would a digital library look like if one could both read and books data? How if you could visualize it on your screen? This is what DICe is all about.

**SAGE**
_aka Smart Academic Graph Explorer_
Online discovery is powered by a mix of human curiosity and algorithmic inquiry. What if a library could be a ready catalyst by your academic efforts? This is what SAGE is all about.

**SCOPE**
_aka Smart Communities of Patrons Explorer_
What if you could map active reading communities and discover what these communities read? This would indeed broaden your reading horizon. This is what SCOPE is all about.

**ABLE**
_aka Automated Bespoke Library Explorer_
What if one could use the combined power of books, readers, data and robots to learn to draw your reading portrait? This is what ABLE is all about.
Ranking of research support services

Respondents ranked 6 services in order of preference from 1 (most important) to 6 (least important)
It analyzed 40 months of data, containing 1.8 billion comments made by over 100 million users across 36,000 communities.

Workflows

Hypothetical workflows (as originally presented in 2015)
Library size vs research support services size

![Graph showing the relationship between library size and research support services size, with various universities marked on the plot and an R² value of 0.0133.]
Summary
A strong and united library field powering literate, informed and participative societies
CO-CREATIVE KNOWLEDGE AND SKILLS

Play
Performance
Simulation
Multitasking
Distributed Cognition
Collective Intelligence
Judgment
Transmedia Navigation
Networking
Negotiation
So, why is Sci-Hub such a success?

Because it’s a comprehensive, reader-facing, service for researchers that’s easy to use.
1. Unity of vision – Collaboration, Open, Machine Tools, Reciprocity, Inclusivity
2. User, not content, as focus
3. Increasing importance of workflow – both learning and research
4. Library as co-creator and publisher (Digital Repositories, MOOCs)
5. Library and publisher as provider of tools and services (TDM, Makerlabs, etc.)
6. Library as central to a university and its workflows

- The library as the only cross-departmental space on campus with knowledge and skills to deploy learning and research tools and services
Most students agreed that the emphasis on primary sources gave them a deeper understanding of the war. Several students went out of their way to find soldiers’ diaries and trench journals, for a “very real” understanding of what it was like to be involved in the war. They felt more invested in the class and learning about the war; one student said she felt like she was “taking charge” of her education in this class.