CRIS2018 extended abstract

Title:

Analyzing a CRIS: From data to insight in university research

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Abstract:

The exponential growth of data from research environments has highlighted the emergence of having best analytical processes for the evaluation and assessment of research and research impact. This paper aims to show how we can work with the data stored in a CRIS, CERIF compliant, to provide the main university insights in the research area.

In this way, working with a CRIS, we can obtain curated information that can help the majority of the stakeholders in the research area, not only researchers, but research managers, librarians and decision-making staff of the university among others. We can create dashboards for the decision-making, indicators for the benchmarking of the institution and other rankings.

It is easy to do when we have the enough maturity in the CRIS system that incorporates the largest number of scientific information of the university, guaranteeing the quality of the information that contains.

SIGMA, has been involved in a success project called openAnalytics, developing an analytical tool for the higher education environment, so we have analytical cubes for research, academic, teaching, scholar, lifelong learning and so on. With this tool the users are able to find insights to assess, evaluate and visualize results.

Focusing in the research area, we have the information structured in some analytical cubes like: scientific production, bibliometrics, project management and so on. So, for example, we can show rapidly the highly cited researchers or the main research trends of the institution, and other calculated rankings. The CERIF compliant model eases the creation of standard indicators and rankings that can be interoperable with other CRIS's.

We will see some examples of how we do it.

Keywords:

Data; insight; university; research; CRIS; CERIF; science; analytical; indicator; dashboard; ranking; analyze; interoperable; standard