Recent use cases of bibliometric data and metrics in Japan to evaluate impact of scholarly output

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Keynote Speakers

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Short Biography

Ryo Sato is a Solution Consultant of Research Intelligence Solution at Elsevier Japan K.K. He supports research assessment, planning, and marketing activities of many universities and companies in Japan by providing training and consultation of analytical solutions such as Scopus, SciVal, and PlumX. Scopus is a source-neutral abstract and citation database curated by independent subject matter experts. It places powerful discovery and analytics tools in the hands of researchers, librarians, institutional research managers and funders. SciVal is a web-based analytics solution with unparalleled power and flexibility that provides comprehensive access to the research performance of over 14,000 research institutions and their associated researchers from 230 nations worldwide by analyzing data in Scopus. PlumX provides insights into the ways people interact with individual pieces of research output (articles, conference proceedings, book chapters, and many more) in the online environment and integrated to Scopus.

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Abstract

How bibliometric data and metrics are being used to evaluate impact of scholarly output is changing rapidly in Japan. For instance, metrics based on academic citations are recently used for assessment of research activities because the Government of Japan is asking for EBPM (Evidence Based Policy Making) for universities and academic communities in their latest Science and Technology Basic Plan. Besides, new data and metrics to evaluate impact of scholarly output have been developed to overcome the limitations of assessment by academic citations. The aim of this presentation is to share these recent use cases of bibliometric data and metrics in Japan to evaluate impact of scholarly output. This presentation consists of two parts. In the first part, I will introduce recent use cases of data and metrics of academic citations in Scopus. For instance, Field Weighted Citation Impact (FWCI) is used to compare the impact of scholarly output among different subject areas. CiteScore is used not only to assess journal impact but also to estimate citation impact of recent publications in the future. In the second part, I will discuss new use cases of non-academic citations and other impact metrics in PlumX. For instance, citations by patents and media mentions are adopted to evaluate economic and societal impact of scholarly output. Moreover, the number of views and downloads of publications are used as reference for forecasting citation impact of recent publications in the future.