SHARING YOUR RESEARCH, A PRIMER

Lamar Soutter Library Skills Series: Issues in Scholarly Publishing and Communication

October 27, 2017
SKILLS

- Describe how sharing benefits you and the wider research community
- Understand sharing expectations from research funders and publishers
- Identify campus and external resources for sharing research
- Discover who has been using your research
"By making my PhD thesis Open Access, I hope to inspire people around the world to look up at the stars and not down at their feet; to wonder about our place in the universe and to try and make sense of the cosmos. Anyone, anywhere in the world should have free, unhindered access to not just my research, but to the research of every great and enquiring mind across the spectrum of human understanding." – Stephen Hawking
WHY SHARE YOUR RESEARCH?

- More exposure for your work
- Researchers in developing countries can see your work
- Taxpayers get value for money
- Compliant with grant rules
- The public can access your findings
- Your research can influence policy
- Practitioners can apply your findings
- Higher citation rates
CITATION ADVANTAGE

Increased visibility dissemination citations impact


Gargouri et al. (2010). Self-Selected or Mandated, Open Access Increases Citation Impact for Higher Quality Research. Available from: http://dx.doi.org/10.1371/journal.pone.0013636

eScholarship@UMMS Readership Activity Map, October 2017
Pins represent recent downloads of full text content from viewers worldwide
http://escholarship.umassmed.edu/
ACCESS

Alison Meyer
@Althonealison
@mbeisen @Namaste_lsh @Dr24hours @Lewis_Lab I am regularly asking for links to full text articles from friends.
9:13 PM - 12 Sep 2015

Florence Tevy
@florenciatevy
@mbeisen @Dr24hours @Lewis_Lab I raise my hand as a teacher and as scientist from Chile. We need openaccess 4 better education too.
10:33 PM - 12 Sep 2015

Rob O’ Sullivan
@Rob0Sullivan
@SiobhanLeachman @PorchNaturalist @kejames @Dr24hours @mbeisen Even Uni access has limits. Typically for journals outside specific study area.
9:42 PM - 12 Sep 2015

Isabel Jordan
@seastarbatita
@mbeisen @TO_dpr raising a hand. Undiagnosed child. Working w/ his MDs & rsrchs & I need access.
10:33 PM - 12 Sep 2015

Shannon Cunningham
@drammicmandst
@Dr24hours @mbeisen It’s not about “getting free stuff,” it’s a matter of academia serving the purpose it is meant to: to educate...
11:47 PM - 12 Sep 2015
BENEFITS OF SHARING RESEARCH DATA

- Allows results of existing analyses to be reproduced and improved upon
- Enables reuse in meta-analyses and new research projects
- Reduces duplication of effort
- Maximizes transparency, accountability and scrutiny of research findings
- Increases the impact and visibility of research
BEING COMPLIANT

http://researchsharing.sparcopen.org/

http://v2.sherpa.ac.uk/juliet/
**EXAMPLE FUNDER: NIH**

**Requires Open Access Archiving**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>National Institutes of Health requires Open Access Archiving</th>
</tr>
</thead>
<tbody>
<tr>
<td>What to archive</td>
<td>Peer-reviewed publications</td>
</tr>
<tr>
<td>Publication version</td>
<td>Author's final version</td>
</tr>
<tr>
<td>When to archive</td>
<td>When accepted for publication</td>
</tr>
<tr>
<td>Permitted Embargo</td>
<td>12 months</td>
</tr>
<tr>
<td>Where to archive</td>
<td>Named repository</td>
</tr>
<tr>
<td>Named Repositories</td>
<td>PubMed Central <a href="http://www.ncbi.nlm.nih.gov/pmc/">http://www.ncbi.nlm.nih.gov/pmc/</a> (Required)</td>
</tr>
</tbody>
</table>

**Requires Open Data Archiving**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>National Institutes of Health requires Open Data Archiving</th>
</tr>
</thead>
<tbody>
<tr>
<td>Types of Data</td>
<td>Research Data</td>
</tr>
<tr>
<td></td>
<td>Supporting Documentation</td>
</tr>
<tr>
<td>When to archive</td>
<td>Within a reasonable time after completion of the work</td>
</tr>
<tr>
<td>Where to archive</td>
<td>Any appropriate repository (Required)</td>
</tr>
<tr>
<td>Named Repositories</td>
<td>NIH Databases <a href="http://www.nlm.nih.gov/databases/">http://www.nlm.nih.gov/databases/</a> (Example)</td>
</tr>
</tbody>
</table>

Effective for all new projects: 1 October 2003

Special Conditions: Applies to applications seeking $500,000 plus in direct costs within any year of the project period. Include a data sharing plan within application. Sharing of data no later than publication of final results

Policy Links:

Source: [http://v2.sherpa.ac.uk/id/funder/9](http://v2.sherpa.ac.uk/id/funder/9)
JOURNAL DATA SHARING POLICIES

- **Public Library of Science** (PLOS): “The data underlying the findings of research published in PLOS journals must be made publicly available. Rare exceptions may apply and must be agreed to with the Editor. Data should be de-identified where appropriate (see Human Subjects and Animal Research).”

- **Nature Publishing Group**

- **Springer Nature**

- **Wiley**

- **Elsevier**

- **Policies of top 10 journals where UMMS authors publish**
WHAT TO SHARE

- Journal article “preprints” (author’s version of a manuscript, before peer review) *
- Journal article “postprints” (author’s final version of a manuscript, after peer review, the “accepted manuscript”)
- Published journal articles (publisher’s formatted version)
- Research data
- “Grey literature”: posters, presentations, white papers, working papers, reports

* See guidance from the NIH: “Reporting Preprints and Other Interim Research Products”
SHARING UMMS ETDS

<table>
<thead>
<tr>
<th>Recent Downloads</th>
<th>24 of 71 in the past day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Papers</td>
<td>921</td>
</tr>
<tr>
<td>Total Downloads</td>
<td>265,272</td>
</tr>
<tr>
<td>Downloads in the past year</td>
<td>30,933</td>
</tr>
</tbody>
</table>

**Summary:**

- 921 Total Papers
- 265,272 Total Downloads
- 30,933 Downloads in the past year
- 24 of 71 in the past day

**Links:**
- eScholarship@UMMS
- GSBS Dissertations and Theses
- eScholarship@UMMS FAQ
- GSBS Thesis/Dissertation Policies
HOW TO SHARE: SELF-ARCHIVING

“The archiving of a scholarly publication for public access in a repository other than that of the publisher, e.g. an institutional repository or a discipline-related repository.”

How it works

1. Find out the status of your work’s copyright and publisher policies for archiving
2. Identify an appropriate Open Access repository
3. Deposit your work (or have someone deposit it for you)

See: How To Make Your Own Work Open Access (Harvard Open Access Project)

WHAT ABOUT COPYRIGHT?

Consider:

- What are you sharing?
- What are your rights?
- Are there any applicable funder or journal policies?

The Library can help you figure this out.
<table>
<thead>
<tr>
<th>Type of material</th>
<th>Who typically owns the copyright?</th>
<th>Applicable policies?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preprints</td>
<td>Author(s)</td>
<td>If submitted to a journal, check journal’s author rights and prior publication policy</td>
</tr>
<tr>
<td>Postprints</td>
<td>Author(s)</td>
<td>Check journal’s author rights policy, funder &amp; institutional OA policies if applicable</td>
</tr>
<tr>
<td>Published journal article</td>
<td>Authors often sign away their copyright as part of the publication process – check your copyright transfer or license agreement!</td>
<td>Check journal’s author rights policy; open access journals with a Creative Commons license can be shared openly; check funder policy if applicable</td>
</tr>
<tr>
<td>Research data</td>
<td>Copyright typically does not apply but data may be proprietary to the institution or inappropriate for sharing</td>
<td>Check institutional policies (IP, IRB), funder policies, journal policies</td>
</tr>
<tr>
<td>Theses and dissertations</td>
<td>Author</td>
<td>Consider whether posting might be considered prior publication</td>
</tr>
<tr>
<td>Grey literature</td>
<td>Author(s) or sponsoring organization</td>
<td>Consider sponsoring organization sharing policies; consider whether posting might be considered prior publication</td>
</tr>
</tbody>
</table>
WHERE TO SHARE

<table>
<thead>
<tr>
<th>Type of material</th>
<th>Possible sharing platforms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preprints</td>
<td>▪ Preprint servers (e.g. bioRxiv, PeerJ Preprints)</td>
</tr>
<tr>
<td></td>
<td>▪ Open source (e.g. Open Science Framework)</td>
</tr>
<tr>
<td></td>
<td>▪ Institutional repository (eScholarship@UMMS)</td>
</tr>
<tr>
<td></td>
<td>▪ 3rd party tools (e.g. figshare)</td>
</tr>
<tr>
<td>Postprints</td>
<td>▪ eScholarship@UMMS (if journal policy allows)</td>
</tr>
<tr>
<td></td>
<td>▪ PubMed Central for NIH-funded work</td>
</tr>
<tr>
<td>Published journal article</td>
<td>▪ eScholarship@UMMS (if journal policy allows)</td>
</tr>
<tr>
<td></td>
<td>▪ Or, publish in fully open access journal</td>
</tr>
<tr>
<td>Research data</td>
<td>▪ Campus resources: LabArchives, eScholarship@UMMS, IT Research Computing</td>
</tr>
<tr>
<td></td>
<td>▪ Disciplinary repositories (e.g. NCBI repositories)</td>
</tr>
<tr>
<td></td>
<td>▪ Open source (e.g. Open Science Framework, Dataverse)</td>
</tr>
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</table>
ESCHOLARSHIP@UMMS

http://escholarship.umassmed.edu/
### A WORD ABOUT RESEARCHGATE & ACADEMIA.EDU

See: A Social Networking Site Is Not an Open Access Repository
(Office of Scholarly Communication, University of California)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Open access repositories</th>
<th>Academia.edu</th>
<th>ResearchGate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supports export or harvesting</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Long-term preservation</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Business model</td>
<td>Nonprofit (usually)</td>
<td>Commercial. Sells job posting services, hopes to sell data</td>
<td>Commercial. Sells ads, job posting services</td>
</tr>
<tr>
<td>Sends you lots of emails (by default)</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Wants your address book</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Fulfills requirements of UC's OA policies</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
WHO IS USING YOUR RESEARCH?

Article-level metrics or “altmetrics” available at: https://www.altmetric.com/details/25154696
WHO IS USING YOUR RESEARCH?

Usage metrics from eScholarship@UMMS for Nursing Unit Staffing: An Innovative Model Incorporating Patient Acuity and Patient Turnover: A Dissertation
WHO IS USING YOUR RESEARCH?

Source: Scopus
WE’RE HERE TO HELP

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Sharing Your Research slide deck
Library website home page
eScholarship@UMMS & library guide
Library guide on Researcher Tools, Services and Support
Library guide on Open Access
Library guide on Research Impact
Library guide on Research Data Management Resources
Library guide on Copyright