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DIGICLIC

DIGIBIS® Newsletter

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The Arxiu de Revistes Catalanes Antiques implemented in DIGIBIB

The Arxiu de Revistes Catalanes Antiques, ARCA, a project led by the Library of Catalonia to bring together, preserve and make available old Catalan journals to the public, has started a new phase implemented now on the DIGIBIB software. The new website was opened for general consultation on 1 March 2019.

This project is of singular importance for DIGIBÍS given the importance of the Library of Catalonia and its bibliographic projects. DIGIBÍS was the company awarded the public tender where different analogous software solutions were presented to replace the software that ARCA previously ran on, which was well known and used in similar projects all over the world. It is not a question of quoting the name of that software, but the informed reader will know very well what we are talking about.

The project consisted of implementing a DIGIBIB, version 10, on the servers of the Library of Catalonia and migrating more than 2.5 million pages from different digitization sub-projects of historical press and journals from different Catalan libraries.

DIGIBIS has carried out an OCR process of 2.5 million pages

On the other hand, an OCR project of 2.5 million pages was carried out, in Spanish and Catalan, in accordance with international standards. Many of these pages already had OCR, but presented different problems derived from a fixed file size and were not adjusted to the ALTO (Analysed Layout Text Object) standard.

Now, the user can search the entire database and locate a term or a conjunction of terms with Boolean operators and have the precise location of that or those terms highlighted on the corresponding page as the answer. This functionality was not

present in the previous application and, given that this is such a large collection of magazines, with 2.5 million pages, it was a critical functionality.

DIGIBIB also provides the possibility of organising content in different ways; the Library of Catalonia has already created a first microsite dedicated to the avant-garde journals without the need for any help from DIGIBÍS. ■

OCR has been carried out on more than 2.5 million migrated pages, in Catalan and Spanish

Europeana Annual Report 2018

The Europeana Foundation Annual Report for 2018 (Europeana Annual Report) was published in May 2019. 2018 was the European Year of Cultural Heritage, which was actively promoted by the Europeana Foundation, but it was also the anniversary of the publication of the first Europeana website, which was created 10 years earlier, in 2008.

The Report reflects the vitality and activity of the Europeana Foundation, always linked to the Europeana platform and everything it entails: digitization, metadata, data ingestion and processing, reuse of resources, educational impact, technological innovation, social and cultural scope and participation, and so on.

The Report highlights the introduction of Metis, a new internal data publishing system that has replaced UIM as Europeana's aggregation system. Metis has allowed not only greater transparency for the work but also greater efficiency in data intake and greater alignment with the Europeana Publishing Framework. Both Metis and the Europeana Publishing Framework are part of Europeana's objective of improving the quality of data and metadata, an objective that continued in earnest in 2018 and is expected to be maintained in successive years.

Newspapers collection and other milestones

The Newspapers collection was added to the set of Collections, already made up from more than 4 million publications from more than 23 countries, from which 800,000 allow full text searches, many of them Spanish. The Europeana Data Model (EDM) standard was updated for this purpose, given the full text content of the periodicals. This collection has also meant an improvement in the platform so that the user can perform full-text searches within this collection. DIGIBIS, always mindful of these updates, works to adapt to them in the new versions of its products. Version 10 of

DIGIBIB already includes the latest version of EDM, version 5.2.8

Another important milestone has been the creation of pages dedicated to people, topics or periods of time, enriched with linked data. Although this is a novelty in Europeana, the records of people, institutions or subjects, semantically enriched with different sources - Linked Open Data, is one of the strengths of DIGIBIB, DIGIARCH and DIGIMÚS products, developed by DIGIBÍS, for quite some time.

As indicated in the Report and already mentioned, during 2018 Europeana continued to work on a Linked Open Data approach to analyse new methods of data aggregation, especially through Schema.org and IIIF.

Finally, in 2018, six new specialist groups were launched within the Europeana network called EuropeanaTech, Europeana Copyright, Europeana Impact, Europeana Research, Europeana Education and Europeana Communicators; and, in addition, Right Statements were translated into two new languages, German and Estonian. ■



Europeana Foundation Business Plan 2019

As every year, the Europeana Foundation published its Annual Business Plan. With the subtitle *Our common culture*, the Business Plan 2019 places emphasis on continuing with innovation projects and improving the quality of Europeana's collections and platform; a mission for Europeana will work hand in hand with the Europeana Aggregators' Forum and the Europeana Network Association in order to maintain direct contact with cultural heritage institutions. In addition, it will be supported in all this by the European Commission and Member States.

Important points for improvement

The Report from the Commission to the European Parliament and the Council on the evaluation of Europeana and the way forward, published in September 2018, highlighted certain shortcomings that needed to be addressed and which this Business Plan 2019 aims to face:

- To improve data quality and enrichment, as well as the provision of metadata with an efficient data delivery infrastructure.
- Better facets to refine searches.
- To offer criteria of relevance in the results of the searches.
- In relation to the level of multilingualism of the portal, lack of metadata translation and inconsistencies in search results when searching in different languages.
- To reach citizens more effectively as they are generally unaware of the existence of Europeana.



Novelties

In addition to the improvements that Europeana wants to implement during 2019, it will also create three new collections: **Archaeology**, **Natural History** and **Press** (Newspapers). The latter is of great relevance for the Virtual Libraries developed by DIGIBÍB with the DIGIBIB software, as it will have a great impact on them. We seek to improve browsing capabilities through the creation of these collections, to include full text search (within the press) so as to form multilingual collections and make them more visible in Google.

The Business Plan 2019 refers to the new Strategic Plan which will guide Europeana from 2021 to 2025 and which will replace the previous plan which has been part of the strategy since 2015 and which will end in 2020: We transform the world with culture. Europeana Strategy 2015-2020. The new Strategic Plan is closely linked to the Report from the Commission to the European Parliament and the Council on the evaluation of Europeana and the way forward, related to cultural heritage, its dissemination and preservation. ■

Virtual Library of the Madrid Bar Association

The **Documentary Heritage Repository of the Madrid Bar Association** (ICAM) was officially presented on 9 April 2019. The event was attended by the dean of the Bar Association, José María Alonso, the deputy librarian Emilio Ramírez and deputy Ángela Cerrillos, who were accompanied by various authorities of the Ministry of Culture of the Community of Madrid.

The Repository, which has more than 900,000 digitized images and around 35,000 documents from the Historical Archive and the Collegiate Historical Library of this institution, is implemented in the DIGIBIB software, a library management system developed by DIGIBIS. DIGIBÍS was also responsible for the digitization of a large part of the collections and delivered the digital objects and their corresponding metadata in accordance with international standards.

ICAM Heritage

Throughout its more than four hundred years of existence, the Madrid Bar Association, together with the Cortina-Domingo Romero Grande Foundation, has gathered a remarkable documentary heritage that is indispensable to understand the historical importance of the Madrid and Spanish law. The Madrid Corporation, through its Library and Historical Archive, has made an important effort to safeguard this heritage and make it available to all members and the research community.

The Historical Bar Association Library

The Library of the Madrid Bar Association was created in 1852 at the initiative of Manuel Cortina y Arenzana (1802-1879), dean of the Madrid corporation. The first works received by the Library were donations from the members of the period and constitute part of the Rare Collection of the Library. Among these works we can highlight the collection of incunabula, composed of 6 titles pu-

blished between 1479 and 1493; works by Covarrubias, Heinecio, Benedict XIV, Barbosa, Luca, Saxoferrato or Grotius, among others; some outstanding manuscripts, such as the Compilation of Montalvo, from the time of the Catholic Monarchs, and an important bibliography, not just juridical, of the 16th, 17th and 18th centuries.

Historical Archive

The Historical Archive of the Madrid Bar Association began with the foundation of the institution in 1596. Its "official" constitution as an Archive is reflected in the minutes of the 1706 Governing Board. It was in the middle of the 20th century when Francisco Rocher Jordá reorganised it as a modern archive.

The Bar Association's Archive is made up of important documentary collections of historical relevance: from the Founding Act, the blood-cleaning files of the members of the Former Regime or the Cortina Fund, deposited in the Cortina-Domingo Romero Grande Foundation, made up of the personal papers of Mr. Manuel Cortina y Arenzana, a living reflection of a large law firm from the second half of the 19th century; to the regis-

tration files until 1978 or the purges of Franco's regime. There are also books of minutes of government meetings and general meetings. All of them make up an indispensable documentary collection so as to learn about the history of lawyers from Madrid and Spain.

Digitization

Thanks to the grants for the digitization projects granted by the Ministry of Culture to create and transform digital resources and their dissemination and preservation through repositories, it was possible to begin the digitization of part of this important cultural heritage, which was then continued with the resources of the institution itself until the digitization of the Historical Archive and a significant part of the Old Collection of the Bar

association's Library was achieved and which now come to light.

With this repository, the Madrid Bar Association is integrated into the project for the preservation of European cultural heritage through the European Digital Library -Europeans-, whose final aim is to allow universal access to cultural resources and scientific documents, free of rights, to European citizenship.

Women and Law

Coinciding with the night of the books, ICAM took the opportunity to offer a virtual sample of its bibliographic heritage related to the legal bibliography regarding women from various aspects: access to the women's legal profession, pioneers of law, evolution of women's rights, work and women, civil rights of women and the first rights of women in Europe and America. ■

The Repository, with more than 900,000 digital images, is implemented with the DIGIBIB software

From left to right, the home page of the Documentary Heritage of the Madrid Bar Association, the access page to its Digital Historical Library and the access page to its Historical Archive



Arxiu de Revistes Catalanes Antiques (ARCA)

In order to improve users' experience and offer new functionalities, the Library of Catalonia launched the new platform for the Arxiu de Revistes Catalanes Antiques (ARCA) on 1 March 2019, replacing its previous management system with the DIGIBIB application.

ARCA is a cooperative digital preservation repository, promoted by the Library of Catalonia, which collects and offers openly those periodical publications that are no longer published and that are or have been representative of Catalan culture and society.

The repository includes journals from 42 Catalan archives, libraries and universities, as well as other important institutions, such as the Parliament, the Catalan Film Archive and the Ateneu Barcelonès.

Start-up

To begin the application change, DIGIBIS migrated more than 400 journals to the new platform: a total of 176,771 issues and 2,545,782 images. DIGIBIS received these two and a half million images, which were already digitized in different formats and that had to be converted to a common format, JPEG, to homogenize the digital objects and, with it, the project as a whole.

ARCA has an OAI-PMH repository suitable for EDM with DIGIBIB, so that its records can be harvested by Hispana as well as by Europeana, or any other collection service

Likewise, DIGIBIS submitted all the images to an OCR process in Catalan and Spanish so that, once loaded, users can carry out full-text searches on all the pages of the issues of the periodical publications. In addition, it generated the PDF files of the images to allow the downloads of the numbers.

The new platform

Searches can be done in the conventional way, using a form that allows you to search by fields such as title, author, subject, library or date. But it is also possible to search by the places of edition or by using the calendar; an option that allows all the numbers of the different titles that were published in a certain year, month and/or day to be recovered.

New functionalities

For both bibliographic description and indexing, the bibliographic records of the Library of Catalonia and the subject authority records of the Llista d'En-

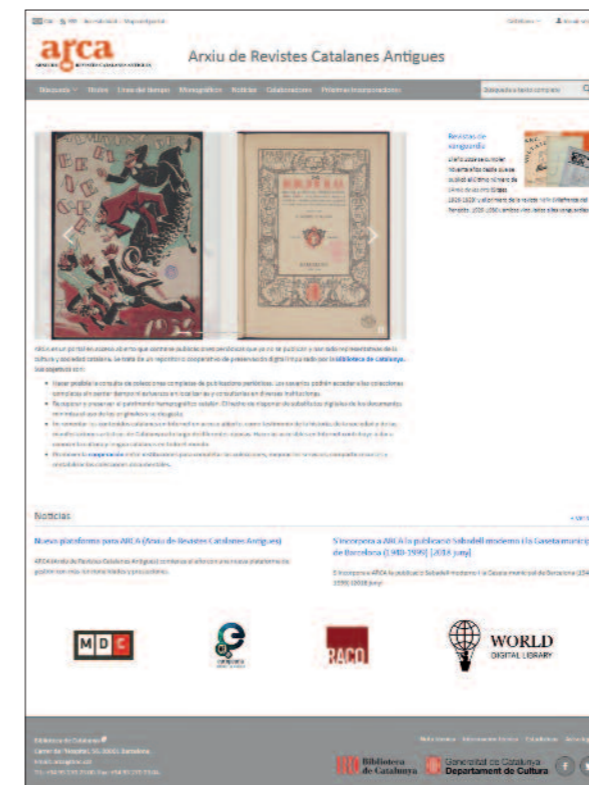


capçalaments de Matèria en Català (LEMAC) have been used. This simple methodology, favoured by the fact that the DIGIBIB application works with MARC 21 records, has greatly simplified the task of updating descriptions and titles, while maintaining the coherence of the entire catalogue.

ARCA has an OAI-PMH repository suitable for EDM with DIGIBIB, so that its records can be harvested by Hispana as well as by Europeana, or any other collection service. Similarly, records can transparently become part of WorldCat using OAIster.

Platform design

Implemented in the latest DIGIBIB version, version 10, the design of ARCA has been customised



To the left, the ARCA timeline, which begins in 1761. Above this line is the home page that shows the first micro-site that ARCA has set up; its title "Avant-garde magazines". To the right is the home page of that microsite. The header of the microsite itself can be seen, as well as links to the search and a link that gives access to all titles hosted by the microsite and can be read online and downloaded.

with direct accesses to the different sections in which the platform is organised, resulting in an easier and more intuitive browsing between titles and sub-collections for the user.

Of all these menu items, the time line stands out, which places the appearance of the various Catalan magazines and publications in a very visual way.

ARCA also has the DIGIBIB micro-sites module, called "Monographs" by the Library of Catalonia. Microsites allow independent browsing of the main website without leaving its domain. An example of this, and of other future monographs, is Revistes d'avantguarda, which offers an introduction to the avant-garde magazines, a list of the headers that make up this microsite, its own search form and, of course, full text search always visible on the top right. ■



Hispana reaches 8 million

Hispana, the national collector and aggregator of digital repositories, began 2019 with more than eight million digital objects. By mid-January it had reached exactly 8,008,166 and by June it was already over 8.5 million.

A digital object can be a book or a newspaper, but also an engraving, map, photograph or any museum piece, so the figure of 8.5 million digital objects means not only the ex novo generation of digital objects, but also the digitization of hundreds of millions of pages of books, magazines, newspapers, documentary units or objects of Spanish historical, artistic and cultural heritage.

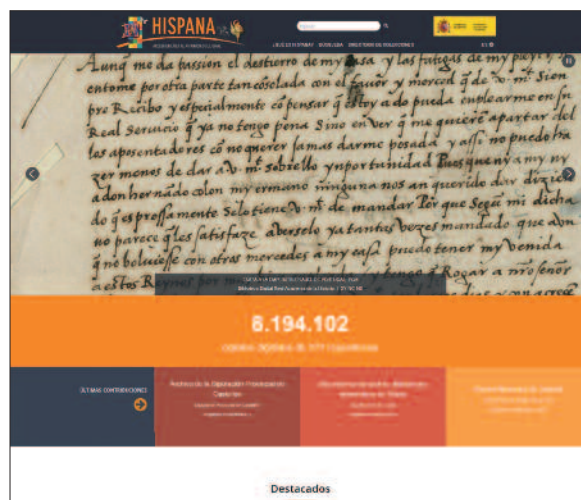
This level of progress is very significant; it should be remembered that Hispana opened to the public in 2006 with 119,014 digital objects, and that by March 2010 over one million digital objects or resources had been harvested.

Since its beginnings, our national aggregator has used the DIGIHUB application, developed by DIGIBÍS. Of the 8,008,166 digital objects reached in mid-January 2019, 2,297,626 come from Libraries, Archives and Museums also implemented in DIGIBIS applications; all have the OAI-PMH repository, which allows them to be harvested transparently by Europeana and the WorldCat, using OAIster.

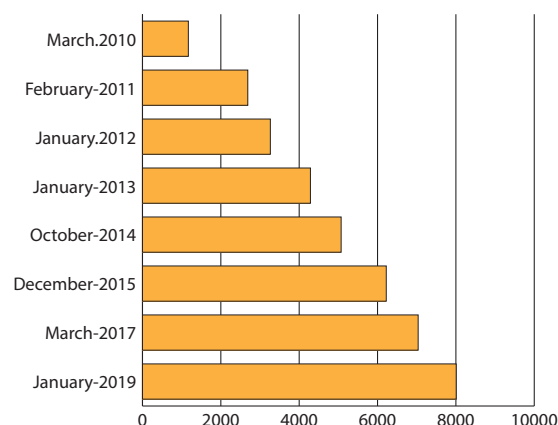
Hispana's contribution to Europeana

With regards to Hispana's contribution to Europeana, which is one of the most important in the European context, the total of digital resources amounts to 3,218,910, of which 1,991,023 digital resources come from libraries, archives and museums implemented with the DIGIBIS software.

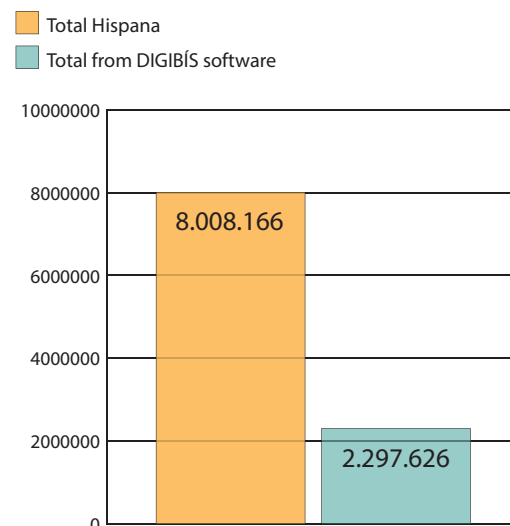
Of all the digital resources contributed from the DIGIBIS software, those that are added from the repository of the Ministry of Culture's Historical Press Virtual Library, with more than one million digital objects, should be of particular mention. They will form part of the new collection Newspapers, by Europeana, mentioned in this issue. ■



Evolution of increasing in digital objects
(In millions)



Digital objects in Hispanic (January, 2019)



Documentary Collection of the Courts of Aragon. New digitizations

At the beginning of year, the Digitized Historical Documentary Collection from the Courts of Aragon loaded 16 new works that can be consulted online for free, from the bibliographical record of each one of them.

The works have meant the digitization of more than 10,000 images. DIGIBIS was the company in charge of this digitization, so the resulting digital objects were delivered enriched with the appropriate metadata necessary for their dissemination and preservation.

About the Digitized Historical Documentary Collection from the Courts of Aragon

The Courts of Aragon, which had been dealing with Aragon's documentary and bibliographic heritage since 1997, began the digitization of the special materials in its historical collection (manuscripts, engravings, photographs, maps and plans) in 2010. In 2012, the process of digitizing these materials was completed, and the task of

digitizing the books and pamphlets, of which there was no digital object, then began.

From the beginning, the Historical Documentary Collection used the DIGIBIB application to manage the new digital collection. This software has a repository that meets international standards, especially the OAI-PMH regulations, which has allowed the more than 80,000 objects contained in the Collection to be accessible through the national Hispanic aggregator and to be harvested by Europeana and, using OAIster, to be displayed in WorldCat.

With this project, the aim of the Courts of Aragon is to achieve maximum dissemination among researchers and the general public, as well as to broaden knowledge about its territory, so that an important part of the Historical Documentary Collection of Aragon can be accessed easily, freely and free of charge from anywhere in the world, thus making it possible to find out more about its history. ■



Three of the digitized books of the Old Collection from the Courts of Aragon.



16th Spanish Conference on Information and Documentation

On 16 and 17 May 2019, the 16th Spanish Conference on Information and Documentation was held at the World Trade Centre in Barcelona, in which DIGIBIS participated. This conference, organised by Fesabid on an itinerant basis, approximately every two years together with the DOCUMAT fair, has become an important meeting point for professionals and users of information services.

Under the motto “Opening Doors: Alternatives, Opportunities and Impact of Access to Information”, the 16th Conference was structured in three areas: “Democratic access to information, hacktivism and freedom of expression”, “Leading change in the digital age: competencies, skills, profiles and new roles in information and documentation” and “Social investment: working in society and creating community”.

After the inauguration of the event, Glòria Pérez-Salmerón, president of IFLA, broke the ice with a presentation entitled “The value of information professionals in the global environment”.

The proposal of these Conferences has been to look beyond the commonly accepted horizon, placing the magnifying lens at the most appropriate distances to discover society’s needs and desires. Looking so as to work out what has changed, what is transforming and what needs an answer that cannot fail to take into account new technologies and the digital age.

In this context and without forgetting at any time the aim of publicizing the innovations of the sector, workshops were organised during the two days that the Conference lasted, a cluster and presentations from different companies in the sector, among which DIGIBIS could not be missing.

New data models and how our applications improve productivity

As always, there was no shortage of posters of the companies participating in these conferences. César Juanes, head of the Innovation Department, ex-



Our applications increase the productivity of those who use them

plained the DIGIBÍS project and dealt specifically with the new functionalities that have been incorporated into the latest versions of our digital management applications, DIGIBIB, DIGIARCH, DIGIMÚS and DIGIHUB, as they continue to adapt to the new standard models to increase the enrichment of catalogues and their records, by exchanging data, adding semantic reconciliation, of how they increase their visibility and, in general, how they improve the productivity of those who implement their library or archive with them, demanding, at the same time, much less effort from them than they would normally have to do to obtain the same results.

This can be schematically seen in the poster that was presented by DIGIBIS and that we reproduce in the following page and [on the website](#).

Speaking in the elevator where necessary

This year, the conference introduces a novelty in its commercial section: Documat.. This is what is known as the elevator pitch, because of its name in English, although the use of their translation into Spanish is recommended by our linguistic authorities.

It has been our Commercial Department’s director Javier Mas, who has been in charge of offering,

in no time at all, a menu that will awaken the appetite in listeners so they can find out the services that DIGIBIS offers to libraries, archives, museums, documentation centres and memory institutions in general.

Afterwards, attendees were able to enjoy the menu more calmly, in other words, to broaden their knowledge of our services and software, as well as the advantages of our enriched digitization, at the stand we set up for that purpose.

Latest techniques enrichment and data aggregation

The DIGIBIS Showroom Cluster took place on the second day: César Juanes, head of the DIGIBIS Innovation Department, gave an interactive presentation called “Advanced technologies for semantic reconciliation and access to bibliographic information with SPARQL”.

This conference explained what these technologies consist of, capable of enriching the library records with minimum effort, supported by a work carried out jointly by César Hernández, Francisca Hernández, DIGIBÍS consultant, and Xavier Agenjo, Project Director of the Ignacio Larramendi Foundation and of DIGIBÍS, specifically prepared for these conferences. ■

PROYECTOS LINKED OPEN DATA PRODUCTIVOS Y EN PRODUCCIÓN

Tecnología LOD proporciona nuevos modelos de agregación de metadatos

REPOSITORIO OAI-PMH

Aplicaciones DIGIBIS añaden nuevas funcionalidades para proyectos en un entorno LOD

Nuevas funcionalidades

- Agregación de datos bibliográficos mediante SPARQL
- Herramienta que facilita el enriquecimiento y permite sobrescribir registros de autoridad a través de vocabularios de valores
- Reconciliación semántica de forma masiva y semiautomática

Mejora de la productividad

- Más cantidad de recursos informativos
- Más calidad en los datos, más información contextual y multilingüe
- Nuevas formas de presentar los datos

Logos: BIBLIOTECAS DIGIBIB, ARCHIVOS DIGIARCH, MUSEOS DIGIMÚS, RECOLECTOR OAI-PMH DIGIHUB, Jeid'19

2nd Conference for the Management of Bibliographic

Following the success of the First Conference for the Management of Bibliographic Heritage (Toledo, 2017), the University of Santiago de Compostela and the REBIUN working group on Bibliographic Heritage organised the Second Conference for the Management of Bibliographic Heritage, which was held on 6 and 7 June in Santiago de Compostela.

The conferences were grouped around the following thematic blocks: Digital Library; Historical Libraries to support study, teaching and research; Conservation and restoration; Binding; Paper, environmental conditions, handling of materials and restoration; Dissemination; and Management of the collection.

Institutions from all over the country have participated, which were related to universities and ministries, as well as libraries and archives.

DIGIBÍS and the Ignacio Larramendi Foundation were also present with a paper entitled "University bibliographic heritage: a proposal for renewal", written jointly by Xavier Agenjo, Project Director at DIGIBÍS and FIL, and the members of DIGIBÍS: Francisca Hernández, consultant, Susana Hernández and César Juanes, for Innovation, and Felisa Matarranz, for IT.

The paper brought together the experience that DIGIBÍS has had during the works for the merger and integration of the Collective Catalogue of the Bibliographic Heritage of Galicia in the Digital Library of Galicia, carried out by DIGIBÍS, and of how this experience can be transferred to the Collective Catalogue of the Network of University Libraries, so that different objectives related to visibility and diffusion, the update of standards or semantic enrichment, among others, can be met, which are already present in the Galician catalogue and that would constitute a renovation in the university.

We can not fail to point out that the Digital Library of Galicia is part of Galiciana, implemented entirely with our applications.



Some outstanding ideas from the "Conclusions" of the Conferences

As can be seen from the "Conclusions" drawn up by CRUE Spanish Universities and the REBIUN Network of Libraries, certain ideas were highlighted that are worth mentioning during these two days:

- the importance of digitization as a tool for preservation and dissemination,
- the relevance that Historical Libraries have without a doubt within the fields of study, teaching and research,
- the scope of the work of restorers and curators in the management of bibliographic heritage,

- the importance of making collections accessible to users and researchers as the ultimate goal of bibliographic management. ■

The conferences took place in the magnificent building of the Faculty of Medicine of the University of Santiago de Compostela.

Digitization, online accessibility and digital preservation 2015-17

On 12 June, the European Commission published the report Cultural Heritage: Digitisation, Online Accessibility and Digital Preservation with the implementation by Member States during the period 2015-2017 of the Recommendation (2011/711/EU) on digitization, online access and digital preservation of the European cultural heritage of the European Union.

The Recommendation (2011/711/EU), endorsed by the Council in May 2012, is the only policy instrument at European level that addresses the full digital cycle of cultural heritage materials, from the planning, control and financing of digitization, to online access and re-use, and digital preservation. The Commission invites Member States to step up their efforts, pool resources and involve the private sector in order to increase the online accessibility of Europe's cultural heritage, boost citizen participation and contribute to the growth of Europe's creative industries. It also strengthens Europeana's role as a single point of consultation for all material harvested.

The report enables the Commission to obtain an overview of Member States' strategies and policies on digitization of the general heritage; highlight best practices and opportunities on an economic scale; and show possible synergies with initiatives at European Union level, such as the recently published "Declaration of Cooperation for the Progress of the Digitization of Cultural Heritage", signed on Digital Day 2019.

Its content is divided into five areas of work following the structure of the Recommendation and previous reports, published in 2016 and 2018: the organisation and financing of digitization; digitization and online accessibility of material of pu-



blic domain; digitization and online accessibility of copyright-protected material; Europeana and digital preservation. As a novelty, it includes a summary table with conclusions after each of the main sections.

Main trends between member States

Overall, Member States continue to broadly support the Recommendation and see it as a key instrument in adopting their national policies and coordinating efforts on digitization, online accessibility and digital preservation of cultural heritage. ■

Edición en línea

<http://www.digibis.com/publicaciones/digiclic-boletin.html>

Online Edition

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