The use of bibliometrics to enhance visibility in Aix-Marseille University

“Bibliometrics can monitor how disciplines evolve, identify collaborative networks and estimate the AMU researchers’ work impact.”

Aix-Marseille University (AMU) opened on January 2012 following the merger between the 3 former universities of Aix and Marseille.

Largest university of France by the number of its students and staff and by its budget, Aix-Marseille University is also the first French-speaking university. Ranked among the eight French excellence sites, so-called "intensive research ", AMU draws its strength from a structured and multidisciplinary research potential.

The Research and Technology Transfer Department is responsible for implementing the institution policy in terms of research and development. It is composed of 40 people who provide the administrative management of the 130 research structures, following them in their contractual management and contribute to place the potential of AMU at the highest national and international levels.

Within the administration and research division, the "bibliometrics" new cell ensures the monitoring of the AMU scientific production. It studies the criteria used by the international rankings to improve its global positioning: monitoring of publications, reporting the activity of producers (researchers, laboratories, institutes, etc.) or broadcasters of the scientific information (periodicals, publishers, etc.), bibliometrics provide indicators and statistical analysis on the publications and co-publications of the AMU with other organizations.
Carine Dou Goarin, holder of a PhD in Information Science and Communication obtained within the university and specialized in technology watch, is in charge of bibliometrics. Her goal is to put in place a method to enhance the teacher-researcher publications and visibility.

The creation of this post meets the need of AMU to control the classification systems and indexes used by the various international rankings in order to better position themselves. Most of the indices directly related to the researchers publications, the most cited researchers in major scientific fields and the total volume of publications.

I mainly attend to scientific publications. This allows following the evolution of the disciplines, identifying collaboration networks of and estimating the impact of the AMU researchers work.

I study heteroeneous databases in the AMU disciplinary areas (WoS, EconLit, GeoRef, Historical Abstracts, PsycINFO, FRANCIS, GreenFILE, SocINDEX with Full Text, Business Source Complete, LISA, PsycARTICLES, SPORTDiscus with Full Text) to analyze the scientific production in order to cross-check the information.

Analyze the corpus of publications of the university provides a perfect knowledge of research centers and collaborations in order to obtain a research mapping.

This statistic operating work of publications provides a better AMU research complete identification and thus to take into account all the scientific production for the research orientations or in international rankings.
Matheo Analyzer is currently used as a comprehensive bibliometric and statistical analyzes tool which perfectly meets the issues encountered. It can process large volume of multisource data, homogenize, view and manipulate the data sets: order, sort, cross, filter, select, refine,...

Matheo Analyzer is used for this type of analysis:
// Evolution of the overall volume of publications
// Journals analysis: document type, Journals with impact factor, Number of citations per year, analysis of the most cited publications
// Publications Keywords : Frequency of keywords, keywords Network Publications
// International collaborations: By country, by geographical area, the Mediterranean area
// Analysis of funding agencies
// "Research Areas” networks

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% 31% 62% 17% 7% 1% 0,06%

Using Matheo Analyzer, bibliometrics, through statistical analysis of publications, measures the scientific output of a country, an institution, a researcher. It provides an additional assessment of scientific expertise.