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“Decenio de la Igualdad de Oportunidades para Mujeres y Hombres”
“Año del Bicentenario, de la consolidación de nuestra Independencia,
y de la conmemoración de las heroicas batallas de Junín y Ayacucho”

Jornada MINEDU vienes 28 de junio de 2024

La importancia de los sistemas CRIS en la gestión de la investigación en universidades: una perspectiva internacional



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euroCRIS: promoviendo la colaboración

euroCRIS
Current Research Information Systems

Home

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Registration

Organizers

Sponsors

Contact

Emerging trends for international collaboration in the CRIS domain

16th International Conference on Current Research Information
Systems (CRIS2024)

Vienna, Austria

May 15-17, 2024

euroCRIS: promoviendo la colaboración

CRIS2024 conference programme

Day 1 | May 15th

Day 2 | May 16th

Day 3 | May 17th

Virtual Sessions

Virtual

- Manuel Osvaldo Machado Rivero, Sadia Vancauwenbergh, Danelis Olivera Batista, César Halley Limaymanta Álvarez, Andrea Ballivian Blanco, Arelexys Antonia García Cartaya, María Josefa Peralta González, Georgina Aurelia Chávez, Celso Morelan Gonzales Cam, José Percy Amado Tineo, Angel Salvatierra Melgar, Marc Goovaerts, Hanne Vlietinck and Grizly Meneses Placeres: *Development of a culture on Research Data Management: experiences from the international RDMS-LatAm Project*
- Rosalina Vázquez Tapia: *Development of National CRIS Systems in Latin America and the Caribbean: Case Studies 2023*
- Digna Suárez Fernández, María Josefa Peralta González, Amed Leiva Mederos, Yelina Piedra Salomon, Daykenis Caballero Feria and José Luis Montero O'Farri: *Research Information System for Scientific Evaluation in Cuban Universities*
- Jose Amado, Danelis Olivera, Manuel Machado, Sadia Vancauwenberg, Cesar Limaymanta, Celso Gonzales, Maria Peralta, Arelexys Garcia, Andrea Ballivian, Grizly Meneses, Georgina Chavez, Angel Salvatierra, Hanne Vlietinck and Marc Goovaerts: *State of Research Data Management in Latin American Universities 2022*

¿Qué es un [sistema] CRIS?



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[Main page](#)
[Contents](#)
[Current events](#)
[Random article](#)
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[Community portal](#)
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[Page information](#)
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Current research information system

From Wikipedia, the free encyclopedia

A **current research information system** (**CRIS**) is a [database](#) or other [information system](#) to store, manage and exchange contextual metadata for the research activity funded by a research funder or conducted at a research-performing organisation (or aggregation thereof).^[1]

CRIS systems are also known as Research Information Management or RIM Systems (RIMS).^{[2][3]}

Contents [\[hide\]](#)

- Features
- Use case
 - Research assessment
 - Research administration
 - Open Science implementation
 - Business intelligence
- See also
- References
- Further reading
- External links

Doble función:

- Visibilidad: “ventana al exterior”
- Análisis interno: toma de decisiones basadas en la evidencia

Features [\[edit\]](#)

The data model underpinning a CRIS relies on a set of basic entities as defined by the Common European Research Information Format ([CERIF](#)^[4]) model maintained by the non-profit organisation [euroCRIS](#).

The links connecting these entities provide a standardised semantic layer that provides consistency to the data model. The basic CERIF entities are **people**, **organisations**, **projects and outputs** (publications, research data, patents). Further second-level entities in the comprehensive snapshot of research provided by CERIF are for instance funding, research facilities and equipment or skills.

System interoperability lies at the core of CRIS operation, both from an internal and an external viewpoint. Internally, information is exchanged between the multiple information-gathering systems at institutions (HR systems, project management tools, finance management systems, etc.) and the one-stop-shop CRIS where all the institutional research

¿Para qué/quié son los CRIS?



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[Main page](#)
[Contents](#)
[Current events](#)
[Random article](#)
[About Wikipedia](#)
[Contact us](#)
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[Learn to edit](#)
[Community portal](#)
[Recent changes](#)
[Upload file](#)

[Tools](#)

[What links here](#)
[Related changes](#)
[Special pages](#)
[Permanent link](#)
[Page information](#)
[Cite this page](#)

Use case [\[edit \]](#)

Among the key applications of the aggregated pool of research information collected in CRIS system it's worth mentioning the following areas.

Research assessment [\[edit \]](#)

As mentioned in the "Practices and Patterns" report, research assessment is one of the key drivers for the implementations of CRIS systems, especially at research-performing organisations. This is due to the need for all institutional research outputs to be collected and described in a standardised way in a single institutional system that is also able to gather information on impact indicators. A particularly important example of this connection is the UK Research Excellence Framework (REF), whose 2014 edition resulted in a widespread adoption of commercial CRIS systems by UK institutions.^[12]

Research administration [\[edit \]](#)

As a one-stop-shop for storing all the information related to the institutional research activity, CRIS systems play a key role in the area of research administration by institutional Research Offices. Among many others, this involves aspects such as:

- Research impact and its analysis
- Research collaborations across institutions and with Industry
- Preparation of project proposals and subsequent management of awarded grants
- Knowledge Exchange

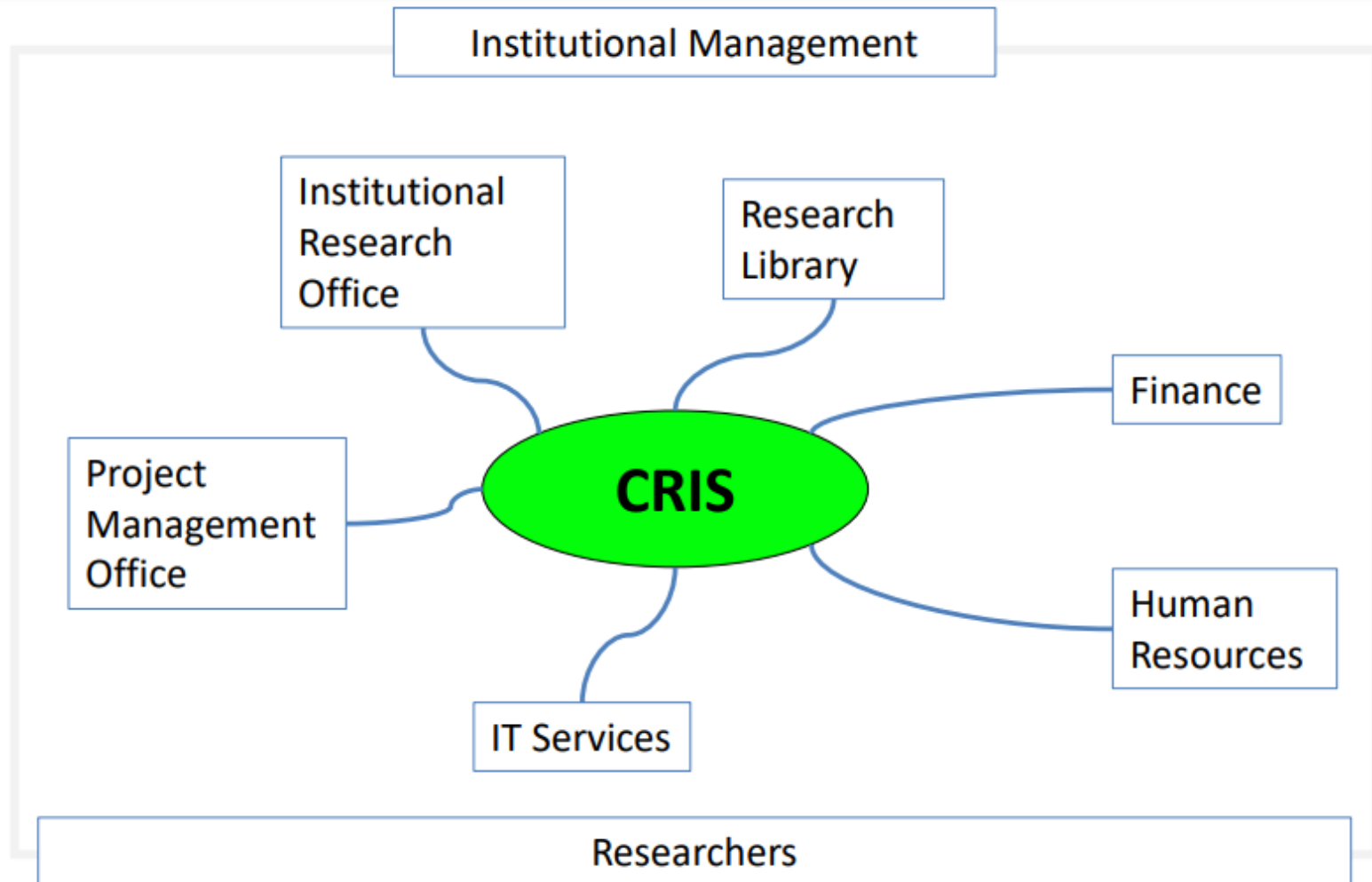
Open Science implementation [\[edit \]](#)

Where available, CRIS systems are often key components in the Open Science implementation strategy at research-performing organisations^[13] due to their systematic use for collecting information on all research outputs produced at institutions.

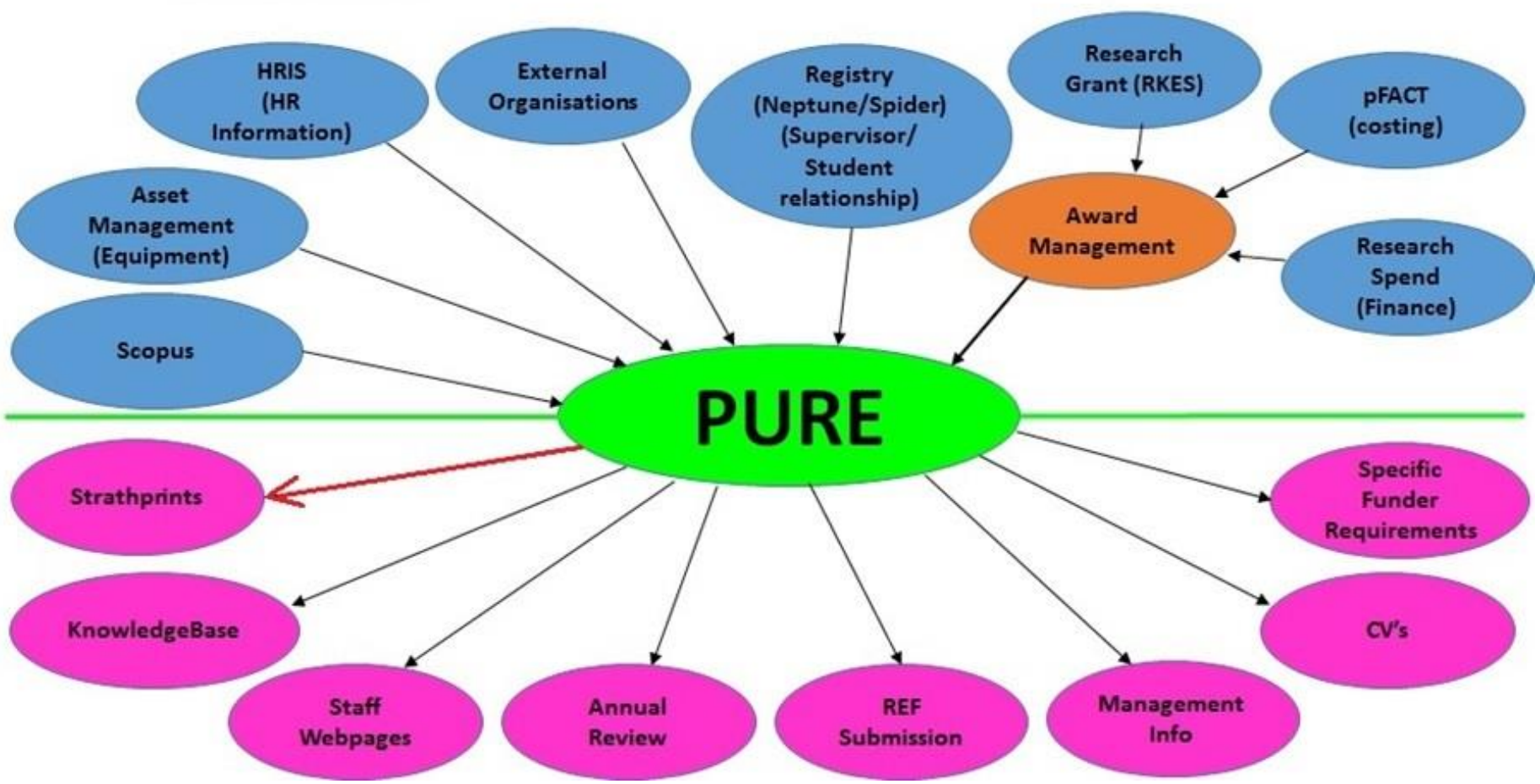
Business intelligence [\[edit \]](#)

Their comprehensive aggregation of contextual research information makes CRISs very suitable tools for extracting business intelligence indicators for decision-making purposes at institutions and beyond. Emerging areas of work like the Knowledge Exchange Framework (KEF) in the UK^[14] provide further practical applications for these systems.

Interoperabilidad 'humana' en torno al CRIS



Interoperabilidad de sistemas (interna – U Strathclyde)





RAIS

Rais

(Registro de Actividades de Investigación San Marcos)

Usuario

Contraseña

Iniciar Sesión



Consultas técnicas al siguiente correo



rais.vrip@unmsm.edu.pe

El modelo CERIF

Mission

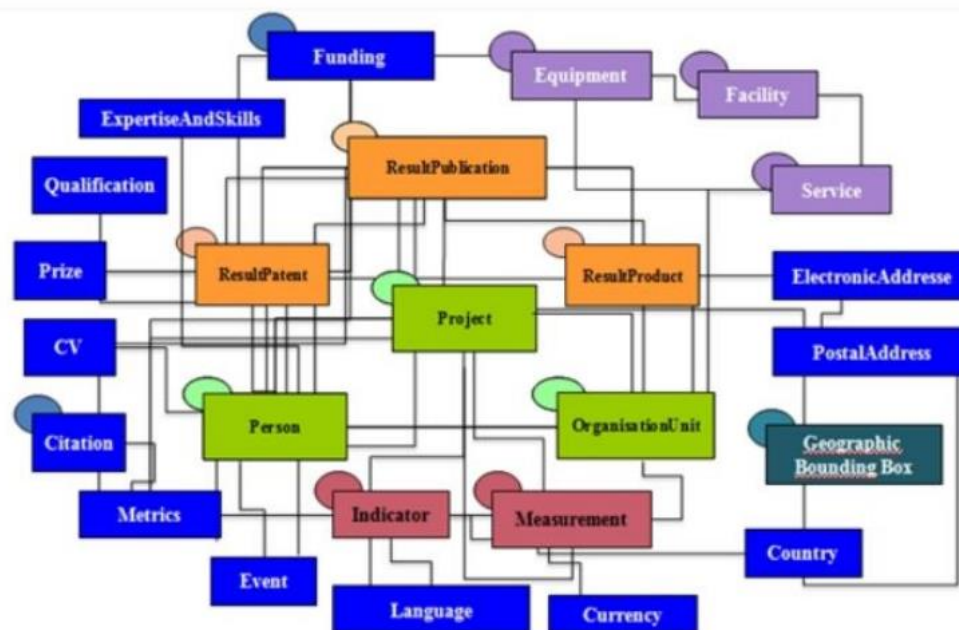
"To promote collaboration within the research information community and advance interoperability through CERIF"



Main features of CERIF

CERIF (the Common European Research Information Format) is:

- A concept about research entities and their relationships – Specification (Conceptual Level)
- A description of research entities and their relationships – Model (Logical Level)
- A formalization of research entities and their relationships – Database Scripts (Physical Level)



Project > Research - Pure 5.22.1 - Google Chrome

pure.strath.ac.uk/admin/editor/dk/atira/pure/modules/unifiedprojectmodel/external/model/project/editor/upmprojecteditor.xh

ID: 24743980


Soft And Small: Acoustic Transducers Inspired By Nature – SASATIN (EU European Research Council (ERC) Consolidator Grant)
 Project: Research

Overview

Relations

Display

Overview

Soft And Small: Acoustic Transducers Inspired By Nature – SASATIN (EU European Research Council (ERC) Consolidator Grant)

EU European Research Council (ERC) Consolidator Grant – Soft and Small: Acoustic Transducers Inspired by Nature – SASATIN

Windmill, J., Principal Investigator, Electronic And Electrical Engineering

RKES Reference (Internal Reference): 130113

pFact ID (Internal Reference): 9137

Funder Project Reference: 615030 SASATIN

European Commission – FP7 – European Research Council: £1,722,288.00, FEC% 78.00%

1/02/14 – 31/01/19

Nature of activity type: Research

Application relations: Soft And Small: Acoustic Transducers Inspired By Nature – SASATIN (EU European Research Council (ERC) Consolidator Grant)

Award relations: Soft And Small: Acoustic Transducers Inspired By Nature – SASATIN (EU European Research Council (ERC) Consolidator Grant)

Project: Research

Short format

Soft And Small: Acoustic Transducers Inspired By Nature – SASATIN (EU European Research Council (ERC) Consolidator Grant)

Windmill, J.

European Commission – FP7 – European Research Council

1/02/14 – 31/01/19

Project > Research - Pure 5.22.1 - Google Chrome

pure.strath.ac.uk/admin/editor/dk/atira/pure/modules/unifiedprojectmodel/external/model/project/editor/upmprojecteditor

ID: 24743980

Soft And Small: Acoustic Transducers Inspired By Nature – SASATIN (EU European Research Project: Research)

OVERVIEW

Relations

Display

Overview

My research output (56)

I beg your pardon? Acoustic behaviour of a wild solitary common dolphin who interacts with harbour porpoises

Cosentino, M., Nairn, D., Coscarella, M., Jackson, J. C. & Windmill, J. F. C., 10 Jan 2022, (E-pub ahead of print) In: *Bioacoustics*. 30 p.

Research output: Contribution to journal > Article > peer-review

Time course changes to structural, mechanical and material properties of bone in rats after complete spinal cord injury

Williams, J. A., Huesa, C., Turunen, M. J., Oo, J. A., Radzins, O., Gardener, W., Windmill, J. F. C., Isaksson, H., Tanner, K. E., Riddell, J. S. & Coupaud, S., 2 Jan 2022, (Accepted/In press) In: *The Journal of Musculoskeletal and Neuronal Interactions*.

Research output: Contribution to journal > Article > peer-review

Characterization of (0–3) piezocomposite materials for transducer applications

Omoniyi, O. A., Mansour, R., Cardona, M. J., Briuglia, M. L., O'Leary, R. & Windmill, J. F. C., 7 Sep 2020, *IUS 2020 – International Ultrasonics Symposium, Proceedings*. Piscataway, NJ.: IEEE, 9251355. (IEEE International Ultrasonics Symposium, IUS; vol. 2020–September).

Research output: Chapter in Book/Report/Conference proceeding > Conference contribution book

More...

2005

2008

NOTIFICATIONS

Project > Research - Pure 5.22.1 - Google Chrome

pure.strath.ac.uk/admin/editor/dk/atira/pure/modules/unifiedprojectmodel/external/model/project/editor/upmprojecteditor.xhtml

ID: 24743980



Soft And Small: Acoustic Transducers Inspired By Nature – SASATIN (EU European Research Project: Research)

OVERVIEW

Relations

Display

Overview



5 results

Display: Short format

Sort by: ↓ Created date

Data for: "Material stiffness variation in mosquito antennae"

Saltin, B. (Creator), Matsumura, Y. (Contributor), Reid, A. B. (Contributor), Windmill, J. (Contributor), Gorb, S. (Contributor) & Jackson, J. (Creator), University of Strathclyde, 15 May 2019

DOI: [10.15129/8ec4ac84-3040-4c4d-854e-07e50786a68a](https://doi.org/10.15129/8ec4ac84-3040-4c4d-854e-07e50786a68a)

Dataset

Ormia-inspired piezoelectric MEMS microphone operating at low frequencies

Zhang, Y. (Creator), Windmill, J. (Creator) & Bauer, R. (Creator), University of Strathclyde, 6 Jun 2018

DOI: [10.15129/9b51e04e-0f82-460a-8ee3-6b9d7adefb56](https://doi.org/10.15129/9b51e04e-0f82-460a-8ee3-6b9d7adefb56)

Dataset

Hearing on the fly: the effects of wing position on noctuid moth hearing

Gordon, S. (Creator), Klenschi, E. (Creator) & Windmill, J. (Creator), University of Strathclyde, 15 May 2017

DOI: [10.15129/1af642b7-f467-46d8-a43f-2259472a0286](https://doi.org/10.15129/1af642b7-f467-46d8-a43f-2259472a0286)

Dataset

3D-printed housing influence on directional acoustic response of MEMS microphone

Bauer, R. (Creator), Windmill, J. (Creator) & Zhang, Y. (Creator), University of Strathclyde, 21 Feb 2017

DOI: [10.15129/fc076d32-f961-407e-90c1-d1f06b1c99fa](https://doi.org/10.15129/fc076d32-f961-407e-90c1-d1f06b1c99fa)

NOTIFICATIONS

Last saved: 25/06/21 7:34

Save

Por qué la *RIM* es importante

Abstract: Nowadays, there is full consensus that the promotion of Science, Technology and Innovation (STI) has a positive impact on the economic growth of a country. In Peru, the National System of STI doesn't have enough information for decision-making, because it doesn't have an information system to manage (collect, systematize, store and communicate) the data generated during execution of each activity carried out. In this context, CONCYTEC (public body in charge of the development of policies, regulations and promotion of activities related to the STI) is planning to build a tool to cover this need, project that has financial support from the World Bank. To fulfill this task in order to cover the needs of all the actors involved in STI in the country, a study was carried out at a national level to know the current state of the processes and the computer supports of the research centers, research institutes and universities of the country to know their needs, and be able to pursue a common goal.

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Current Research Information Systems

The International Organisation for Research Information

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Digital Collections
Research Outputs
People
Organizations
DRIS
Help

EuroCRIS / EuroCRIS Research Output / Conference

Title:

Current Status of Research Information Management in Peru

Authors:

Melgar-Sasieta, Héctor-Andrés
Brossard-Núñez, Ian-Paul
Olivares-Poggi, César-Augusto

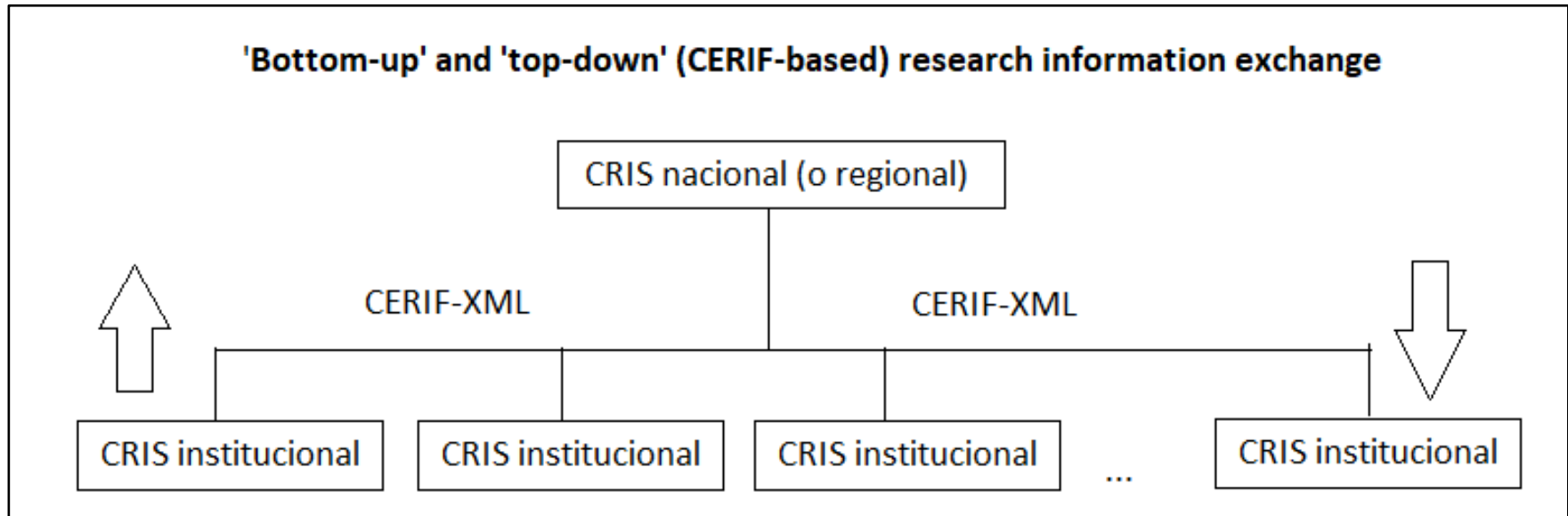
Keywords:

research information management
current research information systems
national CRIS
Peru

MoU CONCYTEC/euroCRIS (Lima, 1 Oct 2018)



Interoperabilidad (técnica) de sistemas: Externa



Interoperabilidad (técnica) de sistemas: Externa

'Bottom-up' and 'top-down' (CERIF-based) research information exchange

CRIS nacional (o regional)

a) Interoperabilidad: envío de información a través de sistemas CRIS institucionales



Participants

With DSpaceCRIS

- Instituto Nacional de Innovación Agraria
- Universidad Católica Santo Toribio de Mogrovejo
- Universidad Nacional de Ingeniería
- Universidad Peruana Cayetano Heredia

With Pure* (Elsevier)

- Universidad de Lima
- Universidad del Pacífico

Directory of Research Information Systems (DRIS)

Search the DRIS

Results 1-10 of 13 (Search time: 0.001 seconds).
Results/Page 10 | Sorted by Sorted by Title (restore sort by relevance)

previous 1 2 next

DRIS Entries			
Acronym	Name	Scope	Organisation
UC SUR CRIS	CRIS Universidad Científica del Sur	Institutional	Universidad Científica del Sur
CRIS Ulima	Current Research Information System of University of Lima	Institutional	Universidad de Lima
	Plataforma de Gestión de Conocimiento INIA	Institutional	Instituto Nacional de Innovación Agraria - INIA
CRIS UC	Plataforma Virtual de Investigación Universidad Continental	Institutional	Universidad Continental
PUCPCRIS	Portal de Investigación de la Pontificia Universidad Católica del Perú	Institutional	Pontificia Universidad Católica del Perú (PUCP)
UNICA CRIS	Portal de Investigación Universidad Nacional San Luis Gonzaga de Ica	Institutional	Universidad Nacional San Luis Gonzaga de Ica

Discover

Country

Peru13

Software

Pure9

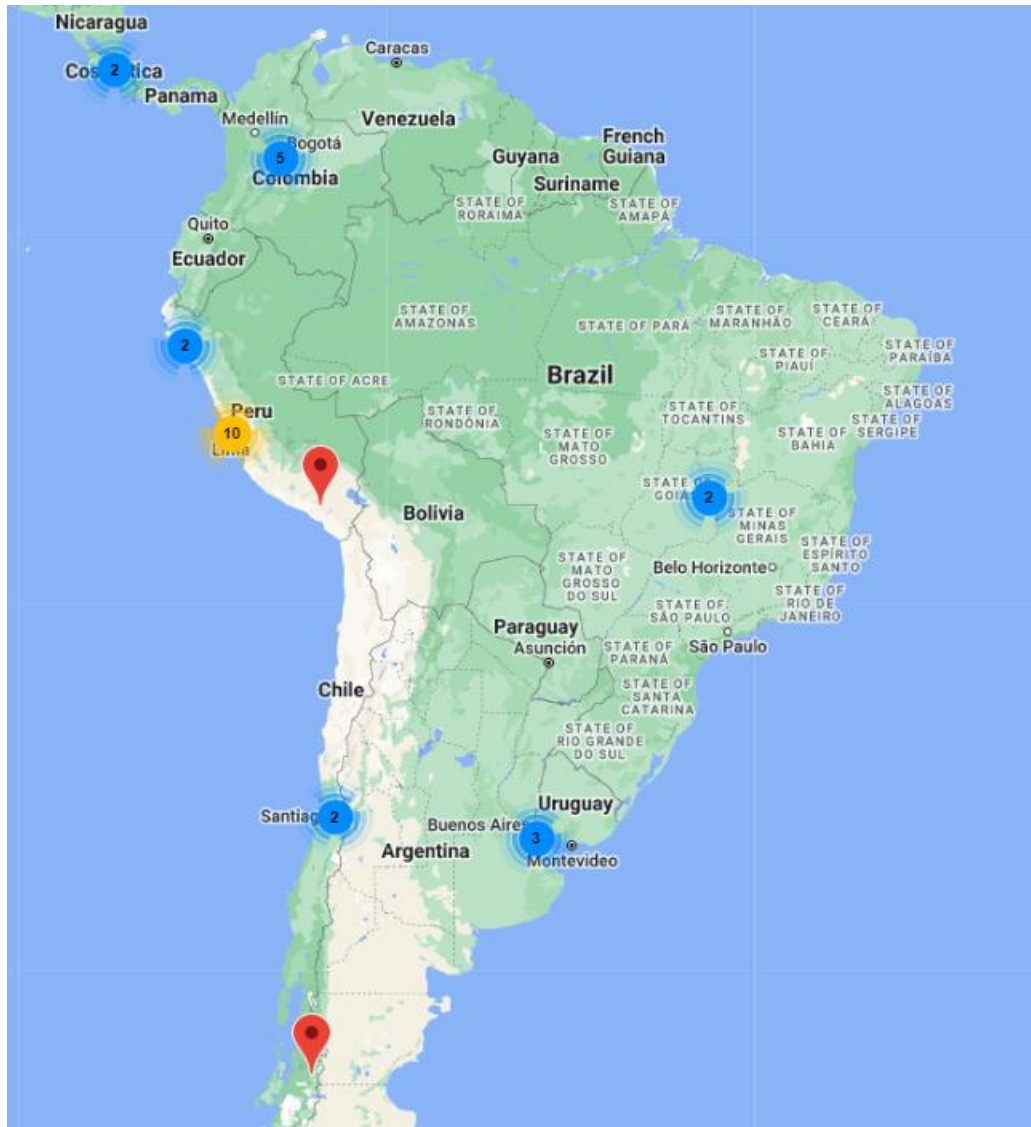
DSpace-CRIS4

Status

Operational12

Under Construction ...1

Directory of Research Information Systems (DRIS)



- Institutional CRIS more frequent than national ones
- National CRIS tend to use open source solutions
 - Dspace-CRIS (Peru)
 - VIVO (Panama, Brazil, Cuba)
- Hints at the value of a possible Latin American CRIS

Directory of Research Information Systems (DRIS)



“

***conviene pensar en la
viabilidad de un
#CRIS-LATINOAMÉRICA,
que sirva de horizonte para
todas las iniciativas
institucionales o nacionales
que están en progreso. Su factibilidad
depende en gran medida del
compromiso e involucramiento de
distintos actores y de la construcción
en un espacio colaborativo regional.
En este sentido, La Referencia se
presenta como un instrumento idóneo
para articular repositorios y sistemas
de información.***

.....

”





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¡Gracias!



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