

LIS Bibliometrics Forum 2019 Event: Open Metrics and Measuring Openness

9:00 – 9:30 Registration

9:30 – 9:50 Welcome

Torsten Reimer (British Library) & Lizzie Gadd (Chair of LIS-Bibliometrics committee)

9:50 – 11:10 Introductory session: Keynotes

1. Presentation ONE: Open metrics – what they are and why they are needed

Catriona McCallum (I4OC)

How researchers are evaluated affects the way research is conducted and communicated and drives the culture in which research is done. The discoveries made in the past 50 years or so in science are remarkable, as are the individuals who have contributed to them. But this same period has also seen an increasing reliance on false proxies of 'quality', which in turn has imposed strong selection for certain types of research and certain types of researcher. What we don't know is what we don't have – those discoveries, insights and innovations that might be possible were the research culture more open, more empathic and more inclusive. 'Quality' is context dependent and there is an opportunity for all stakeholders to work together to understand what quality means in a 21st digital and global age of scholarship. Open metrics and campaigns such as the Initiative for Open Citations (I4OC) aim to enable the scientific method to be applied to the process of scientific communication and evaluation itself. Open metrics, whether quantitative or qualitative, are also part of a drive towards a truly open scholarly infrastructure. Ultimately, it is researchers who will need to set the vision for the future but, as the arguments over academic freedom and Plan S reveal, many are currently trapped in a system that they do not realise is broken. This is a system that is also creating increasing global inequity because it reinforces the cultural and academic capital of the west at the expense of the global south. Changing the culture is a systems problem - and open metrics are part of that - what are the roles of publishers, institutions and funders in enabling that change?

2. Presentation TWO: Measuring openness – why measure openness and how do we do it

Isabella Peters (Leibniz-Informationszentrum Wirtschaft)

The presentation will introduce the audience to various approaches to both quantitatively and qualitatively measure the state of openness of research. It will also discuss what reasons may motivate open science assessment frameworks and whether they tackle the concept "openness" appropriately.

11:10 – 11:30 Tea break

11:30 – 12:45 Three parallel sessions

1. How are funders and suppliers openly engaging with communities?

Anna Clements (Snowball Metrics); Gavin Reddick (ResearchFish) & Mike Taylor (Digital Science)

The growth and increasing reliance on the use of metrics has led to increasing discussions on their use, responsibility, calculation and interpretation. In an effort to increase discourse and understanding, funders and suppliers are supporting and leading engagement activities with the different stakeholders. But how successful are these

endeavours, and how can engagement be both productive and innovative? Three long-standing metrics professionals lead a workshop exploring some of the issues.

2. Introducing research evaluation to early career researchers

Katie Evans (University of Bath) & Ray Kent (Royal Veterinary College)

This workshop will consider how bibliometric practitioners and other research support professionals can raise the awareness of Early Career Researchers as to the use of bibliometric indicators ('metrics' — whether open or otherwise) in shaping their careers. This could be in terms of how they are assessed by senior academics — for example, when applying for a job, seeking a research grant or fellowship, or simply as part of institutional culture — or in connection with their own publishing strategy and efforts to make their research more visible to others. The workshop will be based around short, provocative presentations introducing a scenario or questions, followed by small group discussion. A key outcome will be for participants to understand how they can play a part in creating and nurturing an institutional culture that is supportive and encouraging for all researchers, but particularly for those at the very beginning of their careers.

1. Case studies of measuring open impact in non-academic sectors

Andrew Clark (UCB) & Philip Horgan (Open Data Institute)

This session will look at how two very different organisations promote openness and the ways in which they measure the impact of this work. Andrew Clark from UCB will give an introduction to open access and open source in the pharmaceutical industry, highlighting cross-industry collaborations and their use of open metrics. Philip Horgan will then introduce the Open Data Institute's innovation programme, which aims to promote value from data across industries. He will give examples of the methods they have used to measure impact of the various projects within the programme. After these presentations, there will be an open discussion, looking for lessons that can be learned from organisations outside of Higher Education, and ways to broaden the reach of the open metrics community.

12:45 – 13:30 Lunch

13:30 – 14:00 Feedback from parallel sessions

14:00 – 15:00 Lightning talks

1. What can(not) a national library do about scientific information and open access: a Croatian example.
Ivana Čadovska (National and University Library in Zagreb)
2. Opening up hidden metrics, *David Sommer (Kudos)*
3. Using open citation data to identify new research opportunities, *Stephen Pearson (University of Manchester)*
4. Code of practice for research data usage metrics, *Lorraine Estelle (COUNTER)*
5. Measures of open research at City, *Diane Bell (City University)*

6. The value of open metrics: a commercial perspective, *Mike Taylor (Digital Science)*
7. Semantometrics: Moving beyond contribution, *Dasha Herrmannova (Open University)*
8. Peer review and citation data in predicting university rankings, *David Pride (Open University)*
9. Using open NIH PubMed data, *Ian Rowlands (King's College)*

15:00 – 15:30 Tea break

15:30 – 16:30 Panel: Thinking globally about research evaluation: Common challenges, common solutions?

Stephen Curry (Imperial College), Ian Rowlands (King's College), and Kate Williams (Harvard University/Cambridge University). Chair: Lizzie Gadd

As bibliometric practitioners our primary goal is to serve our local communities - to teach and advise on bibliometrics and ensure the provision of responsible bibliometrics for internal evaluation activity. However, it soon becomes clear that serving our local communities requires us to engage more widely. We need to engage with funders, rankers and national research assessment exercises that may not always assess our research and researchers fairly. We need to engage with vendors and bibliometric scholars whose tools and indicators might not support the analyses we want to perform. In fact it soon becomes clear that to serve our local communities we need to engage nationally and internationally to effect change in research evaluation culture, and to learn from others and share best practice. In this panel session, experts explore the main research evaluation challenges we face and to what extent these may benefit from internationally 'joined-up' solutions. The panel will then discuss how we might effect change in these areas and how bibliometric practitioners can play their part.

16:30 – 16:45 Summary and close

Karen Rowlett (University of Reading)