Bibliometrics & Research Impact Conference 2018 - ***TUESDAY MAY 15th***	
Arrive & meet other attendees 8h30 - 9h00	
Welcome and overview of the day	
Ethics in researcher Impact Services in Uottawa **Jeanette Anne Hatherill** University of Ottawa 9h15 - 9h40	Universities are increasingly requiring researchers to demonstrate their impact through quantifiable measures or metrics and in response bibliometric tools and services are being established or investigated by university and library administrations. In this context, libraries are starting to position themselves as experts on campus to provide this "value added" service, citing their experience with and involvement in managing scholarly outputs. There exists, however, a not insignificant pushback on the part of some faculty regarding the "publish or perish" culture and the reduction of scholarship to countable bits. As librarians are also often faculty members with their own research agendas and may share this critical view of the corporatization of the academy, there is a professional tension that deserves exploration. This short presentation will explore these tensions, discussing potential conflicts of interest and ethical questions that may arise when providing bibliometric services. It will also explore how some groups are proposing values-based evaluation as a counter to quantifiable metrics.
Sleeping Beauties at Waterloo **Jeffrey Demaine** University of Waterloo 9h45 - 10h10	An academic article is normally cited within a few years of publication, after which interest falls off as the research field moves on. However, sometimes an article is ignored for many years only to attract interest after a long dormant period. This is quite unusual. I have identified a handful of such "*Sleeping Beauties*" in the publications of faculty at the University of Waterloo. Not only does this reveal the legacy of some of UW's research, it presents an opportunity for the university to highlight faculty who were ahead of their time.
Pause-café 10h15-10h30	
Hands-on workshop **Brooke Struck** Science-Metrix 10h35 - 11h15	Collection management is a key challenge for academic librarians, who seek to provide the optimal resources to serve the researchers in their institutions. Bibliometric data can be used in several ways to inform collection-management decisions. Furthermore, the value of download data, which are routinely collected by libraries, is greatly increased when integrated with bibliometric data. Combining this information with download data at the journal and providers' platform level, librarians can identify which parts of their collection deliver key value to library users. Analyzing these integrated data reveals patterns across the research cycle, from downloading and consulting articles from specific journals/collections/research topics, to citing that literature and making original contributions, to one's own work eventually having an impact on subsequent work. These indicators can be used (either individually or combined in a synthetic usage index) to help identify components of a library collection that are of demonstrable value to its users. Along with other lines of evidence, and using expert judgment, these data can provide valuable

	input into decisions about subscriptions and collection management. Additionally, assessing the viability of various substitution strategies (such as using articles from aggregators or alternative sources of journal subscriptions, or substituting with open access content) enables librarians to assess the costs and benefits of various strategies they might pursue in managing their collection. This hands-on workshop will introduce librarians to two tools that they can use to integrate bibliometrics with internal data to inform decisions about collection management: 1figr Institution and 1figr Subscription (both products of 1science). The aim of the workshop will be to present the tools and gather feedback about how to align them even better with the day-to-day needs of users, in the spirit of Open Innovation.
Data visualization **Janice Kung & Thane Chambers** University of Alberta 11h20 - 12h00	Data visualization demonstrates the significance of what data is telling us in a visual way such as through graphical forms, charts, or maps. The data retrieved from citations, journal impact factors, and other scholarly metrics can benefit from data visualization techniques to identify patterns and trends that may not easily be recognizable in text format. There are a number of data visualization tools that exist and, in our presentation, we will introduce Datawrapper, VOSviewer, Google Maps, Tableau, and others. We will demonstrate the practical applications of these tools by sharing research impact reports created for health sciences faculties at the University of Alberta as case studies. The strengths and weaknesses of each tool will also be conveyed.
Lunch (catered) 12h00 - 13h00	
Tracking academic research cited in patents **Michael White** Queens University 13h05 - 13h45	Universities, funding agencies and policy makers are increasingly interested in the impact of academic research on innovation, entrepreneurship, and economic development. On common method of measuring this impact is by tracking journal articles and other forms of non-patent literature (NPL) cited in patent documents. However, this approach is complicated by the fact that NPL citations in patents are inconsistently formatted, often incomplete, and inadequately indexed in most patent databases. Consequently, manual searching of NPL citations can be tedious, inefficient, and error prone. Recently, new search tools have been developed that aim to overcome these problems. This paper will describe and compare NPL citation search methods in several patent office databases and open access patent search tools. Using NPL examples from Canadian universities, the effectiveness and accuracy of each method will be evaluated and discussed.
Implementing SciVal at a public sector research Library **Beeta Pach** Public Health Ontario 13h50 - 14h15	We would like to share our experience as a case study in engaging internal stakeholders on bibliometrics, and offer a discussion of the ways that research impact resources can be applied in a setting outside of academia and across subject domains. Public sector expectations regarding impact challenge the use of some established metrics, as does an institutional focus. Describing our implementation of the SciVal resource at PHO will give an opportunity to examine these unique aspects of research impact at the organizational level, as well as provide practical advice on research impact activities in a non-academic library.

B-index for Law professors **Susan Barker** University of Toronto 14h20 - 14h45	This presentation will introduce the community to, and ask for feedback, on a proposed standard metric and methodology for assessing the academic, judicial and social impact of legal scholarship that I have recently developed. Legal academics are notoriously resistant to metrics in any form and understandably so. Law professors are not simply academics with influence only over other academics; their influence extends to the profession of law as well as to society as a whole. Their research may be cited by the courts or in public policy documents as well as in academic literature. Unfortunately, current metric measures like the H-index do not take these areas of influence into consideration and do not serve the legal profession well. As part of a research leave project I developed a proposed a standard metric for legal academics that would measure academic, judicial and social impact through a combination of quantitative and qualitative measures that I would like to present to the group for discussion and feedback.
Pause-café 14h45-15h	
Implementing Elsevier's PURE system at Waterloo **Neil McKay** University of Waterloo 15h05 - 15h30	A new breed of enterprise-level solutions that aggregate research outputs for management purposes, *Current Research Information Systems* (CRIS) exist at the intersection of a university's Institutional Repository, Research Administration, Human Resources, and Bibliometrics systems. The University of Waterloo is in the process of implementing the PURE CRIS. Neil presents the successes and pitfalls of trying to integrate such a system on campus from a project-management perspective.
Beyond evaluation into predictive analytics **Ahmed Abdelnaby** Elsevier 15h30 - 16h00	This presentation will demonstrate recent advances in the use of metrics to model the global research landscape. Using a high-performance computing cluster analysis and direct citation links, this approach tracks over 8500 institutions' performance in approximately 100,000 individual research topics. The analysis utilizes all of the nearly 70M indexed papers in the Scopus database, which indexes 23,000+ active scientific, social scientific, and A&H journals in all research topics. Because of computing limitations, previous analytical approaches were unable to model the entire global corpus of literature. This new analysis allows universities, industries, and government funding agencies and policymakers to closely understand and track their research strengths and weaknesses, as well as to identify research opportunities and competitive threats, and to benchmark their performance against peer institutions and other countries. Insights gained from this analysis can be used for a variety of purposes, from tracking advances in critical technologies to determining the right academic or industrial partner to develop new technologies, products, and services. The presentation will include example use cases and a short system demonstration.
Wrap-up 16h00-16h30	
Happy hour event 17h-19h	

Bibliometrics & Research Impact Conference 2018 - ***WEDNESDAY MAY 16th***	
Arrive & meet other attendees 8h30-9h00	
Welcome and overview of the day	
How B&RI is currently being applied at the National Research Council of Canada **Dominique Charbonneau & Maude Lethiecq-Normand** NRC 9h10 - 9h50	Dominique and Maude will present two cases where bibliometrics indicators were used to meet NRC's operational requirements. The first case will demonstrate how bibliometrics are used for the internal evaluation of research programs and the second case will demonstrate how bibliometrics are used to assist in building research partnerships with other organizations. Both cases will show how innovative approaches helped avoid the different pitfalls each project faced. These case studies also highlight the critical role of client education to raise the awareness on best practices and proper use of bibliometrics. The tools NRC-NSL uses for bibliometric analyses will also be briefly discussed.
Academic library system for BRI metrics service **Thane Chambers** University of Alberta 10h00 - 10h30	Over the course of six months, a cross-disciplinary team of academic librarians at the University of Alberta Libraries worked together to develop a research metrics service model that is currently being rolled out. This process involved a careful consideration of the current local, national, and international research metrics landscape; ethics and policies; training needs; staff development and capacity; pragmatic considerations around time and workload; and the strategic priorities of the Library and the University. This presentation will discuss what we learned about the different potential existing research metrics service models. And how we ended up using our institutional and outside knowledge to create a unique service model. It is hoped that this model will build sustainable capacity by creating a centrally coordinated team, led by a research impact librarian. The service model will allow us to move from a practice dependent upon individual subject librarian knowledge that provided uneven service, to a responsive centralized model where in depth expertise can be shared and developed among a group of librarians.
Pause-café 10h30 - 10h45	
Narratives of Science outreach via Social Media **Yongtao Lin** Natural Resources Canada 10h50 - 11h30	The Third Biennial Plan to the *Open Government Partnership 2016-18* focuses on building the culture and capacity for Open Government. The public availability of scientific data and publications requires enhanced communication and public engagement with Canadians. Many have suggested that social media activities raise scientists' profiles, providing broader view of research impact in public, government and business. The present study aims to further examine complex interactions of social media presence with bibliometric factors across two science disciplines. Results will enhance our understanding of which communities are discussing what research, and how they interact. The characterization of the papers that have received both high social mentions and citation counts in two science disciplines will shed some light for scientists and

	government agencies on a successful strategy to optimize science outreach to their target audiences.
Profiling of International Collaborations **Élise Anne Basque & Christine Brodeur** École Polytechique 11h35 - 12h00	Over the last two years, we have been analyzing international collaborations for the *Bureau des relations internationales* (BRIN) at our institution, Polytechnique Montréal. We use Web of Science functionalities to extract and to analyze our publications written in collaboration with a given country or institution. Depending on the request, we highlight partnerships with institutions or individual professors and present them in the form of tables and text. Our bibliometric approach is not typical, but we found that the information we provide is valuable to our institution in organizing international meetings and activities.
Lunch (catered) 12h00 - 13h00	
Researchers metrics database **Carole Brault** CHUQ - Université Laval 13h05 - 13h30	Following the merger of five Quebec City hospitals to form the CHU de Québec-Université Laval, all research activities previously hosted in each hospital came together as the Centre de recherche du CHU de Québec-Université Laval. Yearly, research administration compiles data on the research activities of our research center : number of graduate students supervised by our researchers (Université Laval professors), amounts of funding received, number of papers published, etc. Almost 30 years ago, one of the founding research centers' administration developed a tool (point-system) to evaluate research activities for all its research departments. This tool took into account all aspects of research, including publishing. To entice researchers to publish in « better » journals, the SCI Journal Impact Factor (JIF) was incorporated into the system (articles published in journals of higher impact factor were allotted more points). In recent years, in a search for a better performance indicator for publications, we have moved away from JIF. We believe that the number of times a paper is cited to be more indicative of its impact. The research center's administration maintains a database now containing over 20,000 references to articles published by its researchers, going back to the early '60s. This database is updated semi-automatically based on data from Google Scholar. Citation count retrieval with Google Scholar for a large number of references is however very much time consuming (human and machine). We are therefore always looking at ways to improve the procedure we developed as well as other citation tools.

Dimensions.ai: Connecting the dots **Sara Rouhi** Dimensions.ai 13h35 - 14h30	This presentation will be an introduction to the new Dimensions platform recently launched by Digital Science in January 2018. This linked research knowledge system connects six vital (and often silo-ed and expensive) sets of research objects that are essential to evaluating research impact and reach: awarded grants, publications (closed and OA), clinical trials, patents, datasets, and policy documents. In addition to connecting these never-before-linked objects, the platform disambiguates researchers and institutions, categorizes at the research object level, and has its own unique, community-driven citation and Altmetric data. Dimensions is a community-driven endeavor (100+ dev partners and 6 Digital Science companies) meant to unchain and modernize the research evaluation landscape -- making easy-to-gather data (like citations) freely available while responsibly charging as little as possible for the analytics and insights that could sit atop that data. The three main goals of Dimensions are: - Pulling citation data out of non-interoperable and expensive silos - Encouraging *contextualized* impact assessment that looks beyond just citation counts - Facilitating holistic evaluation by linking the parts of the research lifecycle
Pause-café 14h30-14h45	
Our Data, Your Role: How does Web of Science data help you achieve research management goals? **Marisa Ruccolo** Clarivate 14h50 - 15h35	In this panel, we want to share some of our users' experiences and how they navigate through the growing demand to track and measure scholarly output and its impact within their institution. How do they proceed to collecting and using the data for the myriad of purposes towards their institution's research management activities, including strategic planning in a near or broader future? This panel aims to bring our speakers' experiences and exchange with BRI's attendees having similar tasks, with its objectives and challenges. From faculty recruitment to funding decisions or simply to monitor ranking amongst their peers, we want to exchange ideas on bibliometric analysis with Clarivate's tools and how important is it to educate your research community on what they can bring. From the Web of Science Core Collection to InCites' Journal Citation Reports, Essential Science Indicators and InCites Benchmarking & Analytics, come and share methodologies and solutions to reach your research evaluation goals.
New repository strategies for research impact **George Duimovitch** Carleton University 15h40 - 16h05	Libraries have number of direct and indirect ways through which we can support research impact. This talk will focus on how a repository strategy can be situated in between traditional open access and new approaches to give visibility to both open and non-open access works. We'll highlight how the impressive oaDOI service from ImpactStory can be used to maximize open access coverage of your faculty, and we'll show how we use persistent identifiers to improve the success of ORCID adoption. We'll also report on some new success with emerging organizational identifiers.
Wrap-up 16h00-16h30	