Digital scholarship and open access: Sharing research and scholarship in new ways

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Owing Your Community-Engaged Scholarly Work

• Motivations:
  • The personal is professional ... the profession becomes personal.

• Open Access for Community Engaged Scholarship
  • A principled case
  • A self-interested case

• How to do it ... legally and a low cost.
Full participation of community in identifying issues of greatest importance increased motivation to participate in research process.

Community representatives involved with study design and proposal submission increased acceptability of study approach, include funds for community.

Community representatives provide guidance regarding recruitment and retention strategies. Enhanced recruitment and retention.

Measurement instruments developed with community input and tested in similar population. Potentially sensitive issues handled better and increased reliability and validity of measures.

Community members help guide intervention development. Assures greater cultural and social relevance to the population served, increasing the likelihood of producing positive change.

Community members assist researchers with interpretation, dissemination and translation of findings. Assures greater sensitivity to cultural and social norms and climate and potential group harm and enhances potential for translation of findings into practice.

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Figure 1.1.1: Comparison of CBPR and Traditional Research:
https://depts.washington.edu/ccph/cbpr/u1/u11.php
Community members assist researchers with interpretation, dissemination and translation of findings. Assures greater sensitivity to cultural and social norms and climate and potential group harm and enhances potential for translation of findings into practice.

Data analyzed and interpreted, findings disseminated and translated.

Researchers report findings from statistical analysis and publish in peer-reviewed journals.

A Church-based Physical Activity Intervention for African American Women

Young, Deborah Roth PhD; Stewart, Kerry J. EdD

Family & Community Health: April-June 2006 - Volume 29 - Issue 2 - p 103-117
Don’t let your publishing practices serve as a barrier to community-engaged scholarship

Principles of CBPR:
"8. Disseminates findings and knowledge gained to all partners"
(Barbara A. Israel, et al. 1998.)

Definition of “public scholarship”
Publicly engaged academic work ... encompasses different forms of making knowledge about, for, and with diverse publics and communities. ...[I]t contributes to the public good and yields artifacts of public and intellectual value. (Ellison, J., & Eatman, T. K. 2008).
How do your publishing activities benefit the research ecosystem?
Subscription Journal Market

- 88% of the journal share is subscription-based
- Majority owned by 5 very profitable companies
  (Elsevier, Springer, Wiley, Taylor & Francis, SAGE ...)
- Profit margins: 30% - 40%
  (in contrast: Apple, 23%; Eli Lilly, 20%; Berkshire Hathaway, 11%)
- CEOs of Elsevier, Thomson, Wolters Kluwer: $13+ mil. salaries
  (in contrast: Jeff Bezos, Amazon $1.7 mil.)
- Subscription prices increase by 6% - 7% per year

If gasoline prices kept pace with journal prices ...

$4,276
Average price for a subscription to a Chemistry or Physics journal in 2015

Odell, 2016. The Lewis .... http://hdl.handle.net/1805/8684
Be a Responsible Citizen of the Scholarly Ecosystem

Will publishing in this venue contribute to your credibility as a scholar?

Will publishing in this venue result in a return on your community’s investment? (Does the university lose resources? Do researchers and students share the profits?)

Will publishing in this venue permit low-cost or no-cost dissemination to academic and community readers?

Will publishing in this venue result in a return on your investment? (Do you own the work? Do you share in the profits?)

https://thinkchecksubmit.org/
Self-Interest: OA ... What’s In It for You?

- Readers, readers, readers ...
- Increased citation rate (18% or more)

Peter H. Schwartz, MD, PhD
Bioethicist
Depts. of Medicine & Philosophy
Items in ScholarWorks: 28
Downloads: **4,371**
(Jan 1, 2010 to the present)

Citations received per year

Added first 7 items to IUPUI ScholarWorks
Self-Interest: OA ... What’s In It for You?

- Translation without condescension
- Supplemental metrics

The source of concern is how the tax bill is expected to sharply reduce the number of taxpayers who qualify for the charitable tax deduction — a big driver of gifts to nonprofits. One study predicts that donations will fall by at least $13 billion, about 4.5 percent, next year. That decline is expected to be concentrated among gifts from the middle of the income scale. The richest Americans will mostly keep their ability to take the tax break.

OA report published on IUPUI ScholarWorks; cited by The Washington Post.
Over 3,000 downloads in Dec. 2017 from: http://hdl.handle.net/1805/12599
What can you do about it?

In four points

1) Own Your Professional “About” Page
2) Seek open and alternative publishing approaches
3) Report item-level impact and other metrics
4) Support “Open” in Your Organization
1. Own your professional “about” page

• Why? You need a home page to tell the story of your community-engaged work.

• What? Google Scholar + 1

• How? The more that you own the site, the better. Don’t give your data away to a for-profit.
  • Recommended Tools:
    • ORCID: http://orcid.org/
    • Your campus website; e.g., pages.iu.edu
    • https://reclaimhosting.com/
    • WordPress.com
Google Scholar Profile

Perspective: Is It Time for Advocacy Training in Medical Education?
D Croft, SJ Jay, EM Meslin, MM Gaffney, JD Odell
Academic Medicine 87 (9), 1165-1170

The Interdisciplinary influence of library and information science 1996–2004: A journal-to-journal citation analysis
J Odell, R Gabbard
College & Research Libraries 69 (8), 546-585

Giving patients granular control of personal health information: Using an ethics ‘Points to Consider’ to inform informatics system designers
EM Meslin, SA Alpert, AE Carroll, JD Odell, WM Tierey, PH Schwartz
International journal of medical informatics

Promotion and Tenure for Community-Engaged Research: An Examination of Promotion and Tenure Support for Community-Engaged Research at Three Universities...
DG Marrero, EJ Hardwick, LK Staten, DA Savasano, JD Odell, KF Comer, ...
Clinical and translational science 6 (3), 204-208

Rewarding open access scholarship in promotion and tenure Driving institutional change
J Odell, K Rodehe, M Palmer
ORCID

- Open Researcher and Contributor ID
- non-profit, community-driven
- registry of unique researcher identifiers
- 16-digit numbers for scholarly authors
- a complete bio page; free.

http://orcid.org/0000-0001-5455-1471

http://orcid.org/
2. Seek open and alternative publishing approaches

Did you know..? Most ‘Gold’ OA journals do not have publishing charges?

- Publish via ‘gold’ route

Do you know a fee-free OA journal?

- CHECK - thinkchecksubmit.org
- The DOAJ

Do you have funding for OA?

- CHECK - Your library
- Your university
- Your funders

- Publish via ‘gold’ route
- Can you publish a post-print?

- Publish your post-print

- Can you publish a pre-print?

- Publish your pre-print

- Choose a different journal

Pre-print - a manuscript draft that has not yet been subject to formal peer review, distributed to receive early feedback on research from peers.

Post-print - a manuscript draft after it has been peer reviewed but before type-setting by the publisher.

Jon Tennant, Got Open Access? http://fossilsandshit.com/got-oa/ (CC BY)
Seek alternatives for work that is not a good fit for journal publishing

• Use your IR for gray literature.
• Keep a blog or build a website.
• Seek new models of peer review for non-journal works.
• Examples of peer review:
  • CES4Health: http://ces4health.info/
  • MERLOT: https://www.merlot.org
  • MedEd Portal: https://www.mededportal.org/
Know and maximize your rights

http://www.sherpa.ac.uk/romeo/index.php

https://creativecommons.org/

http://scholars.sciencecommons.org/

http://librarycopyright.net/resources/fairuse/
Solicit peer reviews for a web-based projects

- **Recommendations for soliciting peer review:**
  - CCPH, "Solicit Peer Review of Applied Products"
    https://ccph.memberclicks.net/ces-toolkit-unit1-section1-3
  - Collect both quantitative and qualitative comments.
  - Ask your library for help. Many academic libraries now offer peer reviewed publishing software and services.

- See for example: *Educating Harlem* -
  http://educatingharlem.cdrs.columbia.edu/omeka/review
EXHIBIT UNDER REVIEW

Drawing on other examples of open review in scholarly publishing, we use an open review process for our interpretive exhibits on the history of education in Harlem. After an initial round of review by our editorial team, we make an exhibit public but “under review,” for comment by both invited peer reviewers and all other interested readers.

Our most recent exhibit will be under review for a period of 30 days before the exhibit is revised and published in its final form. Please let us know what you think about this work-in-progress on Harlem’s educational history, and help us to build and share a robust, accurate, and meaningful history of education in Harlem.
Be as open as possible: use your IR

Institutional repositories: library-supported, non-profit, open access, discoverable and stable
(No IR on your campus? Use OSF Preprints: https://osf.io/preprints/)

https://scholarworks.iupui.edu/handle/1805/6599
Use the IR to document and support CE on your campus

http://scholarworks.umass.edu/engagement/

http://digitalcommons.linfield.edu/lcn/

http://digitalcommons.unomaha.edu/slce/

http://digitalcommons.brockport.edu/water_research/
3. Report item-level impact and other metrics

... “Use it or lose it”

- Citations
- Downloads
- Uses
- Comments

Caution: ResearchGate and Academia.edu are closed, for-profit systems that do a poor job of data sharing about how your work is used.
Show your reach

IUPUI ScholarWorks 6.4 Million Visits
Local and Global Communities
Indianapolis, all Indiana counties and 192 countries
Use altmetrics tools to find and report discussions of your work.
Collect and share qualitative comments

About the value of the "Indianapolis Motor Speedway Collection" to the Indianapolis community and the IMS:

"We were in a race against time to save our photos ... what we ended up with was telling our story in a rich way, with more assets than we thought we had and I would say the impact today is that we capture our assets intentionally."

https://www.youtube.com/watch?v=1PQ2BtvLBoU
4. Support “Open” in Your Organization

75 Universities working to adopt or implement open access policies

https://sparcopen.org/coapi/members/
Supporting “Open” at IUPUI

IUPUI Open Access Fund

The IUPUI Open Access Fund underwrites reasonable publication charges for articles published in fee-based, peer-reviewed journals that are openly accessible. This fund addresses changes in scholarly communications while increasing the impact of and access to scholarship created by IUPUI authors. Financial support for the fund is provided by key stakeholders on the campus.

https://ulib.iupui.edu/digitalscholarship/openaccess/oafund

Open Access @ IUPUI

IUPUI Open Access Policy

https://openaccess.iupui.edu/

ScholarWorks

What is ScholarWorks?

ScholarWorks shares over 10,000 articles, posters, reports, theses, educational materials, and technical documents submitted by members of the campus community.

Use ScholarWorks to find works by your work, get cited, and share knowledge. Learn more about this service.

https://scholarworks.iupui.edu/

IUPUI DataWorks

Researchers

Repository Manager

https://dataworks.iupui.edu/
Promotion and Tenure: Supporting “Open” and “Engaged” Scholarship at IUPUI

“Use it or lose it”

Open access supports many of IUPUI’s Institutional Values including: Civic Engagement; Collaboration; Diversity, Equity and Inclusion; Economic Development; Interdisciplinary Work and Publication; International Work and Publication; Public Scholarship; and Translational Research. (pg. 34)

The nature of public scholarship is diverse and the evidence used to support it may differ from traditional forms of scholarship. Non-traditional dissemination outlets and alternative metrics should be acknowledged as acceptable forms of documentation. (pg. 34)

https://academicaffairs.iupui.edu/PromotionTenure/IUPUI-Guidelines
Make a difference: get started

• Take a step to make a work free for the community to read.
• Find your university repository and upload your conference presentation.
• Ask a librarian for help.