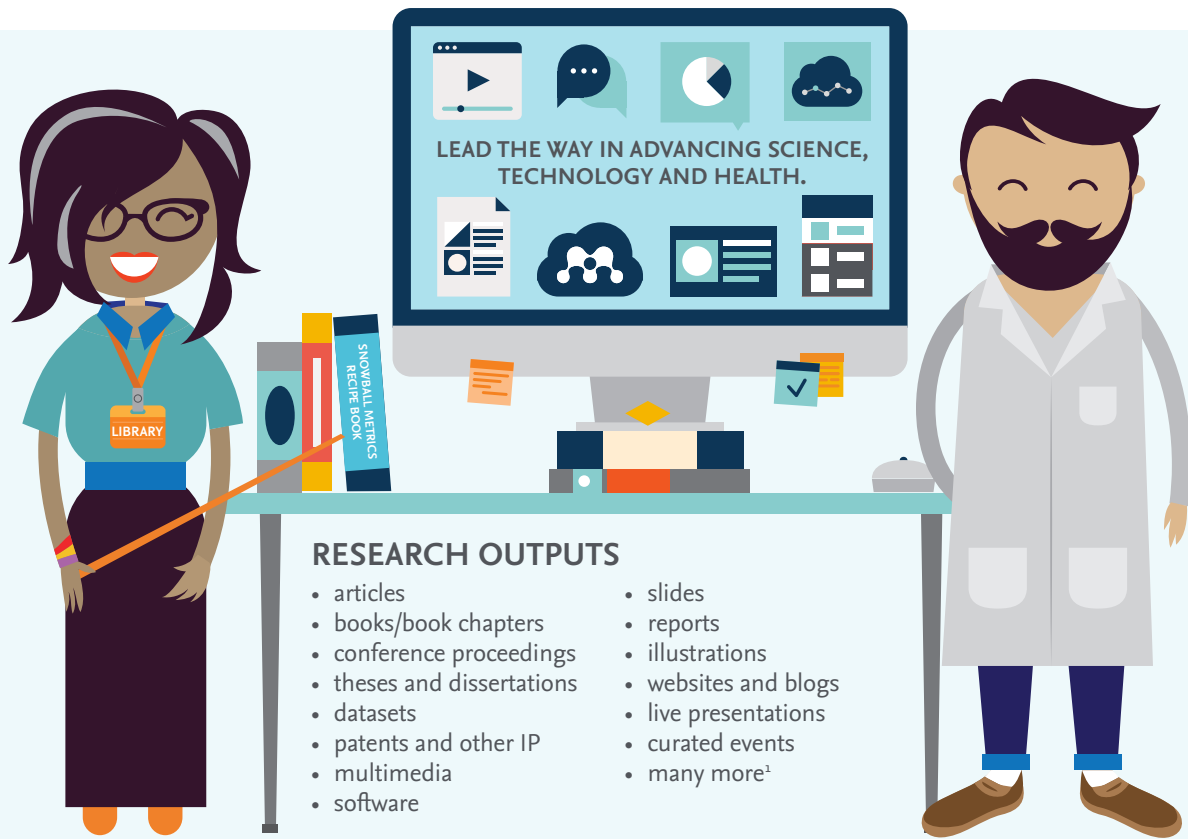


## A story of measurement, insights and action



### BEYOND BOOKS AND ARTICLES

Though scholarly publishing is still the primary measure of academic research, other forms of output are now more widely recognized, described in repositories and included in assessments. Librarians and information professionals are helping to raise awareness of the breadth of outputs and systems for tracking these new measures.<sup>2</sup>

#### RESEARCH OUTPUTS

- articles
- books/book chapters
- conference proceedings
- theses and dissertations
- datasets
- patents and other IP
- multimedia
- software
- slides
- reports
- illustrations
- websites and blogs
- live presentations
- curated events
- many more<sup>1</sup>

### BEYOND CITATION COUNTS

Citations and associated indices (bibliometrics), once the sole measure of research impact, are now being augmented by public, social and mass media measures (altmetrics) in do-it-yourself mashups or prepackaged tools. Librarians are showing researchers what metrics and tools are available, as well as how to assess their strengths, limitations and relevancy.<sup>3</sup>

#### DATA SOURCES:

Scholarly databases, social networks, academic networks, mass media, scholarly blogs, websites, open source wikis, search engines

#### MEASURES OF RESEARCH OUTPUTS

h-index  
g-index  
m-index

CITATIONS

MENTIONS + MASS MEDIA

NUMBER OF PUBLICATIONS

OTHER CITATION-BASED INDICES<sup>4</sup>

DOWNLOADS + RECOMMENDS

SHARES + CLICKS

SAVES + FAVS

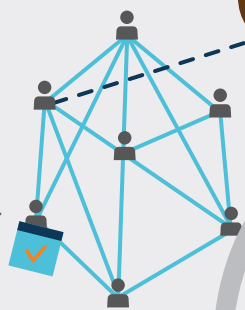
VIEWS

**CAUTION**  
ASK A LIBRARIAN



#### To-do list

- Find collaborators for phase 2 study.
- Update promotion and tenure file.
- Identify alternate funding agencies.
- Register for an ORCID ID.
- Post latest article to academic networks.
- Cross-check h-index on repositories, databases and networks.



### BEYOND TENURE DECISIONS

Researchers can apply such evidence to influence collaboration, funding and promotional opportunities. Librarians are working with researchers on raising the visibility and impact of their research and enhancing research and career opportunities, and with the research office on performance measurement and quality assessment activities.<sup>5</sup>

# Never Underestimate the {IMPACT} of a Librarian

#### REFERENCES

1. There are more than 50 output types to choose from when uploading to the UK Research Councils' Research Outcomes System. [http://www.esrc.ac.uk/\\_images/Output\\_types\\_on\\_ROS\\_tcm8-14587.pdf](http://www.esrc.ac.uk/_images/Output_types_on_ROS_tcm8-14587.pdf)
2. The University of Edinburgh Information Services encourages researchers to record and deposit both peer-reviewed and significant non-peer-reviewed research outputs in Pure, its research information system. <http://www.ed.ac.uk/schools-departments/information-services/about/policies-and-regulations/research-publications>
3. The Queensland University of Technology and The University of Queensland libraries recommend researchers speak to librarians about discipline-specific metrics and data sources that can measure and highlight the impact of publications and research outputs. <http://www.library.qut.edu.au/services/research/impact.jsp>, [http://guides.library.uq.edu.au/research\\_impact](http://guides.library.uq.edu.au/research_impact)
4. <http://blogs.warwick.ac.uk/libresearch/tag/h-index/>
5. The Becker Medical Library Model for Assessment of Research Impact recommends a three-pronged strategy with activities around Preparing for Publication, Dissemination, and Keeping Track of Your Research. <https://becker.wustl.edu/impact-assessment/strategies>



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