

Open Impacts: Recommendations

Team: Jean-Gabriel Bankier, John Dove, Jason Hoyt, Rebecca Kennison, Natalia Manola, Trevor Owens, Jack Schultz, Neil Thakur, Christopher Thomas, Karin Trainer

Group Objective

Fill gaps to demonstrate net benefits of openness to research for all stakeholders (e.g., authors, administrators, funders, publishers, educators, citizen scientists, industry, the public).

Openness

- How open is scholarship?

Utilization

- What, how, who?

Economic

- What are the financial impacts?

Measuring openness

Metrics devised to address openness - **Openness score**

- quantity & quality

| Products | License measures | Availability measures | Permanence measures | Format measures |
|--|---|---|--|--|
| articles monographs data software etc. | # CC # free to read # free to mine # embargoed embargo length # pay-walled | lots of different ways to measure availability [needs more research]. Examples: metadata quality, discoverability, crawling, machine readability, links to other resources, public access to usage data | Certification Yes No No but committed to long-term preservation | # per file formats (e.g., PDF, PDF-A, HTML, embedded figures, tables, CSV, XLS, JSON, XML) |

Recommendation: Develop Openness Score

- Convene summit of international stakeholders already collecting and aggregating data to develop openness score for all research products
- Focus on establishing plan for how to get to this international infrastructure
- Establish costs and sustainability plan
- Create technical plan for how score would be collected and managed

Measuring utilization

Measures of utilization (use and re-use)

- Readership, citations, altmetrics, geo-location, etc.
- Metrics beyond usual sources (media, education, etc.)
- Crowd sourcing/crowd funding

Recommendations

- Explore establishing working group through standards body/bodies
- Propose standard recommendations for international open access usage metrics to be adopted by community at large
 - Includes published material provided via publishers and content in institutional repositories, domain-specific repositories, funder repositories

Measuring economic impact

- Economic impact is too broad to address through measures and needs to be addressed through individual studies
- We lack consensus on metrics for publishing industry to influence policy discussions on open access

Recommendations

- OSI will establish research agenda for open scholarship.
 - Subsequent OSI meetings could include research program addressing economic impact of open scholarship.
- Gather inclusive group to define reasonable metrics for publishing industry to identify impacts of open access policies.

Get your data out. Open Impact Cat is watching!

