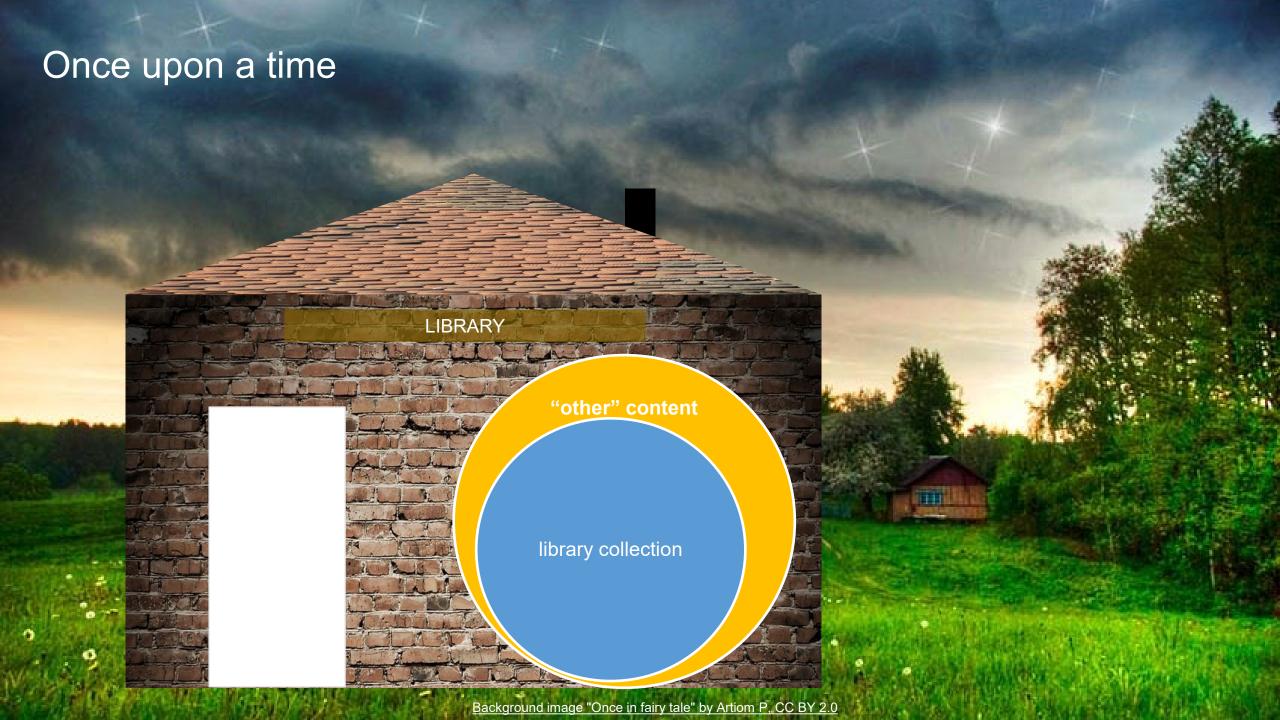
"Social Machines"

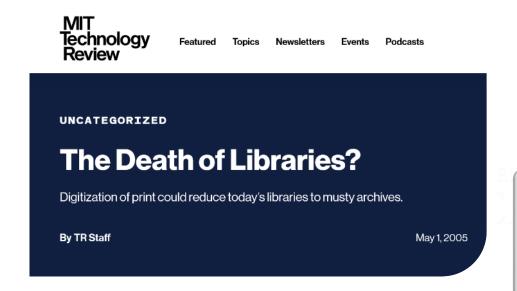
Opportunities and Challenges for Research Libraries

Dr. Torsten Reimer (ORCID | @torstenreimer | reimer@uchicago.edu)
University Librarian and Dean of the University Library
The University of Chicago





The argument about the death of libraries





And so, with these things in mind, it's hard not to imagine a future where the majority of libraries cease to exist — at least as we currently know them. Not only are they being rendered obsolete in a digital world, the economics make even less sense. One can easily envision libraries making their way to the forefront of any budget cut discussions.

I know this sucks. Libraries have been an invaluable part of human history, propagating our culture and knowledge over centuries. But recognizing the changing times and pointing out the obvious shouldn't be considered blasphemy. It is what it is.

Informationsgewinnung

Wozu noch Bibliotheken?

Das Informationsmonopol, das wissenschaftliche Bibliotheken jahrhundertelang hatten, ist gekippt. Wer heute rasch eine Information braucht, geht nicht mehr in eine Bibliothek, sondern benutzt eine Suchmaschine im Internet.

Von Michael Knoche | 17.12.2017

Is the library dead? The answer is complicated

Laura Rosenfeld, Tech Times | 11 September 2014, 02:09 pm

"I am still standing"



The actual death of the (public) library

According to the Chartered Institute of Public Finance and Accountancy, national spending on the library service topped £1bn in 2009/10 but **dropped to under £750m** by 2019/20. This has coincided with the **closure of some 773 library branches**. [...]

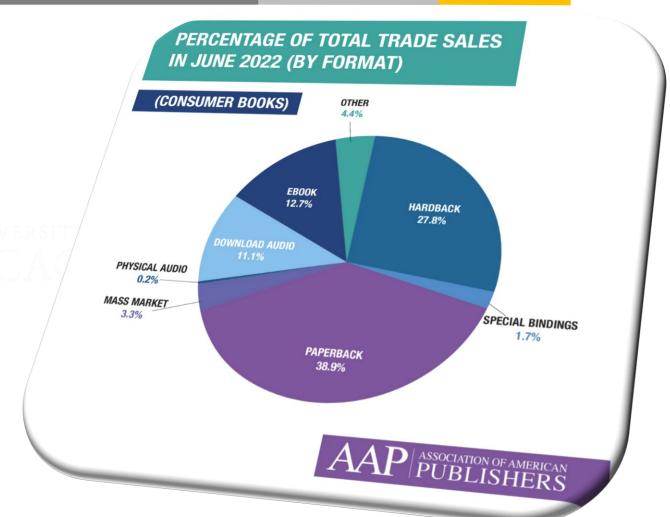
It has been suggested that libraries have found themselves in a **vicious circle of low funding**, causing the provision of a poorer service, leading in turn to further diminishing popularity with the public. [...]

By contrast, others point out that the decline in library usage, and thus the potential waning of the traditional library model, is more the **inevitable consequence of modern behavioral trends**.

https://www.politics.co.uk/reference/public-libraries/

Is it inevitable, is it just about the digital shift?

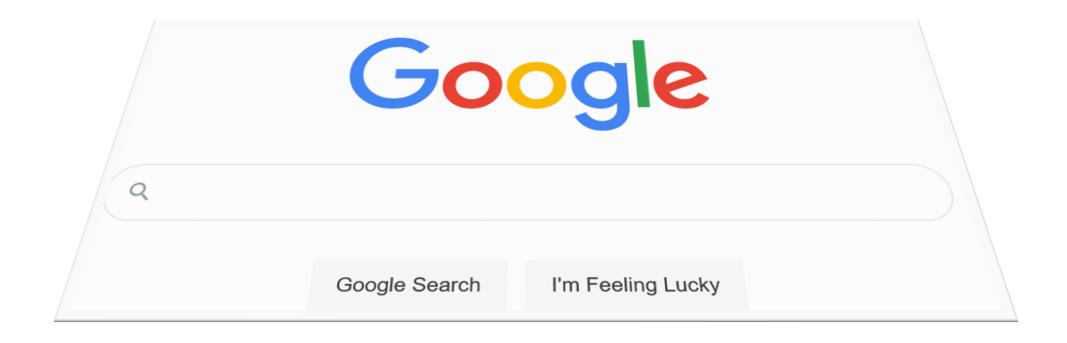




What about academic libraries though?



Discovery – no longer in the library

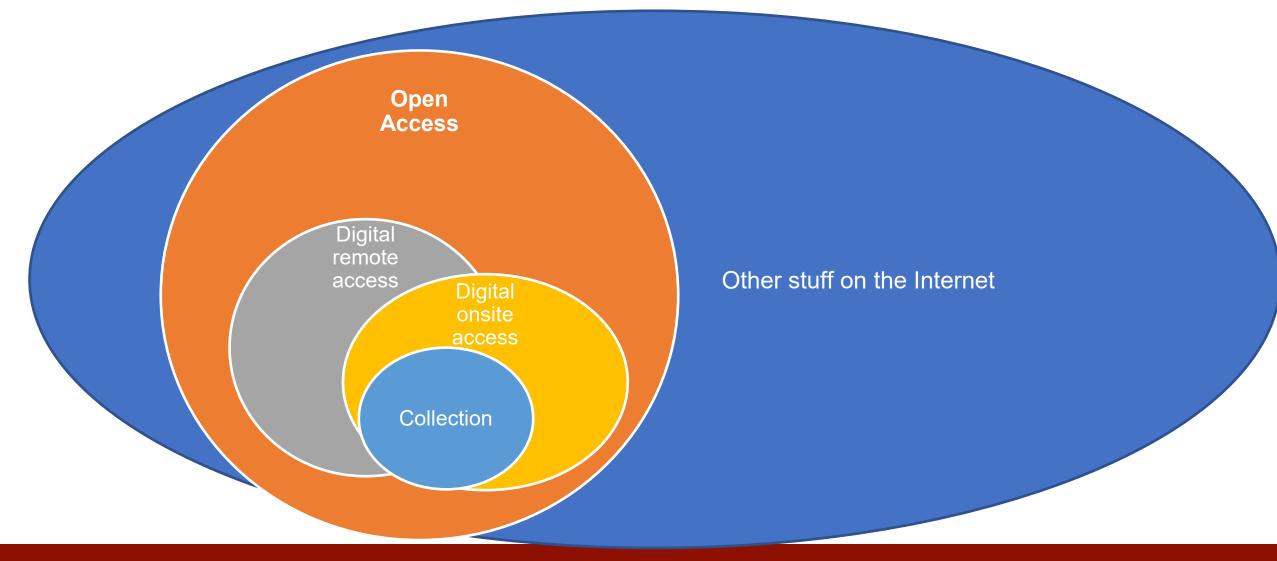


User experience failures

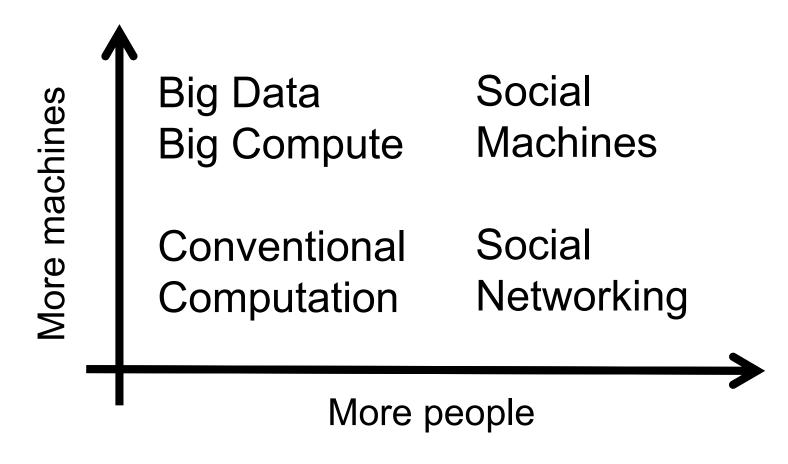




Our collections are shrinking



Libraries and computational research?



Dave de Roure, Oxford



Solution: a new model army library, pt1

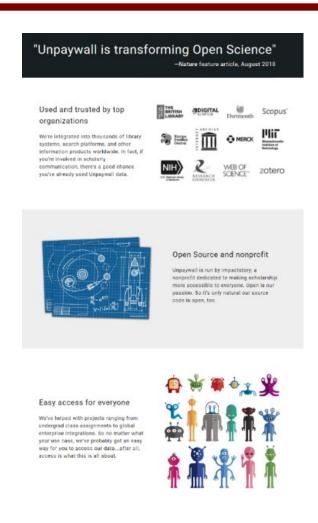


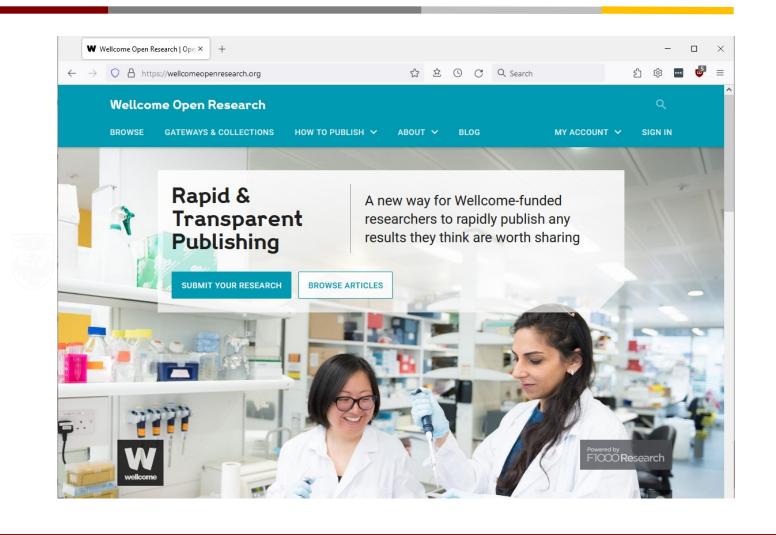
Solution: a new model army library, pt2



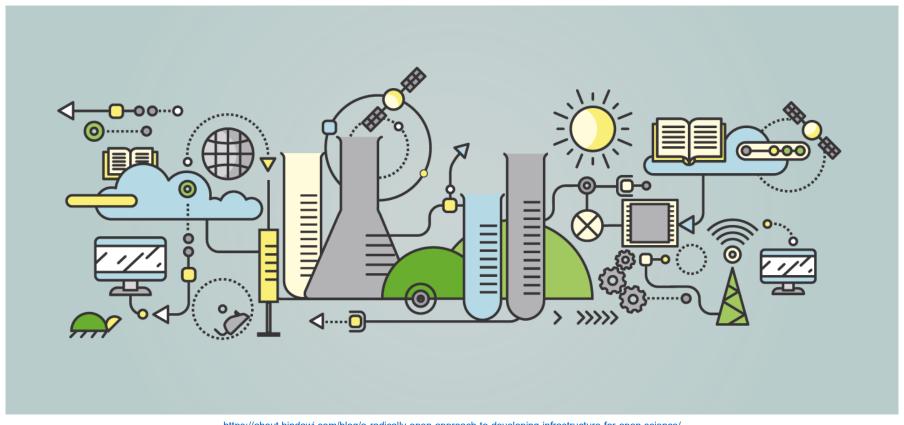
A simple transition to a new model?

Open access...what will be the role of libraries though?



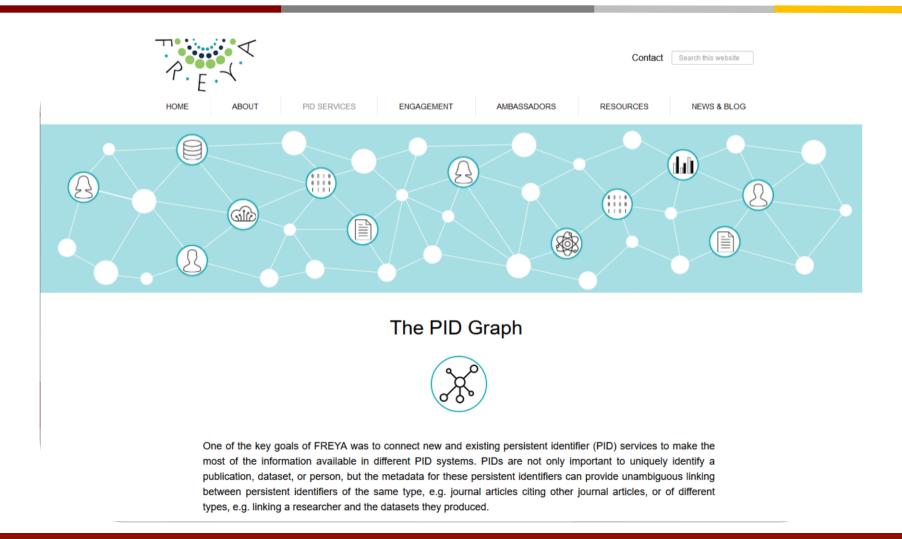


Open science – can we really support it?



https://about.hindawi.com/blog/a-radically-open-approach-to-developing-infrastructure-for-open-science/

Persistent identifiers: end of local data?

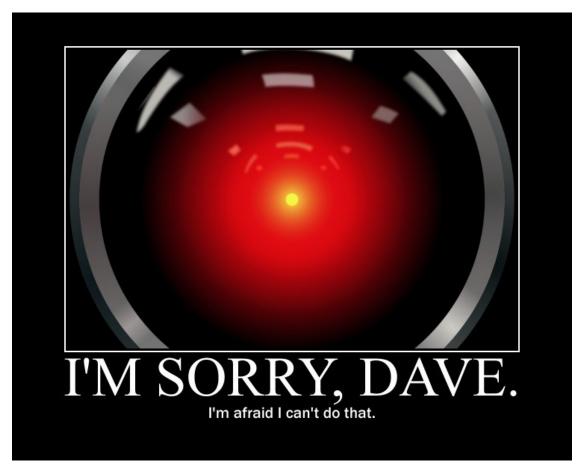


Our #1 UI will be for software not people



https://en.wikipedia.org/wiki/File:Card puncher - NARA - 513295.jpg

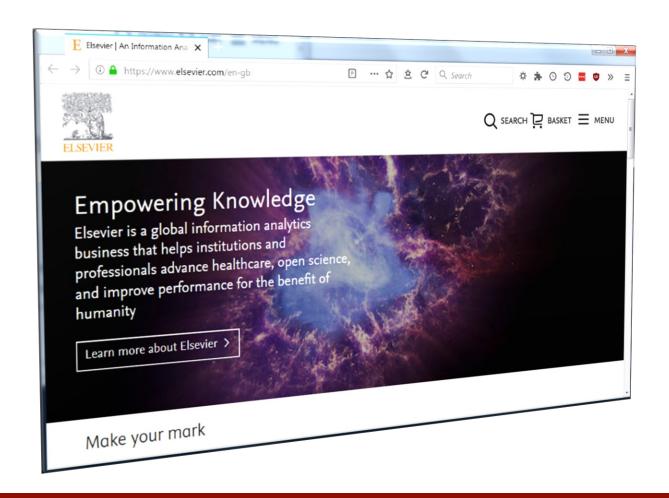
Algorithms will manage our content



https://commons.wikimedia.org/wiki/File:Motivator_HAL_9000_soory_dave.jpg CC BY 3.0



Big publishers reborn as data companies



A negative view on our future role

- · Role in discovery, access and managing content might be reduced
- We will procure, not run services and our information will be in the cloud
- Most of our digital services will actually be provided by a just few service providers
- Our role in open science services may be smaller than we expect
- Repositories could disappear behind commercial discovery layers
- Algorithms will control our content and we won't control or even understand them

=> Loss of control and transparency

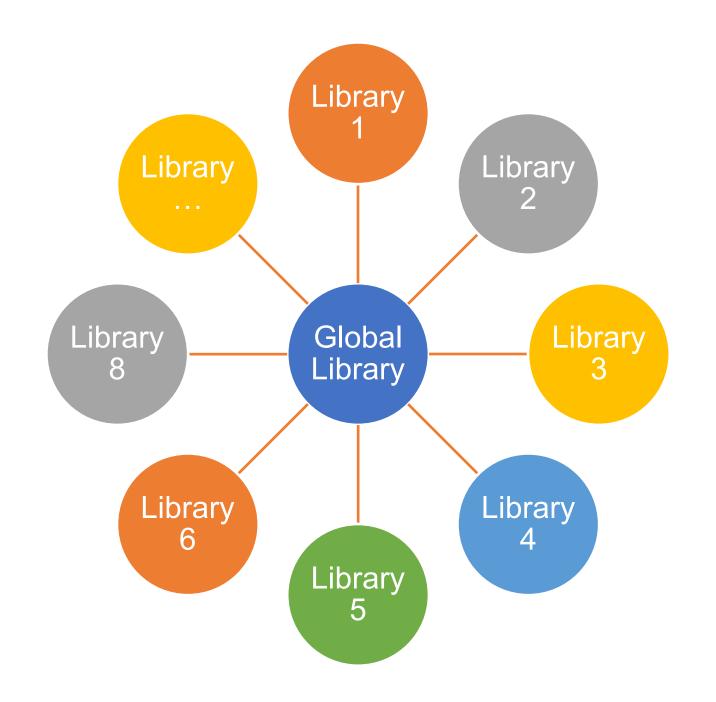
What to do about it?

Collective action

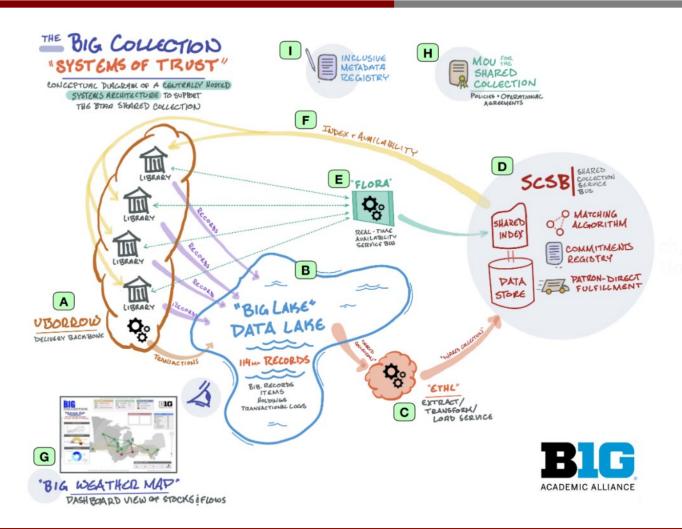


Photo by Alex Garland, shared CC By 2.0 by Backbone Campaign





Example: BIG Collection



BIG 10 Academic Alliance (BTAA) Member Libraries:

University of Chicago

University of Illinois

Indiana University

University of Iowa

University of Maryland

University of Michigan

Michigan State University

University of Minnesota

University of Nebraska-Lincoln

Northwestern University

The Ohio State University

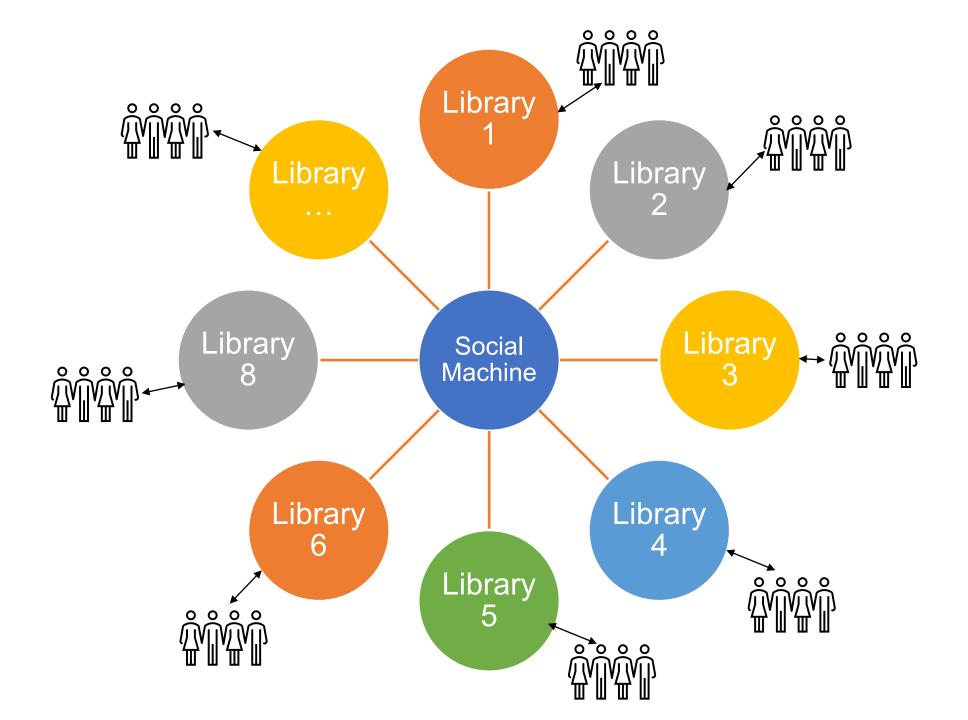
The Pennsylvania State University

Purdue University

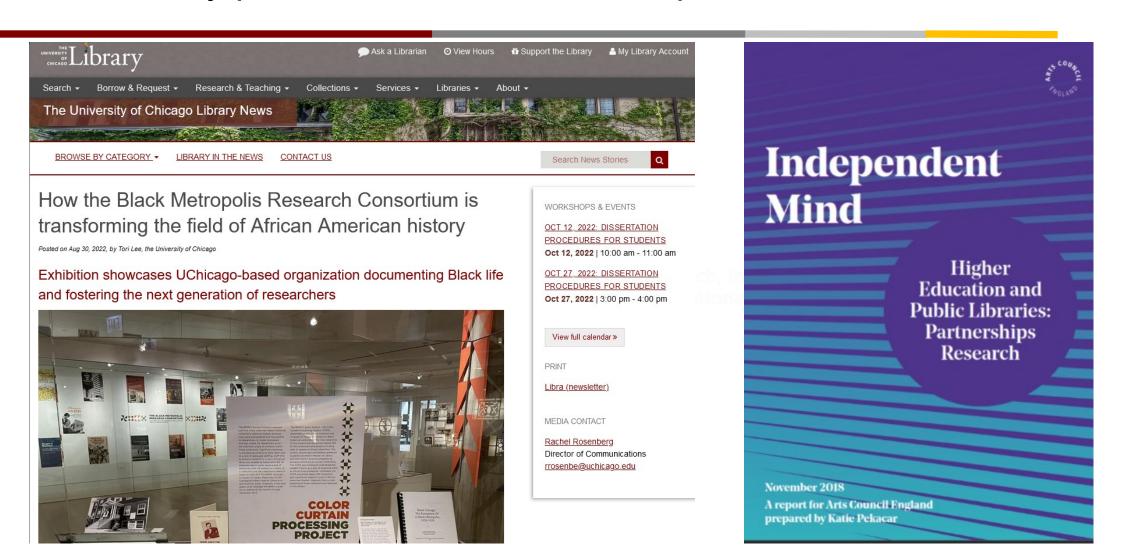
Rutgers University

University of Wisconsin-Madison

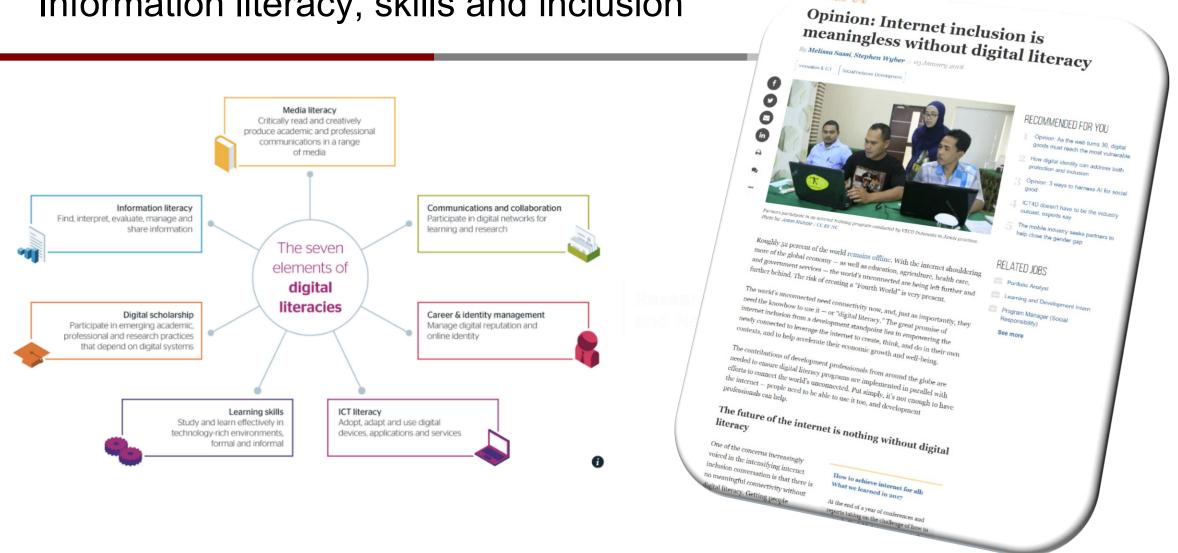
Image © Maurice York, Director of Library Initiatives at BTAA



Community partners – libraries as campus interfaces and more



Information literacy, skills and inclusion



GLOBAL WEWS ICTAD

Building a global library social machine

