

An Evolution of Bibliometrics and Research Impact Services

Presentation for CNI Fall 2020 Virtual Meeting

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Presenters

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What are bibliometrics?

Bibliometrics serve as one tool, among many, used by universities, funders, ranking organizations, and others to measure research outputs.”¹

Problem space:

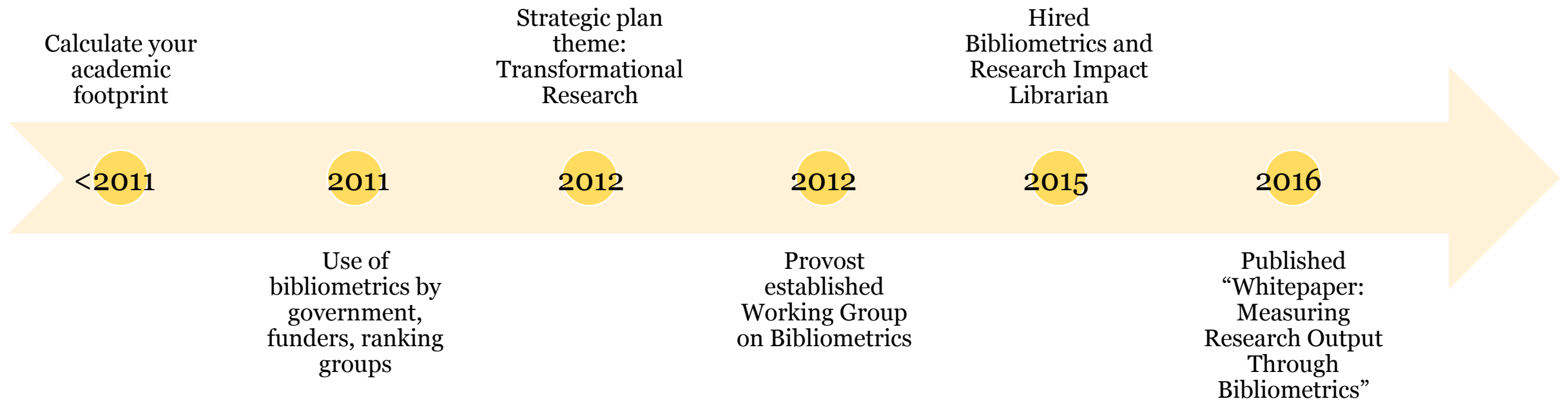
- § Tracking research, scholarship, creative activity
- § Tell our story, promote, amplify
- § Connecting research:
 - § Researcher-to-researcher
 - § External-to-researchers

Limitations

- § Only part of the picture
- § Dataset Limitations
- § Discipline discrepancies
- § Diversity Equity and Inclusion (EDI) in citation practice

1. University of Waterloo Working Group on Bibliometrics, Lauren Byl, Jana Carson, Annamaria Feltracco, Susie Gooch, Shannon Gordon, Tim Kenyon, Bruce Muirhead, Daniela Seskar-Hencic, Kathy MacDonald, M. Tamer Özsu, Peter Stirling (2016). White Paper: Measuring Research Outputs Through Bibliometrics. UWSpace. <http://hdl.handle.net/10012/10323>

Getting started with bibliometrics and research impact at the institutional level



Raise your hand

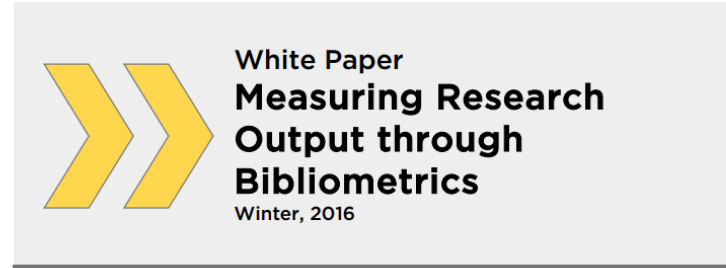
§ To your knowledge does your institution offer any bibliometrics services?

§ If you're unsure, share that in the chat.

White paper and consultation

§ Key messages

- § Work from a basket of measures
- § Involve those being measured
- § Appropriate use & limitations
- § Understand disciplinary cultures
- § Do not compare across disciplines



DOI: 10.13140/RG.2.1.3302.5680



New specialization: Bibliometrics and Research Impact Librarian



Key partnerships

- Institutional Analysis and Planning
- Office of Research
- Liaison Librarians

Key roles

- Campus strategic advice
- Data analysis & replication
- Education
- Vendor relationships

Why the library?

- § Deep knowledge of bibliographic data and tools
- § Expertise across various points of the research lifecycle and scholarly communication
- § Awareness of disciplinary limitations
- § Long history of liaising with both academic support units and faculties
- § Viewed as “neutral” - no stakes in the impact data



Impact on the library



Partnership building



Raises profile on campus



Engagement and opportunities



Evidence based collection analysis

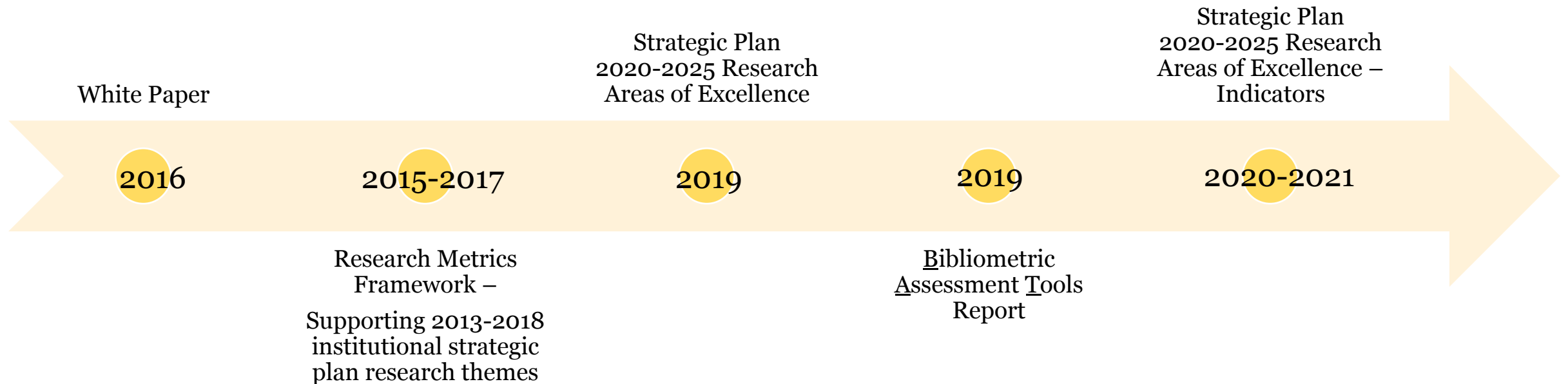
Enter in the Chat

For those institutions who have some formal bibliometrics service:

- 1) Where are the services centralized?
- 2) Who are your key partners?

Evolution of Bibliometrics at UWaterloo

Working Group on Bibliometrics:



Evolution of Bibliometrics at UWaterloo

Community of Practice (est. 2020)

- § Informal
- § Open to anyone at UWaterloo
- § Training and sharing knowledge
- § Presentation/discussion format
- § Currently 35+ members, 13-16 ppl per meeting so far



Evolution of Bibliometrics at UWaterloo

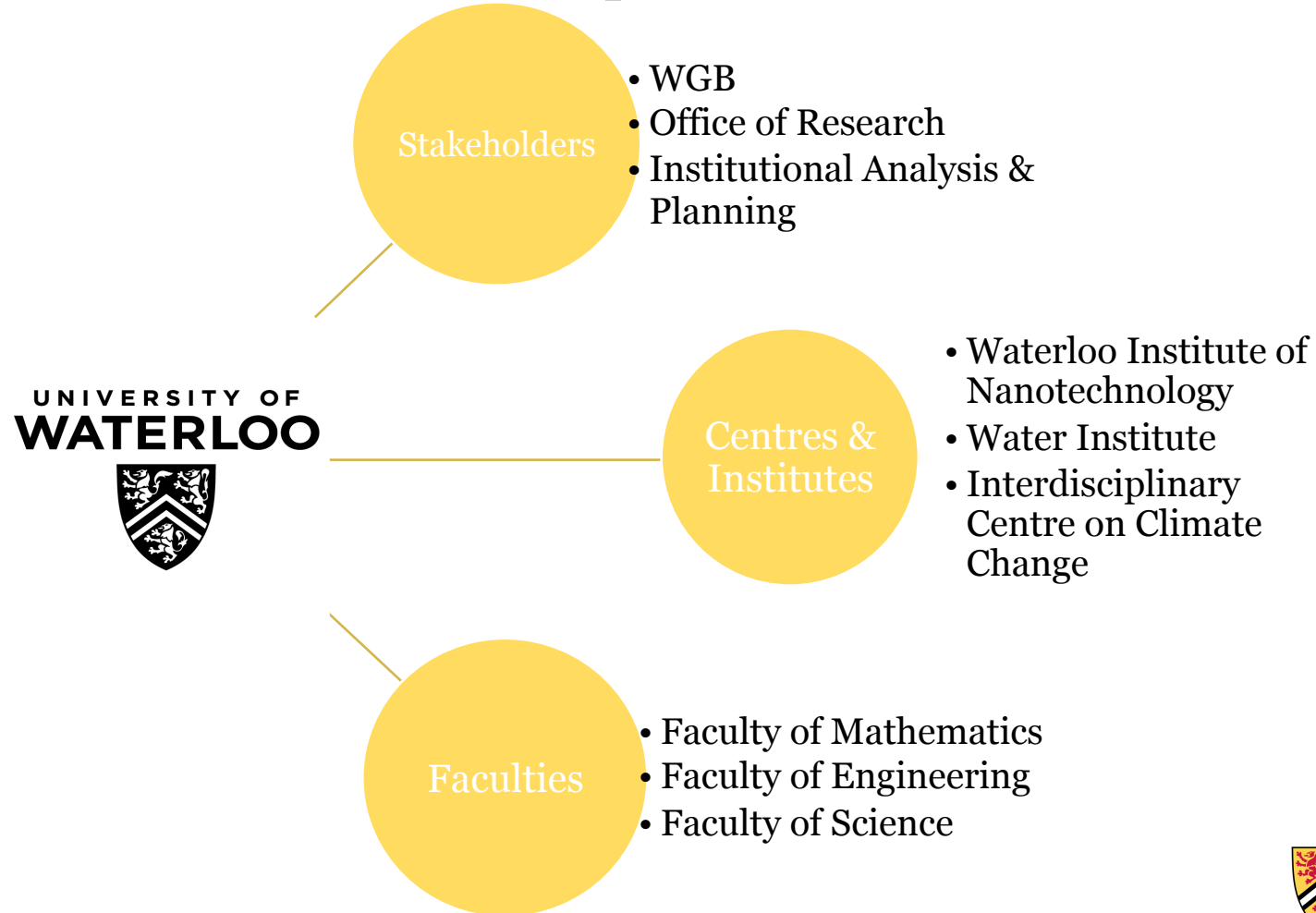
Community of Practice (est. 2020)

- § Members identified learning from others (and their mistakes) was key
- § Wanted a balance of training and discussion
- § Specific topics and training needs discussed each meeting
- § Presentations on:
 - § Disciplinary metrics using SciVal
 - § Recent articles on Bibliometrics
 - § Methodologies generating metrics
 - § History of bibliometrics at UW
 - § Pure (CRIS – Current Research Information System)



Evolution of Bibliometrics at UWaterloo

Expansion of bibliometrics skills across campus



What we don't do

§ Individual level consultations – some exceptions

§ Most often this can be supported through liaison librarians, depending on complexity of the question and comfort level of the liaison.

§ General instruction programs

§ this may change over-time. Ex. Development of asynchronous tutorials

Enter in the Chat

§ What types of bibliometrics services do you offer?

THANK YOU

Questions?

Resources

- § The White Paper, "Measuring Research Output Through Bibliometrics", provides a high-level review of bibliometrics, and provides recommended practices for working with bibliometric data. DOI: 10.13140/RG.2.1.3302.5680
- § Bibliometrics and Research Impact Librarian, Job Description
<https://hr.uwaterloo.ca/.jd/00006514.pdf>
- § BRI Guides from Uwaterloo -
https://subjectguides.uwaterloo.ca/prf.php?account_id=12924
- § The Bibliomagician Blog - <https://thebibliomagician.wordpress.com/>
- § Discussion List: Lis-Bibliometrics
<https://www.jiscmail.ac.uk/cgi-bin/webadmin?Ao=LIS-BIBLIOMETRICS>