

OpenAIRE compatibility for CRIS systems: recent progress

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The CERIF-XML Guidelines have been around...

M.K. Elbæk, Technical University of Denmark, Lyngby

N. Houssos, EKT/NHRF, Athens

B. Jörg, Jisc, ISC, UKOLN, University of Bath, CASRAI UK

OpenAIRE Guidelines for CRIS Interoperation based on CERIF XML



EuroCRIS membership meeting, Bonn 13 – 14 May 2013

<http://hdl.handle.net/11366/150>

CRIS 2014

OpenAIRE Guidelines: supporting interoperability for Literature Repositories, Data Archives and CRIS

Pedro Príncipe^a, Najla Rettberg^b, Eloy Rodrigues^c, Mikael K. Elbæk^d,
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<http://hdl.handle.net/11366/321>

13th International Conference on Current Research Information Systems, CRIS2016, 9-11 June
2016, Scotland, UK

Progress in the Implementation of the OpenAIRE Guidelines for CRIS Managers

Pablo de Castro^{a*}, Jochen Schirrwagen^b, Dimitris Karaiskos^c, Jan Dvořák^d, Andrea
Bollini^e, Vasilis Bonis^e, Nikon Gasparis^f, Victoria Tsoukala^c, Paolo Manghi^g, Pedro
Príncipe^h

<http://hdl.handle.net/11366/502>

... but we still do not have any CRIS data provider



1153 OPENAIRE COMPATIBLE DATA PROVIDERS



FILTER BY

CLEAR ALL FILTERS

Filter by keywords

FILTER BY DATA PROVIDER TYPE

☐ [Publication Repositories](#)

☐ Data Repositories

☐ Journals

☒ CRIS Systems

☐ Publication Catalogues

☐ Publication Repositories Aggregators

☐ Data Repositories Aggregators

☐ Journals Aggregators

FILTER BY COMPATIBILITY LEVEL

Show 10 entries

Showing 0 to 0 of 0 entries (filtered from 1,153 total entries)

Previous

Next

Name

▲ Type



Country



Institution



Compatibility



No matching records found

Showing 0 to 0 of 0 entries (filtered from 1,153 total entries)

Previous

Next

<https://www.openaire.eu/search/data-providers#cris>

Main reason why: updated Guidelines for CRIS



OpenAIRE Guidelines for CRIS Managers updated

Jochen Schirrwagen · 2018-01-31 · infrastructure services & data, scholarly communication · Add Reply



This is to announce the draft publication of the updated OpenAIRE Guidelines for CRIS Managers. As of January 31st, 2018, the updated version has been completed for the CRIS Guidelines that were originally released in July 2015. The current release is published under an RFC status.

OpenAIRE Guidelines for CRIS Managers, version 1.1

Jan Dvořák, Andrea Bollini, Laurent Remy (editors)

A couple of interesting case studies

STARDUST

Project ID: 317185
Funded under: [FP7-PEOPLE](#)

Stardust-The Asteroid and Space Debris Network

From 2013-02-01 to 2017-01-31, closed project | [STARDUST Website](#)

Project details

Total cost: EUR 4 049 908,72	Topic(s): FP7-PEOPLE-2012-ITN - Marie-Curie Action: "Initial Training Networks"
EU contribution: EUR 4 049 908,72	Call for proposal: FP7-PEOPLE-2012-ITN See other projects for this call
Coordinated in: United Kingdom	Funding scheme: MC-ITN - Networks for Initial Training (ITN)

Objective

Asteroids and space debris represent a significant hazard for space and terrestrial assets; at the same time asteroids represent also an opportunity. In recent years it has become clear that the increasing population of space debris could lead to catastrophic consequences in the near term. The Kessler syndrome (where the density of objects in orbit is high enough that collisions could set off a cascade) is more realistic than when it was first proposed in 1978. Although stat...

Related information

Result In Brief	European network explores asteroid and space debris threat
Report Summaries	Final Report Summary - STARDUST (Stardust-The Asteroid and Space Debris Network)
Open Access publications (33) via 	Sensitivity analysis and probabilistic re-entry modelling for debris using high dimensional model representation based uncertainty treatment Mishra, Priyash M.; Kubicki, Martin; Miniaci, Edmondo; Vassili, Massimiliano Advances in Space Research 59(1) 193-211 2016 doi:10.1016/j.asr.2016.08.022
	The dynamical structure of the MEO region: long-term stability, chaos, and transport Dequin, Jerome; Rosengren, Aaron J.; DiLillo, Marco; Alessi, Elia Maria; Valsecchi, Giovanni B.; Rossi, Alessandro 2015 doi:10.1007/s10599-015-9669-9
	Analytical development of the lunisolar disturbing function and the critical inclination secular resonance Colletti, Alessandro; Galay, Cătălin; Russotto, Giuseppe; Rosengren, Aaron J. 2015 doi:10.1007/s10599-016-9726-8
News	STARDUST presents techniques for tackling space debris and asteroids

Coordinator

UNIVERSITY OF STRATHCLYDE
Richmond Street 16
G1 1XQ GLASGOW
United Kingdom

United Kingdom
EU contribution: EUR 991 170,84

Activity type: Higher or Secondary Education Establishments

- There are issues for EU-funded project outputs to reach the OpenAIRE aggregation where an institutional repository is not OpenAIRE-compliant
- This is frequently the case in the UK at the moment – with a large amount of EU-funded projects coordinated in the country
- In order for this lack of system interoperability to be tackled, institutions are frequently depositing items twice: first in their IR, then in Zenodo
- This is not reasonable



SASATIN

Project ID: 615030
Funded under: [FP7-IDEAS-ERC](#)

Soft and Small: Acoustic Transducers Inspired by Nature

From 2014-02-01 to 2019-01-31, ongoing project

Project details

Total cost: EUR 1 997 854,80	Topic(s): ERC-CG-2013-LS9 - ERC Consolidator Grant - Applied Life Sciences and Non-Medical Biotechnology
EU contribution: EUR 1 997 854,80	Call for proposal: ERC-2013-CoG See other projects for this call
Coordinated in: United Kingdom	Funding scheme: ERC-CG - ERC Consolidator Grants

Objective

"The use of sound by humanity is ubiquitous. We utilise sound across a far greater range than we can hear for numerous extremely beneficial tasks. In Nature many animals have evolved ears, many of which are sensitive to sounds beyond human audibility. This includes an enormous variety of insects whose miniature ears detect sound to communicate, to detect their prey, or to avoid their own predators. Over recent years our understanding of the different insect ear functions, su...

Related information

Report Summaries	Mid-Term Report Summary - SASATIN (Soft and Small: Acoustic Transducers Inspired by Nature)
Open Access publications (6) via 	Bioinspired 3D-printed piezoelectric device for acoustic frequency separation Dominguez-Roca, R.; Jackson, J. C.; Windmill, J. P. C. 2017 doi:10.5281/zenodo.1094662, doi:10.5281/zenodo.1094661
	3D-printing polymer-based permanent magnets 2018 doi:10.1018/j.mesdes.2018.05.008
	Bio-inspired 3D-printed piezoelectric device for acoustic frequency selection 2017 doi:10.1018/j.mes.2017.12.006

Host Institution

UNIVERSITY OF STRATHCLYDE
Richmond Street 16
G1 1XQ GLASGOW
United Kingdom

United Kingdom
EU contribution: EUR 1 997 854,80

Activity type: Higher or Secondary Education Establishments

Administrative contact: Martin Gregory
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Fax: +44 1415524409
[E-mail](#)

A couple of interesting case studies

<https://www.skcris.sk/portal/home>

SKCRIS
INFORMAČNÝ SYSTÉM O VEDE A VÝSKUME

Searching

Homepage Registry of researchers Registry of organizations Registry of projects Results R&D

WELCOME

At the date 11. 6. 2018 is registered
28,474 researchers

At the date 11. 6. 2018 is registered
18,043 projects

At the date 11. 6. 2018 is registered
1,814 organisations

At the date 11. 6. 2018 is registered
344,748 results of RaD

OpenAIRE

Search keywords

COUNTRY

- Sweden (1415)
- Austria (1246)
- Switzerland (1197)
- Greece (1077)
- Denmark (1032)
- Poland (1010)
- Portugal (990)
- Finland (920)
- Norway (862)
- Ireland (809)
- Romania (631)
- Hungary (627)
- Czech Republic (609)
- Israel (558)
- Turkey (556)
- Slovenia (460)
- Croatia (449)
- Bulgaria (405)
- China (People's Repub... (370)
- Russian Federation (349)
- Slovakia (303)**
- India (285)
- Estonia (284)
- Canada (251)

- There are countries where a national-level CRIS systems contains a far larger amount of information on research outputs than the network of OpenAIRE-compliant institutional repositories
- In these cases, a large fraction of the records for EU-funded project outputs never make it into the aggregation – again due to the lack of system interoperability between CRISs and OpenAIRE

There is progress to report though



euroCRIS
Current Research Information Systems



CERIF

The International Organisation for Research Information

Projects

euroCRIS is currently participating in various international projects. These include some EU-funded projects. On top of this, funding has recently been secured for the OpenAIRE-supported METIS2OpenAIRE project.

Ongoing projects

METIS2OpenAIRE (2018-02-01 to 2018-05-15)

The [METIS2OpenAIRE project](#) has been awarded funding under the end-of-2017 [OpenAIRE call for tenders](#). The project, funded in the category of 'Repository Tools and Services', sets out to make a first institutional CRIS system compatible with the [recently released](#) updated version (v1.1) of the CERIF-XML OpenAIRE Guidelines for CRIS Managers. This work to enhance system interoperability will first and foremost be carried out on the [METIS CRIS](#) at Radboud University Nijmegen in the Netherlands. In order to ensure a widespread adoption of the new OpenAIRE Guidelines, the project is also working with two external, budget-neutral partners that have committed to its implementation on their respective solutions: these are [Pure](#) and [OMEGA-PSIR](#)

Jisc Research Data Shared Service (RDSS)

Collaboration with the [Jisc RDSS project](#) for the CERIFICATION of the underlying data model. The Jisc RDSS aims to enable researchers to easily deposit data for publication, discovery, safe storage, long term archiving and preservation. euroCRIS is teaming up with the Jisc in order for the RDSS solution to achieve the maximum possible degree of system interoperability that

<https://www.eurocris.org/projects>

“METIS2OpenAIRE sets out to make a first institutional CRIS system OpenAIRE-compatible as per the updated version of the CERIF-XML Guidelines for CRIS Managers”

METIS2OpenAIRE project

METIS2OpenAIRE partners

- euroCRIS
- METIS institutional CRIS at Radboud U

External, budget-neutral partners

- Pure (Elsevier)
- Omega-PSIR

WP1: Coordination

WP2: Technical development

Task 2.1: Enabling OAI-PMH CERIF feed exposure via OAI-PMH endpoint

Task 2.2: Development of the OAI-PMH test drive validator

Task 2.3: Integration testing for the OAI-PMH CERIF feed from METIS

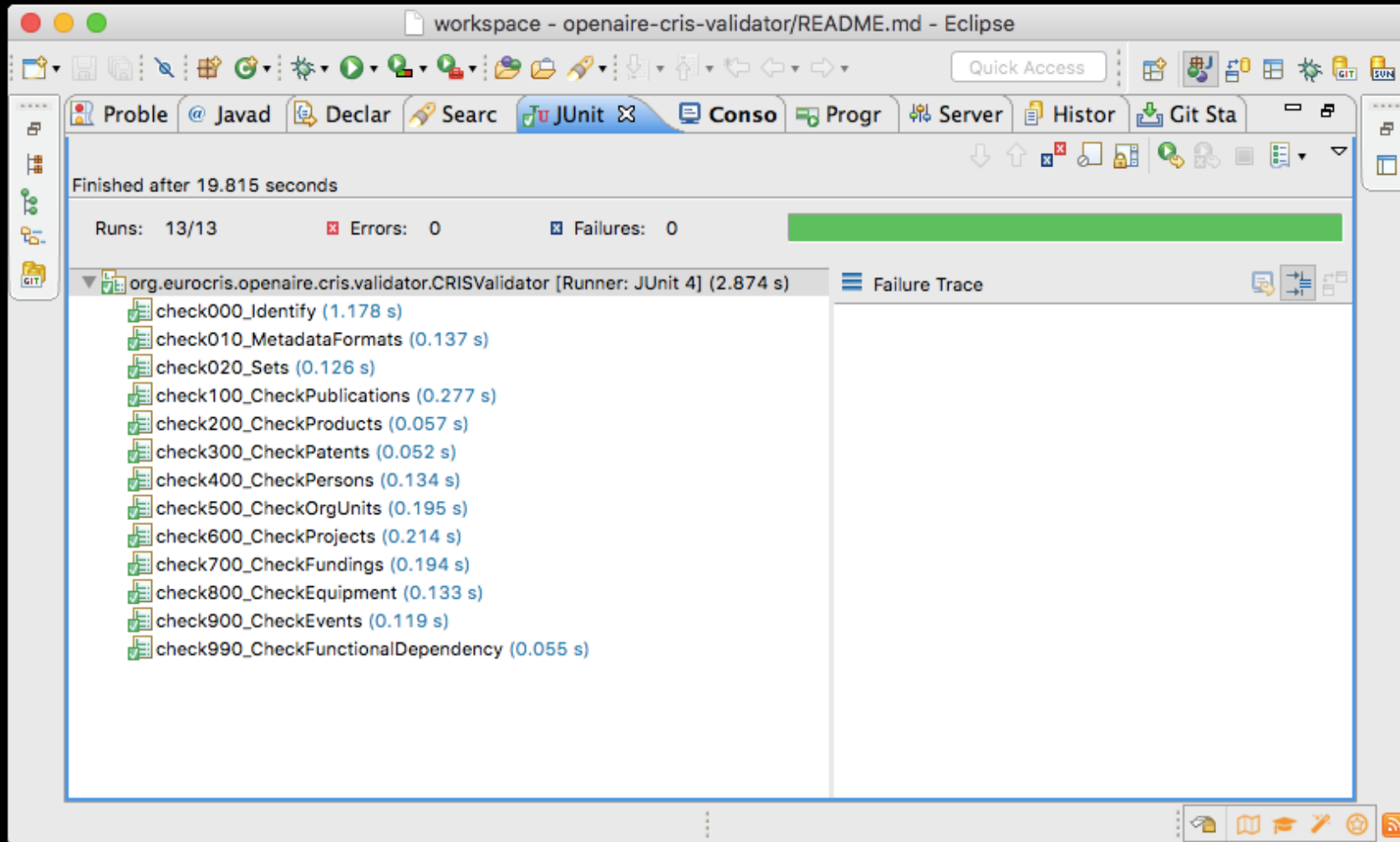
Task 2.4: Assisting the (external) CRISs in the mapping of their internal models to meet the requirements expressed by the OpenAIRE Guidelines

WP3: Dissemination

Chronogram for the implementation of the OpenAIRE Guidelines on METIS

	Feb'2018	Mar'2018	Apr'2018	May'2018
WP1				
WP2 – Task 2.1				
WP2 – Task 2.2				
WP2 – Task 2.3				
WP2 – Task 2.4				
WP3				

A minimally sufficient CRIS validator



- Checks all nine sets (or object types) exposed via the CRIS OAI-PMH endpoint
- Integrity checks plus validation of every record against the XML Schema defined in the specification
- 300,000 METIS records
- Openly available in Github
- Being tested with 'external' METIS2OpenAIRE partners
- Two-way enhancements as a result of issues encountered while testing

Concurrent progress taking place

4Science awarded by OpenAIRE!

 Posted by 4Science  On Friday February 23rd, 2018  0 Comments

The proposal for an implementation, aimed at increasing the interoperability features supported by the most broadly used platforms in the open science ecosystem for Literature Repositories, Data Repositories, Journals platforms and CRIS/RIMS, such as DSpace, Dataverse, OJS and DSpace-CRIS, has been selected for funding, under the [OpenAIRE call for services](#), launched last December.

The tender by 4Science focuses on two main topics:

- implementation and customization of new protocols;
- implementation of OpenAIRE metadata guidelines and OpenAIRE-APIs interaction.

In particular, 4Science will implement:

- the Signposting patterns in OJS;
- the ResourceSync framework in DSpace;
- the OpenAIRE Guidelines for Data repositories in Dataverse and DSpace-CRIS;
- the OpenAIRE project API in DSpace-CRIS.

Next steps: making the handshake happen



- End-goal is to have CRIS records displayed within the OpenAIRE aggregation: not there yet
- Work around METIS to continue beyond funded-stage of METIS2OpenAIRE to make this handshake happen
- 300,000 METIS records already available for ingestion
- A persistent unique identification for the provenance is required
- euroCRIS Directory of Research Information Systems (DRIS) a potentially useful starting point



The screenshot shows the euroCRIS website interface. The header includes the euroCRIS logo and the text "The International Organisation for Research Information". Below the header is a navigation bar with links to Repository, Digital Collections, Research Outputs, People, Organizations, DRIS, and Help. A search bar and a "Sign on to:" link are also present. The main content area displays the title "Research Object METIS Research Information System" and a "Details" section. The details section includes the following information:

Name of the CRIS	METIS Research Information System	Acronym	METIS
Description	METIS is the CRIS of Radboud University It was implemented already in 1994 and as such is one of the oldest fully fledged CRIS's in Europe.		
Date of establishment	01-04-1993	Number of users	750
Institution/organization	Radboud University Nijmegen	Department	Central Management
CRIS data supply	Faculties	CRIS data validation	Central Administration
Country	Netherlands	CRIS data output	Central Management

Thanks!

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