



The CRIS at Universidad Carlos III de Madrid: integration and interoperability for increasing the visibility of research outputs.

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The Universidad Carlos III de Madrid is a public university founded in 1989. Over 2,000 professors and researchers are currently developing academic activities.

Its mission is “to contribute to the improvement of society through teaching of the highest quality and cutting-edge research in line with stringent international guidelines”.

The CRIS is a fundamental base of UC3M scientific ecosystem. It plays an essential role as an instrument for controlling and monitoring research activities. Information publicly available is an indispensable showcase for the research visibility and dissemination.

CRIS supports institutional reputation and strategic decision making at UC3M.

The CRIS at UC3M has a private part whose software is Universitas XXI of the company Universitas XXI. It consists of several modules that manage a variety of services of the university. This presentation will focus on the UXXI-IAI module, which is managed by the Research Service, in collaboration with the Library Service. The close collaboration between these two services is key to provide our researchers with an optimal and efficient service.

In the CRIS any researcher can find information related to calls,

projects, etc. Within their publications, any researcher can include his or her activities in UXXI through their profile.

The objective of the CRIS is to gather all the scientific production of our university. It is essential to achieve greater interoperability with other systems for uploading records and information.

Researchers already find a lot of information preloaded in the system: article uploads from Scopus, project information is provided by the project management module, theses are uploaded with data from the Doctoral School and patents with data from the Entrepreneurship and Innovation Support Service.

The Library Service collaborates in the creation, review and enrichment of metadata as well as validating the following document typologies:

monographs, chapters, articles, proceedings and working papers.

The public part of the CRIS at UC3M is the Research Portal, based on the open source software VIVO. The main source of data is Universitas XXI.

It was launched in 2016.

The goal is to provide a tool to explore the R+D+i structure across UC3M, to quickly find experts in a scientific research field and to provide access to their research outputs.

Our aim is to foster access to scientific and research information that will give a quick, dynamic and up to date answer to these 2 questions:

- Who is researching a specific topic?
- What is an expert, group or particular department researching?

The purpose of all this is to facilitate contact among researchers and to boost new ways of collaboration.

The research outputs displayed at UC3M *Research Portal* will respond to the following limits:

- Projects since 2006 (information from research information system).
- Publications (reviewed and validated by the Library Service since 2008).
- Theses since 2008.
- Patents and Software since 2008.

Updates are provided on a monthly basis. The Research Portal provides a snapshot of the current month situation of active researchers and research structures. Therefore, its content may vary from one month to another depending on the activities that have been added and validated during that month and on the researchers' permanence at the university.

As an overview, Research Portal is a project without extra costs (free software + UC3M staff). It allows to disseminate the research lines and topics of UC3M activity in the world. It improves the visibility of the university, facilitates communication between researchers, thus promoting cooperation and networking. It is a driver to UC3M excellence.

REUSE

Ed Simons says that CRIS are like treasure chests of contextual information about institutional scientific activity.

The more complete and enriched the CRIS is, the more possibilities we will have to take advantage of this information.

The key to optimising the use of the resources available to us is to enter the information only once on a platform so that it can be reused in multiple ways.

At our university, the information contained in the CRIS is used in internal management procedures: for strategic planning, for rankings, for the processing of additional rewards for research staff, as a basis for the management of projects such as FOS (Full Open Science) recognition, etc.

The CRIS must also be a memory of all the scientific production of our university over the years.

Researchers can find on this platform their scientific production, research stays, etc., and can generate their curriculum in different formats from their profile.

REUSE AND VISIBILITY

The Annual Research and Transfer Report is published every two years and contains information on researcher categories, projects and funders, research results, technological transfers of the university, etc.

At the same time, a comparison with the previous biennial report can be consulted and the research results can be accessed by departments and research groups as it is linked to the Research Portal.

In 2011 Universitas XXI was integrated with e-Archivo, the institutional repository at UC3M, due to the syntactic and semantic interoperability between both systems. The researcher or delegated person enters the bibliographic information in Universitas XXI. The Library Service reviews and validates the metadata. The deposit license is accepted in the repository and the system generates a folder with metadata, full text and licenses that is passed to the repository. Subsequently, the URI (system handle) of the document is returned to Universitas XXI.

Therefore, self-archiving is done from the CRIS, so researchers do not need to use different platforms to request the open access deposit of their documents.

In addition, the system includes information from the project management module, so that funders' information also appears in the repository.

The new teaching and research staff web pages of the university departments no longer require constant and manual update by their web managers. All curricular information is automatically extracted from the Research Portal.

As a member of the Consorcio Madroño, UC3M is also taking part of its collaborative Research Portal, which includes the scientific production of the 5 public universities of Madrid and the UNED. The research results from UC3M are obtained from the Research Portal.

To conclude: it is necessary

- to continue improving the interoperability with other systems for metadata uploading and enrichment. And thus reduce manual work.
- to adapt the CRIS to include new research results that are being developed within the framework of Open Science (datasets: metadata loading of deposited and harvested datasets from e-cienciaDatos) and scientific communication (APC control).

We are most interested in participating in more projects at national and international level that contribute to the dissemination and visibility of the scientific production of our university.

For more information: e-archivo@listserv.uc3m.es

Thank you for your attention.

