The Future of Research Evaluation

This survey is about your knowledge and practice of bibliometrics and use of and familiarity with the LIS-Bibliometrics Competency Model (https://thebibliomagician.wordpress.com/competencies/). In addition, we would like to know what your future needs in terms of training and competencies development are.

Your input will be used to plan a possible revision or a new presentation of the model and the combined and anonymised answers may be presented at the LIS-Bibliometrics 10th Anniversary Event in Leeds (March 2).

The survey has been cleared by the Ethics Committee at the University of Sheffield.

Researchers

Hannelore Vanhaverbeke, hannelore.vanhaverbeke@kuleuven.be (mailto:hannelore.vanhaverbeke@kuleuven.be), KU Leuven

Barbara Lancho Barrantes, B.S.Lancho-Barrantes@leeds.ac.uk (mailto:B.S.Lancho-Barrantes@leeds.ac.uk), University of Leeds

Andrew Cox, a.m.cox@sheffield.ac.uk (mailto:a.m.cox@sheffield.ac.uk), The Information School, University of Sheffield

Purpose of the research

The research is to gather data about the practice and knowledge of bibliometrics and awareness and use of the lis-bibliometrics comptencies model.

Who will be participating?

We are inviting anyone whose job involves bibliometric work to participate.

What will you be asked to do?

We will ask you to complete a questionnaire which asks you about you and your work and your use/evaluation of the competency model.

What are the potential risks of participating?

The risks of participating are the same as those experienced in everyday life.

What data will we collect?

The data are your responses to the questions.

What will we do with the data?

Your questionnaire responses will be saved to the School's Research Data drive. They will be analysed on password protected computers, by the research team only.

Will my participation be confidential?

Responses to the questionnaire will not be attributed to any individual or institution. Any identifying information will be excluded for analysis.

What will happen to the results of the research project?

The results of this research may be reported in journal papers and at a future lis-bibliometrics event.

What is the legal basis for processing your personal data?

The University of Sheffield will act as the Data Controller for this study. This means that the University is responsible for looking after your information and using it properly. In order to collect and use your personal information as part of this research project, we must have a basis in law to do so. The basis that we are using is that the research is 'a task in the public interest'.

By clicking through to the survey:

- I confirm that I have read and understand the description of the research project, and that I have had an opportunity to ask questions about the project.

- I understand that my participation is voluntary and that I am free to withdraw at before 28 February 2020 without any negative consequences.

- I understand that if I withdraw I can request for the data I have already provided to be deleted, however this might not be possible if the data has already been anonymised or findings published.

- I understand that I may decline to answer any particular question or questions, or to do any of the activities.

- I understand that my responses will be kept strictly confidential, that my name or identity will not be linked to any research materials, and that I will not be identified or identifiable in any report or reports that result from the research, unless I have agreed otherwise.

- I give permission for all the research team members to have access to my responses.

- I agree to take part in the research project as described above.

Note: Further information, including details about how and why the University processes your personal information, how we keep your information secure, and your legal rights (including how to complain if you feel that your personal information has not been handled correctly), can be found in the University's Privacy Notice https://www.sheffield.ac.uk/govern/data-protection/privacy/general (https://www.sheffield.ac.uk/govern/data-protection/privacy/general).
If you have any difficulties with, or wish to voice concern about, any aspect of your participation in this study, please contact Dr Paul Reilly, Research Ethics Coordinator, Information School, The University of Sheffield (ischool_ethics@sheffield.ac.uk (mailto:ischool_ethics@sheffield.ac.uk)).

There are 26 questions in this survey.

I am based in (country) *

Please write your answer here:

I work in *

❶ Check all that apply
Please choose **all** that apply:

☐ A library in a Higher Education Institution

☐ A research/grant office in an HEI

☐ A bibliometrics unit (e.g. affiliated with research office but staffed by Library staff)

☐ A planning office in an HEI

☐ A research group using bibliometric methods

☐ A university, teaching bibliometrics to students, as a lecturer/professor

☐ A national research laboratory

☐ A bibliometrics company

☐ A publisher

☐ An R&D company

☐ Another non-academic sector organisation

☐ Other: [   ]

I support

❶ Check all that apply
Please choose **all** that apply:

☐ All subject disciplines

☐ Social sciences and/or humanities

☐ Life sciences

☐ STEM

☐ Other: [   ]

I started my job in bibliometrics *

❶ Choose one of the following answers
Please choose **only one** of the following:

◯ having taken a course specifically in bibliometrics

◯ without specific training

I have a degree in Library and Information Sciences

Please choose **only one** of the following:

◯ Yes

◯ No

My role in my team is

❗ Check all that apply
Please choose **all** that apply:

☐ Bibliometrics expert (bibliometrician)

☐ Assistant

☐ Advisor

☐ Manager (organizing tasks but not exclusively about bibliometrics)

☐ Other: [_____]

My main activities are *

❗ Check all that apply
Please choose **all** that apply:

☐ Advising researchers about metrics

☐ Training researchers

☐ Advising policy makers within the institution

☐ Advising policy makers regionally/nationally

☐ Data wrangling/ data analysis/ data reporting/data visualisation

☐ Creating bibliometrics reports

☐ Running bibliometrics reports

☐ Advocacy for Responsible metrics

☐ Implementing DORA/Leiden Manifesto/Metric Tide report

☐ Communicating to non-experts the relevance of bibliometrics

☐ My job does not currently involve bibliometric work

☐ Other: [_____]

I use the following data sources and bibliometric tools

❗ Check all that apply
Please choose **all** that apply:

☐ Web of Science

☐ Scopus

☐ Dimensions

☐ Google scholar

☐ Microsoft Academics

☐ Incites

☐ SciVal

☐ Publish or Perish

☐ Other: [_____]

I use the following indicators regularly

❗ Check all that apply
Please choose **all** that apply:

☐ Number of publications

☐ Journal level indicators (Impact factors, SNIP, …)

☐ Article level indicators (citations, …)

☐ Researcher level indicators (h-index, …)

☐ Field-normalised indicators

☐ Altmetrics

☐ Usage statistics (views, downloads, …)

☐ Outputs other than publications

☐ Other: [_____]

Bibliometrics takes up about … % of my time *

❶ Choose one of the following answers
Please choose **only one** of the following:

- ◯ 0-25%
- ◯ 26-50%
- ◯ 51-75%
- ◯ 76-100%

I have been working with/on bibliometrics for … *

❶ Choose one of the following answers
Please choose **only one** of the following:

- ◯ < 5 years
- ◯ 5-10 years
- ◯ > 10 years

I have participated in events, conferences, workshops, etc about Bibliometrics (fill out with an example)

Please write your answer here:

[   ]

I was aware of the Competence Model for Bibliometric Work before this survey *

Please choose **only one** of the following:

- ◯ Yes
- ◯ No

I learned about the Model through *

Only answer this question if the following conditions are met:
Answer was 'Yes' at question '13 [B1]' (I was aware of the Competence Model for Bibliometric Work before this survey)

❶ Choose one of the following answers
Please choose **only one** of the following:

○ LIS-Bibliometrics mailing list

○ Innovative Metrics Working Group - LIBER

○ INORMS

○ ARMA/EARMA

○ IWETEL

○ ISSI mailing list

○ Through a colleague

○ Other [   ]

The model contributes by (1 = strongly disagree; 5 = strongly agree)

Only answer this question if the following conditions are met:
Answer was 'Yes' at question '13 [B1]' (I was aware of the Competence Model for Bibliometric Work before this survey)

Please choose the appropriate response for each item:

	1	2	3	4	5
helping individuals to assess their own bibliometric skills and identify training needs to fill the gaps in their knowledge	○	○	○	○	○
helping organisations in staff appraisal and to develop training programmes and support their staff in developing the necessary bibliometric skills	○	○	○	○	○
helping Information Schools plan programmes of study to ensure tomorrow's information professionals have the necessary bibliometric skills	○	○	○	○	○
Distributing work and roles among team members involved in Bibliometrics (remits, skills, tasks, knowledge…)	○	○	○	○	○
contributing to more effective and productive workflows	○	○	○	○	○
extending our remit in order to offer more advanced support to the institutional level	○	○	○	○	○

	1	2	3	4	5
revealing gaps in knowledge in the team for recruitment purposes	◯	◯	◯	◯	◯

The model contributes in another way (please specify)

Only answer this question if the following conditions are met:
Answer was 'Yes' at question '13 [B1]' (I was aware of the Competence Model for Bibliometric Work before this survey)

Please write your answer here:

[   ]

I have used this model to

Only answer this question if the following conditions are met:
Answer was 'Yes' at question '13 [B1]' (I was aware of the Competence Model for Bibliometric Work before this survey)

❶ Check all that apply
Please choose **all** that apply:

☐ Assess my own bibliometric skills and identify training needs to fill the gaps in my knowledge

☐ Develop training programmes and support staff in developing the necessary bibliometric skills

☐ Plan Information Schools programmes of study to ensure tomorrow's information professionals have the necessary bibliometric skills

☐ Identify the new skills to develop in the team

☐ Write job specification for recruitment

☐ None of the above

☐ Other: [   ]

If you have used it in one of these ways: can we contact you to learn more about your experience? In so, please leave your email

Only answer this question if the following conditions are met:
Answer was 'Yes' at question '13 [B1]' (I was aware of the Competence Model for Bibliometric Work before this survey)

Please write your answer here:

I am planning to use the model in the future (please specify in which activity):

Only answer this question if the following conditions are met:
Answer was 'Yes' at question '13 [B1]' (I was aware of the Competence Model for Bibliometric Work before this survey)

Please write your answer here:

Based on the competencies model I would consider my current bibliometric tasks to be at

❶ Choose one of the following answers
Please choose **only one** of the following:

◯ Entry level

◯ Core level

◯ Specialist level

How can you help other members in your team be more aware of this model? (please specify how would you like to do it)

Please write your answer here:

I would score the model as follows (1 = very low; 5 = very high) *

Please choose the appropriate response for each item:

	1	2	3	4	5
completeness	○	○	○	○	○
up to dateness	○	○	○	○	○
user friendliness	○	○	○	○	○
applicability	○	○	○	○	○
essential	○	○	○	○	○

Competencies on the following topics should be added to the model:

❶ Check all that apply
Please choose **all** that apply:

☐ Tools for bibliometric analysis (software such as Python, R; statistics…)

☐ Visualisation tools

☐ Ways to demonstrate impact in and beyond academia

☐ Other:

I use the following software/methods regularly

❶ Check all that apply
Please choose **all** that apply:

☐ Statistics

☐ Data manipulation

☐ Data mining

☐ Python or other programming languages

☐ SQL

☐ Tableau

☐ R

☐ Natural language processing

☐ Excel

☐ Access

☐ Use of API

☐ JSON, Sparkl

☐ VOSViewer

☐ Pajek

☐ BibExcel

☐ Altmetrics

Which topics are you most interested in learning more about? *

❶ Check all that apply
❶ Please select at most 5 answers
Please choose **all** that apply:

- ☐ Bibliometrics indicators
- ☐ Statistics
- ☐ Data manipulation
- ☐ Data mining
- ☐ Python or other programming languages
- ☐ SQL
- ☐ Tableau
- ☐ R
- ☐ Natural language processing
- ☐ Advanced Excel
- ☐ Access
- ☐ Use of API
- ☐ Visualisation tools
- ☐ Responsible metrics
- ☐ Implementing DORA/Leiden Manifesto/Metric Tide report
- ☐ Communicating to non-experts the relevance of bibliometrics
- ☐ Transparency of reportings vs confidentiality/sensitivity of data
- ☐ Teaching bibliometrics
- ☐ Data citation
- ☐ Other: _____

If training was organised I'd prefer *

❶ Check all that apply
Please choose **all** that apply:

☐ Live webinars

☐ Recorded videos

☐ Physical attendance

☐ Reading lists

☐ Interactive tool with exercises

☐ Other: [ ]

Thank you for participating in the survey. Initial results may be reported at the next lis-bibliometrics event or discussed on the bibliomagician web site.

Submit your survey.
Thank you for completing this survey.