

An Update from Dialnet in the Spanish Research Ecosystem

EuroCRIS SMM Paris 2024



Setting the Scene

- Non-profit Public Foundation
- Attached to the University of La Rioja
- Created in 2009
- Manages Dialnet Repository: Largest repository of Spanish scientific production in the World
- Collaborative network of institutions in Spain, building ever-growing community
- Key player between Europe and Latin America



65 SPANISH
UNIVERSITIES

36 SPECIALIZED
LIBRARIES

57 LATINAMERICAN
UNIVERSITIES



What does it bring to the table?

- Holistic solutions for Research Activity
- Main services:



 Dialnet | plus

 Dialnet | CRIS

 Dialnet | datos

 Dialnet | métricas

- Open Science principles
- Interoperable resources



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SPANISH COLLECTIVE

CRIS

This portal is the result of an interuniversity project developed within the framework of UniDigital, in which we are collecting scientific production, researchers and research groups from various universities, with the ultimate goal of creating a national portal, open to the participation of other universities, which becomes an infrastructure that offers quality services to researchers and the Spanish R&D&I system.

At the moment it is in an initial phase, so there are many issues that have not yet been addressed, but the potential it has for the future can already be glimpsed.

**65,233**

Researchers

5,228

Groups

1,900,422

Publications

740,359

Open access

60%
**UNIVERSITIES
IN SPAIN**[Contact](#) [Legal notice](#) **EN** ▼**UNIVERSIDADES PATROCINADORAS**

Universidad de Alcalá (Portal)

PROYECTO ELABORADO EN EL MARCO DE

Ministerio de Universidades - UniDigital



Understanding AI

- Introduction
 - AI is not black magic
 - Simplified into two components:
 - Mathematical Model
 - Data
- Importance of Data Quality
 - Quality data leads to effective models
 - "Garbage in, garbage out"
- Obsolescence of Models vs. Data
 - Models evolve and become obsolete quickly.
 - Data retains its value and utility.



Understanding AI in Dialnet

- Dialnet's Role in AI
 - Provider of information for AI model training.
 - Part of national language models (ILENIA, CLARIAH).
- AI Techniques in Dialnet
 - Improve system operation and data quality.
 - Enhance user experience.
- Key AI Applications
 - Automatic identification of affiliations.
 - Extraction of publication funders.
 - Classification of content.
 - Sentiment analysis of citations.
 - Generation of summaries and keywords.
 - Semantic search.



AI Showcase: A Multidimensional Knowledge Map

- Immersion in the knowledge generated in the UR
- Starting point to visualize the potential of the CRIS systems and the applications
 - Dialnet CRIS well-structured data
 - Community of users around it
- For the portal of the University of La Rioja
 - Semantic representation vectors of all its research outputs
 - Distributed in a multidimensional space, the closer the more ss
 - To visualize it on a screen, dimensionality reduction
 - Point = research object, color = topics
- <https://investigacion.unirioja.es/resultados/nube>





GROUPS

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DEPARTMENT
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La investigación que se desarrolla en el Departamento es muy variada y relacionada con su docencia. Se centra en temas como en el vino y la vid, los frutales y las hortalizas (tanto en lo relativo a su cultivo como a la transformación, conservación y comercialización), los parques y jardines, y muchos de los aspectos genéricos relacionados con ellos, como la patología vegetal, los suelos, la biotecnología o la genética. Además, muchos de sus investigadores son miembros del Instituto de Ciencias de la Vid y del Vino (ICVV) con titularidad compartida entre el Consejo Superior de Investigaciones Científicas, el Gobierno de La Rioja y la Universidad de La Rioja.

Website: <http://www.unirioja.es/dptos/daa/index.shtml>Director: [María Carmen Tenorio Rodríguez](#)Secretary: [Myriam Zarazaga Chamorro](#)Email: dpto.agricultura@unirioja.esComplejo Científico Tecnológico
C/ Madre de Dios, 53
26006 Logroño, La Rioja

[34] 941 299 720

beta



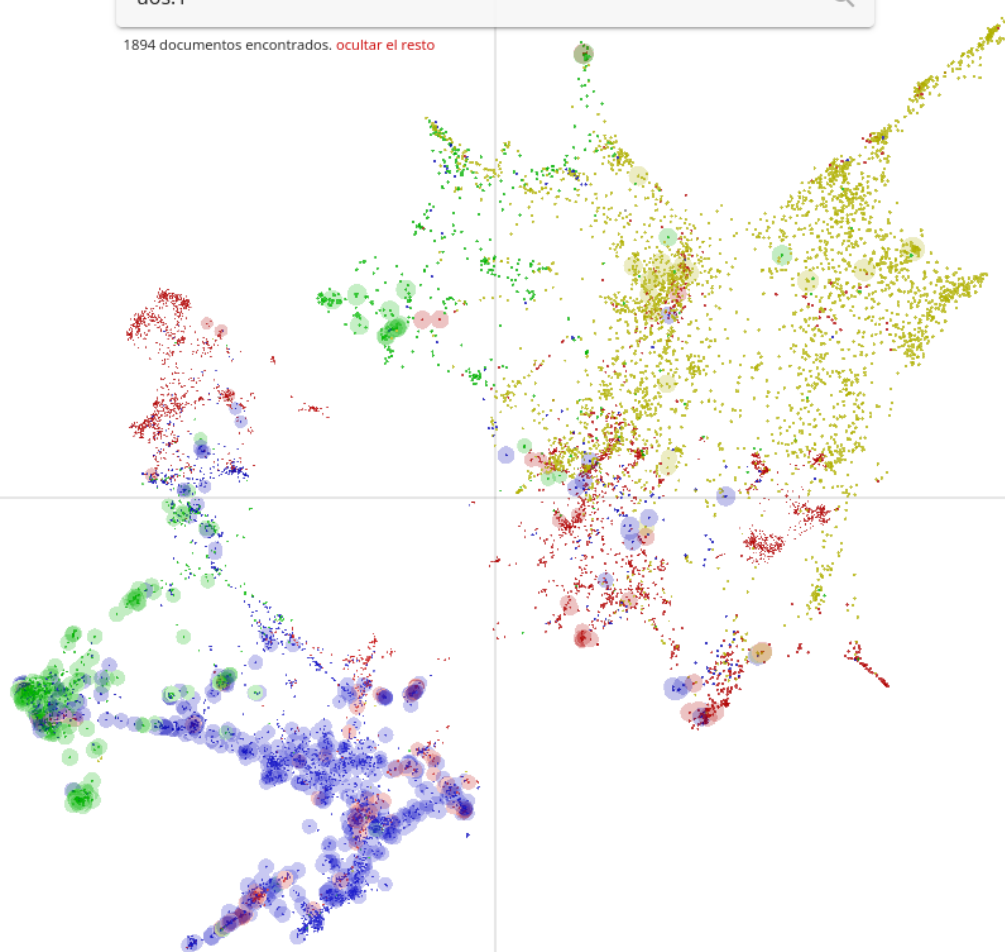
Ver unidad en nube de resultados



uos:1



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GROUPS

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EnoIUR

Enología: Química, Tecnología Enológica y Análisis estadístico

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Date of inception 17 April 2015

Leader: Belén Ayestarán Iturbe

Department: Agriculture and Food

beta

 Ver grupo en nube de resultados

Researchers

Filter

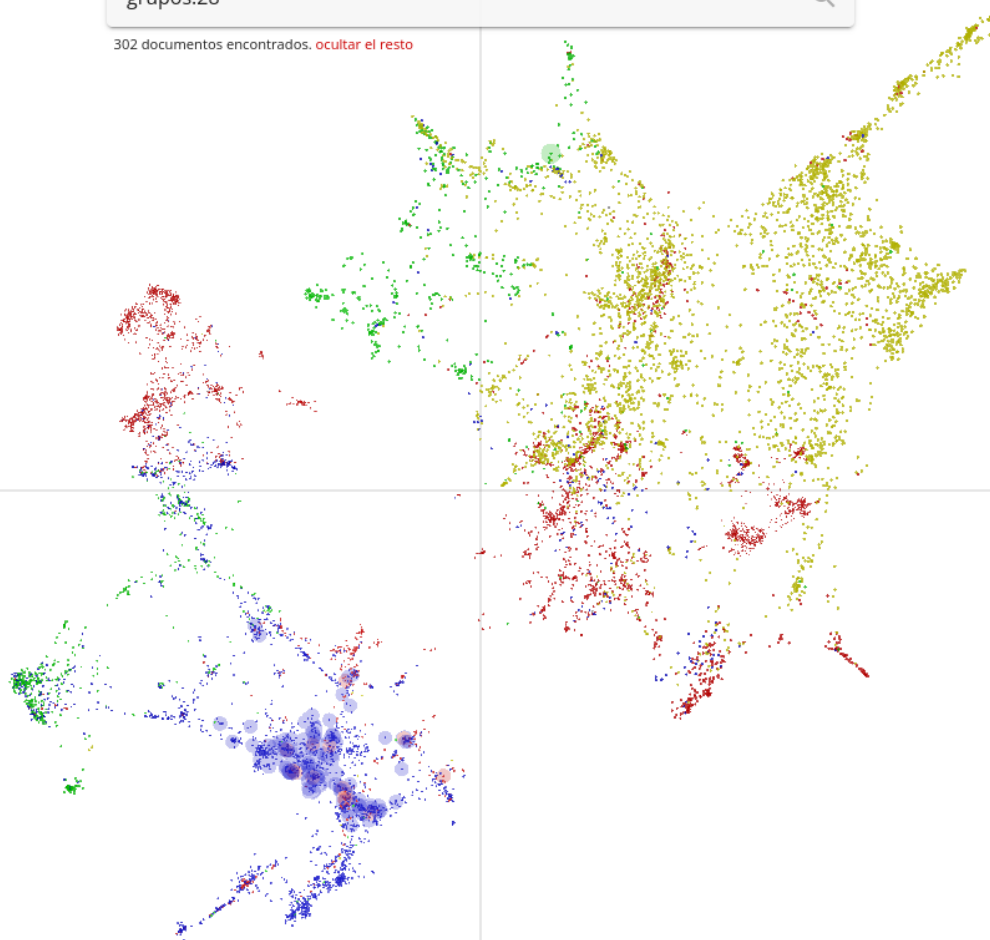
Belén
Ayestarán Iturbe
LeaderZhao
FengJuan Carlos
Fillat BallesterosEkhiñe
Garaigordobil
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**BELÉN
AYESTARÁN ITURBE**

CATEDRÁTICA DE UNIVERSIDAD

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Doctor by the Universidad Pública de Navarra with the thesis **Influencia de los pretratamientos de clarificación en el contenido nitrogenado de mostos y vinos : alcoholes superiores en vinos** (1995). Supervised by Dr. Carmen Ancín Azpilicueta, Dr. Julián Garrido Segovia.

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DESTACADOS

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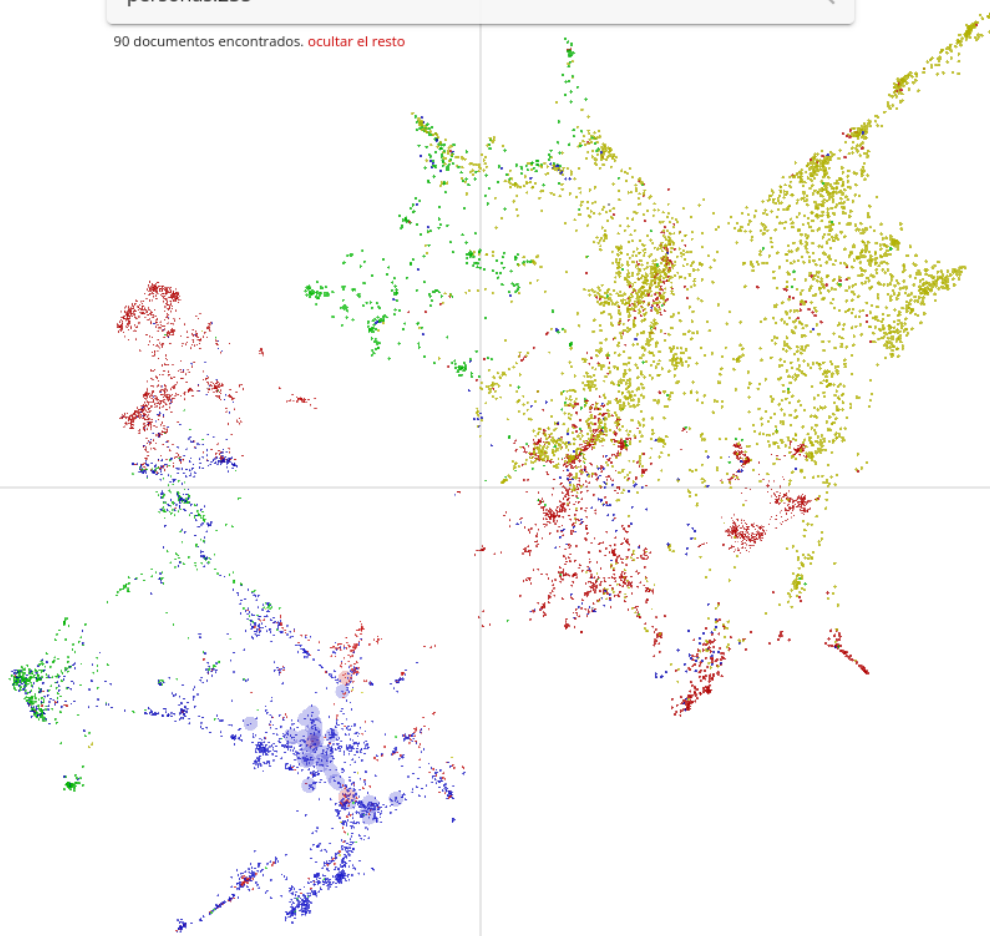
 [Facebook](#) [Twitter](#)



personas:235



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Filtrar por idioma

- ☒ spa
- ☒ eng
- ☒ other

Filtrar por anualidad (+/- 2 años)



Personas (top 5)

[Belén Ayestarán Iturbe](#)[Zenaida Guadalupe Minguez](#)[Ana Rosa Gutiérrez Viguera](#)[Leticia Martínez Lapuente](#)[Rosa María López Martín](#)

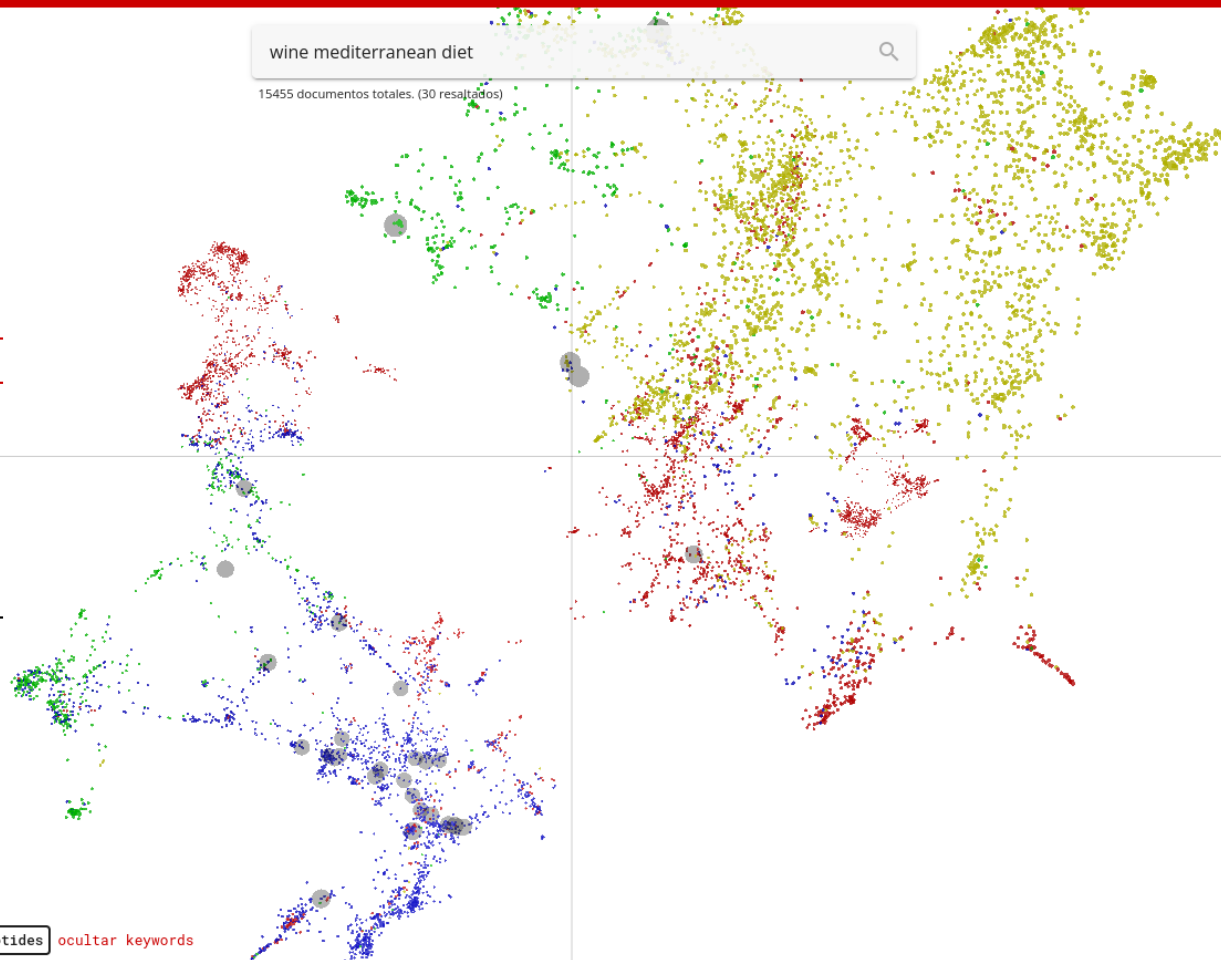
Topics

- Food Science
- Horticulture
- General Agricultural and Biological Sciences
- Industrial and Manufacturing Engineering
- Nutrition and Dietetics
- General Biochemistry, Genetics and Molecular Biology
- General Chemistry
- Public Health
- Agronomy and Crop Science

[dietary](#) [antioxidants](#) [winery](#) [yeasts](#) [nucleotides](#) [ocular keywords](#)

wine mediterranean diet

15455 documentos totales. (30 resaltados)



- Knowledge maps have the potential to be applied in a wide variety of use cases, including:
- Identifying experts in a specific field of research.
- Discovering potential collaborations between different research groups.
- Uncovering emerging trends in a field of research
- Recognizing knowledge gaps
- Identifying funding opportunities for research projects
- Discovering opportunities for knowledge transfer to industry.



Latest Developments

- CERIF-XML export of Dialnet CRIS data (PCR integration)
- Automatic generation of reports for sexenios and academic reports
- Funding and projects released in Dialnet CRIS for a transparent and open research ecosystem
- Addition of FECYT badge and APC information in Dialnet CRIS



Other achievements

- Working Groups launched under the umbrella of the Spanish CRIS Network (REBIUN)
- Official presentation of the Regional Collective CRIS of Castilla y León.
- Dialnet Metrics has been officially included in the ANECA accreditation process for Spanish Universities.
- SDGs showcasing in Dialnet CRIS



THANK YOU

For further questions...
oscar.sanchez@unirioja.es

