

euroCRIS Session

VIVO in the euroCRIS Directory of
Research Information Systems (DRIS):
a growing presence, multiple use cases

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Follow-up session from 2019 VIVO Conference

EuroCRIS



Events 10th Annual VIVO Conference 2019

View Statistics

Info

Publications (All)

Results 1-7 of 7 (Search time: 0.001 seconds).

	Issue Date	Title	Author(s)
1	4-Sep-2019	The CRIS and RIM landscape: surveys	Mennielli, Michele
2	4-Sep-2019	Introduction to euroCRIS and CRIS Systems	Simons, Eduard
3	4-Sep-2019	Open to the public, proprietary inward: VIVO as public research portal on top of Converis	Herwig, Sebastian
4	4-Sep-2019	Promoting and facilitating interoperability with VIVO	Guillaumet, Anna
5	4-Sep-2019	The Research Information Management System Landscape	De Castro, Pablo
6	4-Sep-2019	Showcasing collaborations using VIVO: Re-using and combining Pure data	Veenstra, Nick
7	4-Sep-2019	VIVO Data Integration at TIB: Tools, workflows & connections with VIVO (as a CRIS and a RIMS)	Hauschke, Christian ; Walther, Tatiana

euroCRIS Track structure at 11th VIVO Conference

- "VIVO in the euroCRIS Directory of Research Information Systems (DRIS)" (Pablo de Castro, euroCRIS Secretary)
 - VIVO case studies in the euroCRIS DRIS: an overview
 - "VIVO as a standalone CRIS" (Dominik Feldschnieders, **Universität Osnabrück**)
- ➡ **10-15-min break**
- "VIVO as a front-end for an underlying 'monolithic' CRIS (I): the case of University of Milan" (Loredana Rollandi, **Università degli Studi di Milano**)
 - "VIVO as a front-end for an underlying 'monolithic' CRIS (II): the Universitat Pompeu Fabra (UPF) approach by SIGMA Research" (Anna Guillaumet, **SIGMA AIE**)
- Round table on the various ways to use VIVO to showcase the institutional research information

ToC for introductory talk

- Introduction: speaker's affiliation(s)
- The euroCRIS Directory of Research Information Systems (DRIS)
- VIVO implementations in the DRIS: a few remarks
- Two main configurations for VIVO-based systems
- CRIS vs Expert Finder Systems

Speaker's academic affiliation(s)

U Strathclyde in Glasgow – OA Advocacy



- Established 1796 as “the place for useful learning”
- 22,295 FTE Students and 3,200 staff (2017/18)
- Research: research grants and contracts income of £65.6m in 2017*
- Among the 20 top research-intensive universities in the UK

* 14.5% increase from previous year and an overall increase of over 60% over a six year period

Previously

- OpenAIRE2020 WP coordinator at LIBER (Assoc of European Research Libraries) in The Hague, the Netherlands
- EDINA National Data Centre, University of Edinburgh, UK
- Consejo Superior de Investigaciones Científicas (CSIC), Universidad Carlos III Madrid (UC3M), Spain

Speaker's academic affiliation(s)

euroCRIS Technical Secretary



- Non-profit based in the Netherlands
- Association of practitioners in the area of Research Information Management (RIM) and CRISs
- 175 institutional members with over 340 representatives,
<https://www.eurocris.org/community/members>
- Custodian for the Common European Research Information Format (CERIF)
- MoUs with several relevant organisations in the RIM domain – such as OpenAIRE, ORCID, COAR, CONCYTEC

euroCRIS: promoting collaboration... and CERIF



Mission

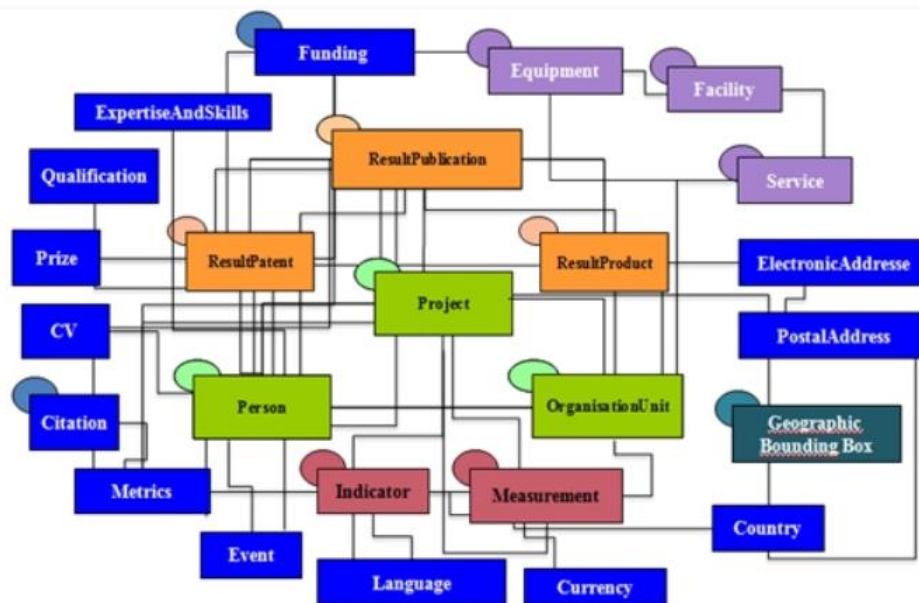
"To promote collaboration within the research information community and advance interoperability through CERIF"



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)

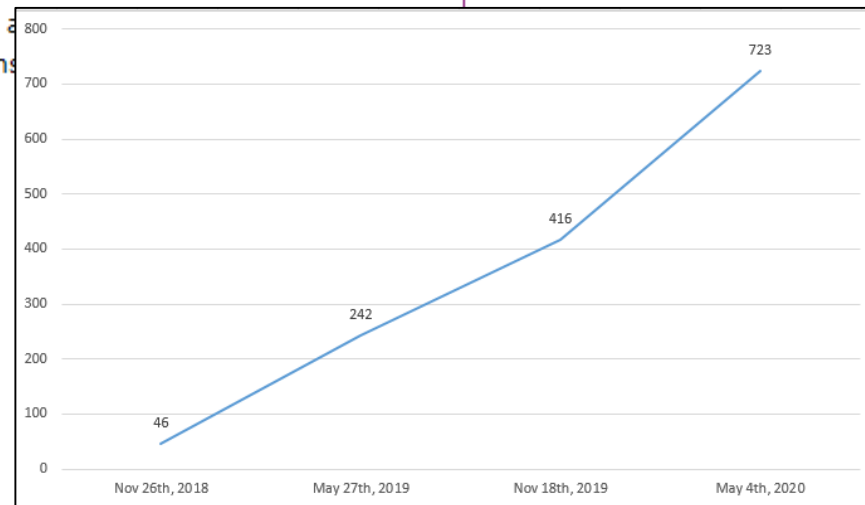


The euroCRIS DRIS

DRIS

The **Directory of Research Information Systems (DRIS)** is a euroCRIS initiative to map the available research information management infrastructure in Europe (and beyond). As of January 2020 it includes close to 450 CRIS systems for institutions, research funders and other bodies in multiple European countries and beyond.

The main reason for this Directory of CRIS systems is to try and collect a *comprehensive snapshot of how widely implemented these are across the European Research Area*. In conversations with the leads for European e-infrastructure development at euroCRIS events, it was expressed to have more information on the availability of such systems and their consideration as a building block for eg the EOSC.



Satellite



	Software	Status
166	IRINS	Operational
132	Pure	Under Construction ...
74	CRISin	In Preparation ...
68	IRIS	
42	In-house-built	
32	Symplectic Elements	
23	DSpace CRIS	

Search the DRIS

for

Go

Start a new search

> Add Filters

Results 1-10 of 14 (Search time: 0.001 seconds).
Results/Page | Sorted by Relevance

DRIS Entries			
Acronym	Name	Scope	Organisation
	VIVO@HSMW	Institutional	Hochschule Mittweida - University of Applied Sciences
	TIB VIVO	Institutional	Technische Informationsbibliothek (TIB)
	UF VIVO	Institutional	University of Florida
	Expertise UNIBS	Institutional	Università degli Studi di Brescia
	Scholars@UC	Institutional	Pontificia Universidad Católica de Chile
	Expertise UNIMI	Institutional	Università degli Studi di Milano
	ORBIS	Institutional	Universidad Autónoma San Luis Potosí (UASLP)
	Researchers@Brown	Institutional	Brown University
	UNA Red Académica	Institutional	Universidad Nacional de Costa Rica (UNA)
	CU Experts	Institutional	University of Colorado Boulder

Discover

By type

Research Outputs

81

DRIS

14

Events

1

Country

United States

4

Germany

3

Italy

3

Chile

1

Costa Rica

1

Mexico

1

Spain

1

Software

VIVO

10

Converis + VIVO

2

VIVO implementations in the DRIS: a few remarks

1. There are far too few VIVO entries in the directory, esp for U.S.-based implementations

DuraSpace Registry

Search Entries:

Technology

Country

Type of Organization

Access

Content Types

VIVO ▼

— ▼

— ▼

— ▼

— ▼

Search

Displaying 1 - 25 of 176

1 2 3 ... 8 »

Organization Name	Site Name	Site URL	Type of Organization	Country	Technology	Version
Albanian Institute of Science	Academic'al Researcher's Network	academical.al	research center	Albania	VIVO	1.7.x

VIVO implementations in the DRIS: a few remarks

1. There are far too few VIVO entries in the directory, esp for U.S.-based implementations

Main cause: *a live research portal is needed* for an entry to be featured on the DRIS

← → ↻ ⓘ Not secure | academical.al

Fatal error

The application detected a fatal error during startup.

- **FATAL: ApplicationSetup**
 - Failed to initialize the Application.
 - edu.cornell.mannlib.vitro.webapp.application.ApplicationSetup
 - java.lang.IllegalStateException: Vitro home directory '/home/academic/vivo/vivodata' does not exist
at edu.cornell.mannlib.vitro.webapp.application.VitroHomeDirectory\$HomeDirectoryFinder.<init>(VitroHomeDirectory.java:150)
at edu.cornell.mannlib.vitro.webapp.application.VitroHomeDirectory.find(VitroHomeDirectory.java:150)
at edu.cornell.mannlib.vitro.webapp.application.ApplicationSetup.contextInitialized(ApplicationSetup.java:150)
at edu.cornell.mannlib.vitro.webapp.startup.StartupManager.initialize(StartupManager.java:150)
at edu.cornell.mannlib.vitro.webapp.startup.StartupManager.contextInitialized(StartupManager.java:150)
at org.apache.catalina.core.StandardContext.listenerStart(StandardContext.java:4729)
at org.apache.catalina.core.StandardContext.startInternal(StandardContext.java:5167)
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
at org.apache.catalina.core.ContainerBase\$StartChild.call(ContainerBase.java:1408)
at org.apache.catalina.core.ContainerBase\$StartChild.call(ContainerBase.java:1398)
at java.util.concurrent.FutureTask.run(FutureTask.java:266)
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)
at java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:617)
at java.lang.Thread.run(Thread.java:745)

VIVO implementations in the DRIS: a few remarks

1. There are far too few VIVO entries in the directory, esp for U.S.-based implementations

Second main cause: Most euroCRIS members are European, euroCRIS events are held in Europe, hard to raise the DRIS elsewhere

euroCRIS
Current Research Information Systems

The International Organisation for Research Information

Dris Form

DRIS: Directory of Research Information Systems

Type
CRIS type. Possible values: institutional, funder, regional, national, international, aggregation, other

Organisation
Organisation served by the CRIS or running the CRIS

Name
Name of the CRIS. If there's also an acronym, it can be added in brackets

Platform

VIVO implementations in the DRIS: a few remarks

2. Very wide geographic distribution of VIVO implementations: opportunities for OSS community to network across countries*

Country		Software	
United States	4	VIVO	10
Germany	3	Converis + VIVO	2
Italy	3	IRIS	1
Chile	1	UXXI-INV + VIVO	1
Costa Rica	1		
Mexico	1		
Spain	1		

* It's important for instances based in non-Western countries to find opportunities to showcase their work too

VIVO implementations in the DRIS: a few remarks

3. A significant (and growing) presence in Europe for a U.S.-born and bred RIM system solution

Country	
United States	4
Germany	3
Italy	3
Chile	1
Costa Rica	1
Mexico	1
Spain	1

Software	
VIVO	10
Converis + VIVO	2
IRIS	1
UXXI-INV + VIVO	1

Two main configurations for VIVO systems in the DRIS

- VIVO as a *standalone* Research Information Management System
- VIVO as a research portal *on top of a ‘monolithic’ CRIS* (such as Converis, IRIS, Pure, SIGMA Research or UXXI-INV)

Software	
VIVO	10
Converis + VIVO	2
IRIS	1
UXXI-INV + VIVO	1

Clarivate

Web of Science™

Who we are forProductsResourcesServicesISI

VIVO

An official registered service provider of VIVO

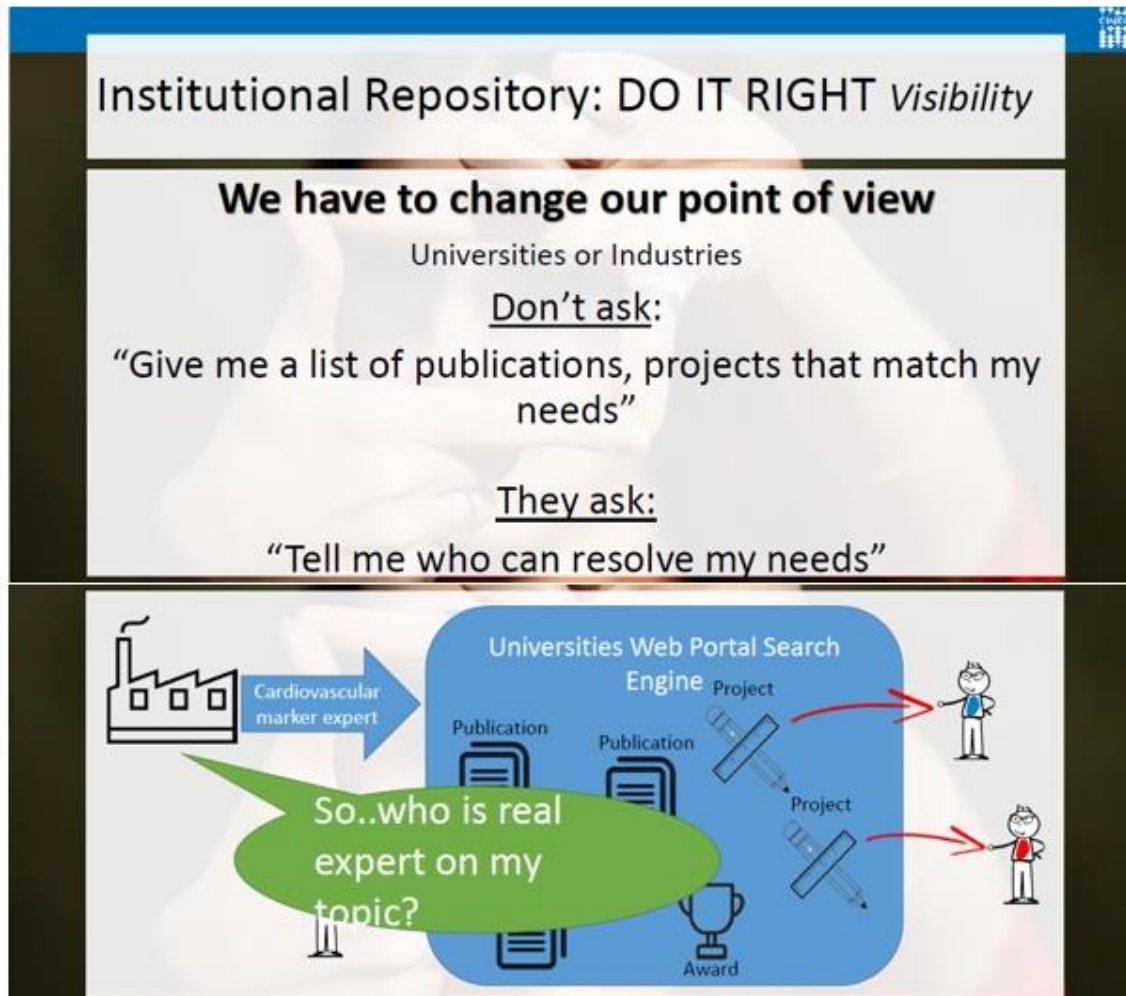
Contact us

Two main configurations for VIVO systems in the DRIS

- VIVO as a *standalone* Research Information Management System:
suitable for smaller institutions with a significant amount of research outputs that may not be easily retrieved from external sources (databases for international research literature eg Scopus)
- VIVO as a research portal *on top of a 'monolithic' CRIS* (such as Converis, IRIS, Pure, SIGMA Research or UXXI-INV):
More aligned with the 'standard' definition of a CERIF-based CRIS (main interlinked entities: people, organisations, projects, research outputs) *with an emphasis on expertise discovery*

Software	
VIVO	10
Converis + VIVO	2
IRIS	1
UXXI-INV + VIVO	1

CRIS vs Expert Finder Systems



The 'right' viewpoint:
External stakeholders
(esp Industry) may not
be that interested in the
CERIF entities, but
rather in *the expertise*
and *the (institutional)*
experts on a given
research topic

(slide: Federico Ferrario,
CINECA)

CRIS vs Expert Finder Systems

A few reasons why CRIS systems are important assets

- increased discoverability of research work and experts helps research funders identify suitable reviewers for the project proposals they receive and allows interested stakeholders (often Industry) to identify possible collaborators for public-private partnerships;
- increased awareness for the need for transparency and accountability for the public funding that supports the vast majority of the research activity carried out at universities and research centres;
- need for accurate and comprehensive data on research activity for evidence-based decision-making by the relevant stakeholders (governments, research funders);
- subsequent reporting requirements by research funders – for their funding programmes – and by governments via national-level research assessment exercises used to support the funding distribution to universities and research centres;
- internal reporting requirements at such institutions for decision-making processes including promotion;

Source: “The Rise of Current Research Information Systems (CRIS): The Case of the Indian Research Information Network System (IRINS)”, IndiaRxiv preprint, <https://doi.org/10.35543/osf.io/uv5pg>

The Indian Research Information System Network (IRINS)

Discover

Country

India	185
Norway	132
Italy	76
United Kingdom	68

Software

IRINS	184
Pure	162
CRIStin	131
IRIS	70



Source: “The Rise of Current Research Information Systems (CRIS): The Case of the Indian Research Information Network System (IRINS)”, IndiaRxiv preprint, <https://doi.org/10.35543/osf.io/uv5pg>

VIVO influences RIM landscape beyond the number of its implementations

A specific feature of the way the CRIS infrastructure is evolving in India is its strong emphasis on expertise discoverability. This is partially a consequence of having the Vidwan Expert Database as a starting point, but it's also a conscious choice that led to the consideration of VIVO as a possible institutional CRIS platform to roll out. The INFLIBNET Centre conducted two 3-day workshops on implementing VIVO as an institutional RIM system in Nov 2015 and Aug 2017 (INFLIBNET 2017).



Source: “The Rise of Current Research Information Systems (CRIS): The Case of the Indian Research Information Network System (IRINS)”, IndiaRxiv preprint, <https://doi.org/10.35543/osf.io/uv5pg>

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Thanks!

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