

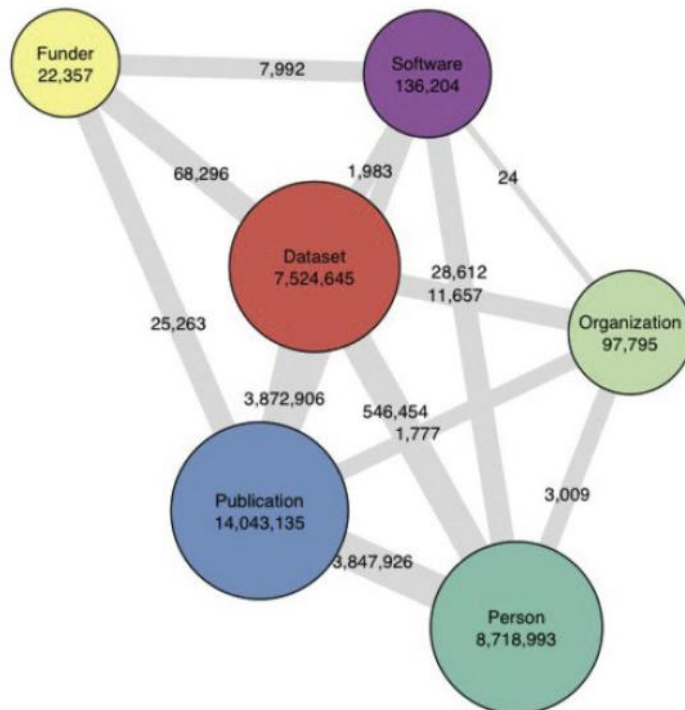
PID NETWORK
DEUTSCHLAND

PIDs für Open-Access-
Publikationsdienste und
Forschungsinformationssysteme

20 March 2024 – Universität Bielefeld

Pro & Contra für PID von FIS-Diensten in Registraturen

<http://hdl.handle.net/11366/2522>



Pablo de Castro
euroCRIS Secretary

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<https://cris2024.eurocris.org/>



Emerging trends for international collaboration in the CRIS domain

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

Vienna, Austria
May 15-17, 2024

Piloting the use of RAiD in research.fi

Tommi Suominen¹, Laura Himanen¹, Walter Rydman¹, Sonja Sipponen¹
and Clifford Tatum²

¹CSC - IT Center for Science, Espoo, Finland

² SURF, Utrecht, The Netherlands

**ORCID myths and misconceptions, and the search for truth in the context of
current research information systems (CRIS)**

Francisco Alsina and Christian Gumpenberger

Piloting the use of PIDGRAPH data in research.fi

Tommi Suominen¹, Laura Himanen¹, Lauri Hellsten¹ and Mike Bennett²

¹CSC - IT Center for Science, Espoo, Finland

² DataCite, Hannover, Germany



PID Network Germany

community building and national roadmap
development across ten PID use cases

Andreas Czerniak

0000-0003-3883-4169

Jochen Schirrwagen

0000-0002-0458-1004

euroCRIS Spring Membership Meeting 2023, May 30 - June 1 2023, Brussels, Belgium

The euroCRIS Directory of Research Information Systems (DRIS)

The screenshot shows the euroCRIS website interface. At the top, the URL is <https://dspacecris.eurocris.org/cris/explore/dris>. The header features the euroCRIS logo and the tagline "The International Organisation for Research Information". Below the header, there is a navigation menu with options: Repository, Digital Collections, Research Outputs, People, Organizations, DRIS, and Help. A search icon and a "Sign on to:" dropdown are also present. A breadcrumb trail shows "EuroCRIS / DRIS". The main content area is titled "Browse" and "Search the Directory of Research Information System (DRIS)". It includes a search form with three dropdown menus for "Name", "Country", and "Scope", each currently set to "All". There are three input fields for search terms, with the first containing a vertical bar "|". To the right of the input fields are two dropdown menus for logical operators, both set to "AND", and a blue button with a "+" sign. At the bottom of the search area are "Reset" and "Search" buttons.

- > 1,400 entries as of today
- Metadata for system description provided by organisation hosting the CRIS

The euroCRIS Directory of Research Information Systems (DRIS)



https://dspacecris.eurocris.org/cris/driscris01856



euroCRIS

Current Research Information Systems

The International Organisation for Research Information



Repository

Digital Collections

Research Outputs

People

Organizations

DRIS

Help



Sign on to: ▾

EuroCRIS

DRIS record Universität Bielefeld FIS

View Statistics

Email Alert

RSS Feed

Information

DRIS Details

Name of the CRIS Universität Bielefeld FIS **Acronym** UniBi FIS

Description

Institutional Research Information System implemented under the [regional CRIS.NRW initiative](#) in North Rhine-Westphalia, see [Uni Bielefeld FIS project webpage](#). The institutional research information system is based on a 'monolithic CRIS' based on HISInOne-RES with a VIVO portal acting as a front-end.

Status Operational

Scope Institutional

URI <https://ubi.cris.nrw/vivo/>

Institution/organization Universität Bielefeld **Country** Germany

Software HISinOne-RES

The euroCRIS Directory of Research Information Systems (DRIS)

https://fis-portal.uni-bielefeld.de/vivo/



Persons

Publications

Projects

Organization

Strategic Research Areas

On our own behalf

The research portal is currently under construction. At the moment, it only depicts a section of the research activities carried out at Bielefeld University.

Status Operational

Scope Institutional

URI <https://ubi.cris.nrw/vivo/>

Institution/organization Universität Bielefeld **Country** Germany

Software HISinOne-RES

One step back: The “Building the Plane” KE report – and associated case studies



- “... to identify, through investigation, analysis and recommendations, the best possible **strategic and operational paths** to achieve a well-functioning PID infra for KE member states and beyond”
- “... to identify the **main risks** when pursuing a well-functioning PID infrastructure for research, and to better understand the most important elements of **trust** in creating said infrastructure”

DFG



Jisc

CNRS

SURF

DeiC
DANSK - INFRASTRUCTURE COOPERATION

The “Building the Plane” report – and associated case studies

Report:

Building the plane as we fly it: the promise of Persistent Identifiers, <https://zenodo.org/record/7258286>

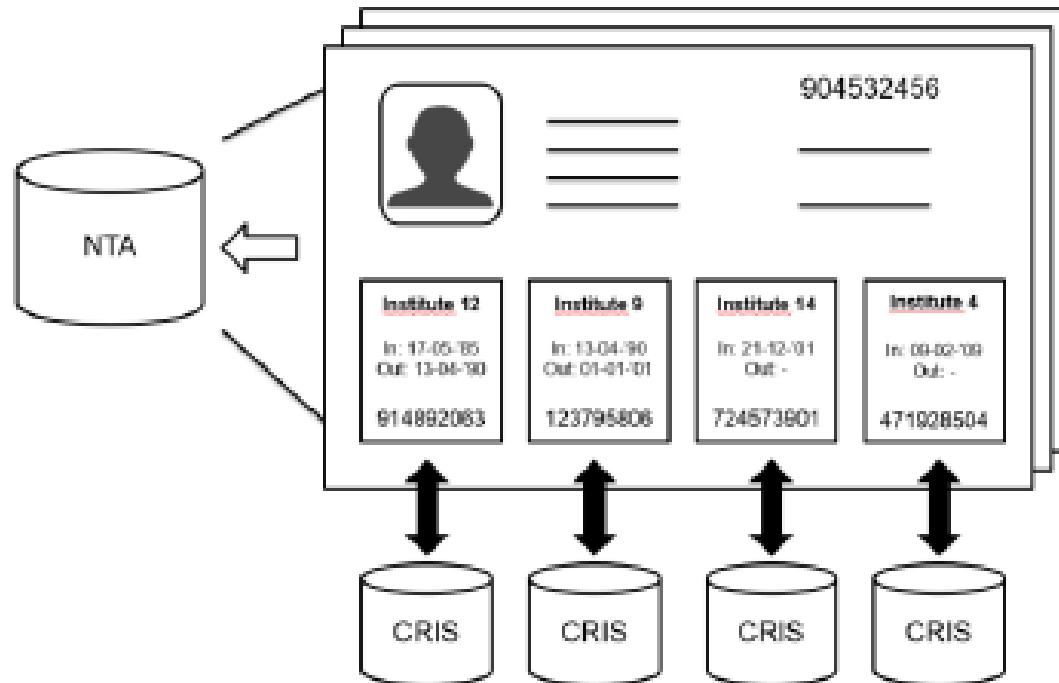
Case studies:

- Adoption of the DAI in the Netherlands and subsequent superseding by ORCID/ISNI, <https://zenodo.org/record/7327505>
- The gradual implementation of organisational identifiers (OrgIDs), <https://zenodo.org/record/7327535>
- PIDs for research instruments and facilities: an emerging PID domain in need of coordination, <https://zenodo.org/record/7330372>
- IGSN – building and expanding a community-driven PID system, <https://zenodo.org/record/7330498>
- RePEc Author Service: An established community-driven PID, <https://zenodo.org/record/7330516>
- Failed PIDs and unreliable PID implementations, <https://zenodo.org/record/7330527>
- The role of research funders in the consolidation of the PID landscape, <https://zenodo.org/record/7258210>

CRIS – and specifically national/regional CRIS – uniquely placed to adopt/implement PIDs at a national level

- ‘Historical’ case study: Digital Author Identifier (DAI) in the Netherlands

De Digital Author Identifier (DAI) is het unieke nummer voor Nederlandse wetenschappelijke auteurs. Dit nummer is in 2005 als onderdeel van het SURF DARE programma ontwikkeld en sindsdien in gebruik bij alle Nederlandse universiteiten en een aantal onderzoeksinstituten.



Figuur 1: Visualisatie van NTA record met onderzoeksblokken van verschillende instellingen.

This potential trust-related issue was successfully addressed via the direct involvement of institutions – mainly via their CRIS administrators – in the process for issuing author identifiers of one sort or another. The original workflow for minting DAIs involved the coupling between the institutional METIS CRIS and the Dutch Thesaurus NTA as shown in the figure on the next page. This was a manual process carried out by each METIS CRIS administrator. Multiple or successive researcher's affiliations with various Dutch institutions could thus overlap into a single DAI that would receive input from different CRIS systems.


"Nota toekomst Nederlandse infrastructuur voor auteurs identifiers",

<https://docplayer.nl/8892670-Nota-toekomst-nederlandse-infrastructuur-voor-auteursidentifiers.html>

CRIS – and specifically national/regional CRIS – uniquely placed to adopt/implement PIDs at a national level

- OrgIDs being centrally implemented by the NVA CRIS in Norway (formerly CRISin) by merging a number of authority data sources (incl ROR)

 The Brønnøysund Register Centre

Language 

Search 

The content is not available in English.

[Forsiden](#) | [Produkter og tjenester](#) | **Nøkkelopplysninger fra Enhetsregisteret**

Nøkkelopplysninger fra Enhetsregisteret

Organisasjonsnummer:

919 303 808

Navn/foretaksnavn:

SINTEF AS

Organisasjonsform:

Aksjeselskap

Forretningsadresse:

Strindvegen 4
7034 TRONDHEIM

Kommune:

TRONDHEIM

Postadresse:

Postboks 4760 Torgarden
7465 TRONDHEIM

CRIS – and specifically national/regional CRIS – uniquely placed to adopt/implement PIDs at a national level

- Funding registry within PT-CRIS (will eventually lead to grantIDs)



Procedia Computer Science
Volume 211, 2022, Pages 74-82



Part of special issue

15th International Conference on
Current Research Information
Systems

Edited by Miguel-Angel Sicilia, Pablo De-Castro,
Sadia Vancauwenbergh, Ed Simons, Orel Ognjen

Developing a national science & technology funding registry in Portugal

[Cátia Laranjeira](#)^a , [Joana Nabais](#)^a, [Daniel Gomes](#)^a, [Pedro Lopes](#)^a, [João Mendes Moreira](#)^a

Abstract

Funding information is one of the pillars of the research information ecosystem. Despite this, it is still very challenging to associate scientific outputs to all the entities that financially support a project and all the stakeholders involved. To tackle such limitation, PTCRIS—a national integrated research information management ecosystem—developed a new infrastructure to support the management of funding attributed to the scientific triad in the Portuguese scientific ecosystem: organizations, people and projects. The SciPROJ database is the new national database that aggregates funding records (national and international) that support science and technology activities carried out in Portugal.

<http://hdl.handle.net/11366/1969>

CRIS – and specifically national/regional CRIS – uniquely placed to adopt/implement PIDs at a national level

- FRIS already collecting info on research instruments and facilities in Flanders

FRIS: Metadata model for research infrastructure

► Characteristics

→ 25 metadata fields

- Identifier
- Federated identifier
- Name
- Acronym
- Description
- Keywords
- Type
- Location type
- Accessibility
- User modalities
- Starting date
- End date
- Location(s)
- Contact
- Website
- Technology classification (Fraunhofer-35)
- Research disciplines (FRDS)
- Data provider is consortium coordinator?
- Consortium coordinator
- Organisation(s) of consortium partners of infrastructure project
- Affiliations of consortium partners of the infrastructure project that provide data to FRIS
- Link to funding project(s)
- Link to projects utilizing infrastructure
- Link to publications utilizing infrastructure
- Link to other infrastructure

A two-stage PID implementation process*?

1. Data collection based on internal IDs (these will often be persistent but not always resolvable)
2. Adoption of 'international' PIDs once the standard is mature

Roadmap (2023/24)



Public API



Increase data quality,
coverage and usage



Discovery into value-added
features



Understand institutional
systems and workflows



Review metadata
standards and PIDs



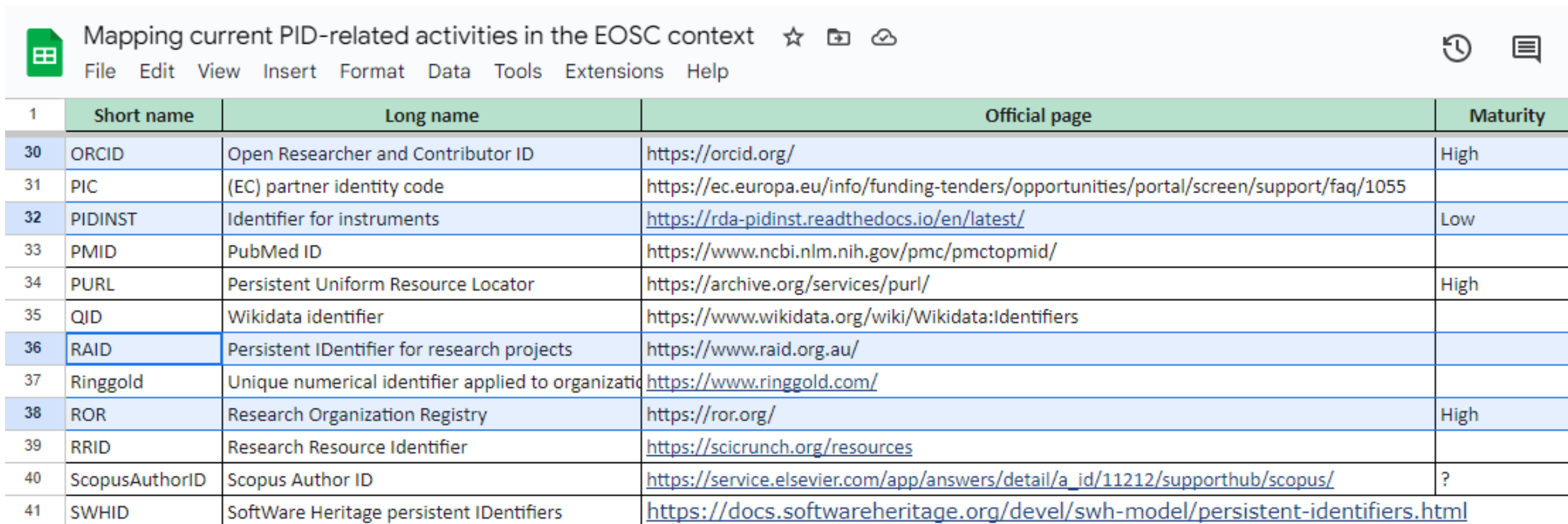
Sustainability / Strategic
partnership

* Not necessarily via CRIS, it may be any database

<https://equipment.data.ac.uk/>

Good – but how long does it take for a ‘new’ PID to consolidate?


1. Data collection based on internal IDs (these will often be persistent but not always resolvable)
2. Adoption of ‘international’ PIDs **once the standard is mature**



The image shows a screenshot of a Google Sheets spreadsheet. The title bar reads "Mapping current PID-related activities in the EOSC context" and includes icons for star, folder, and cloud. The menu bar lists "File", "Edit", "View", "Insert", "Format", "Data", "Tools", "Extensions", and "Help". The spreadsheet contains a table with 5 columns: "Short name", "Long name", "Official page", and "Maturity". The rows are numbered 1 to 41. The table lists various Persistent Identifiers (PIDs) and their associated information.

1	Short name	Long name	Official page	Maturity
30	ORCID	Open Researcher and Contributor ID	https://orcid.org/	High
31	PIC	(EC) partner identity code	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/faq/1055	
32	PIDINST	Identifier for instruments	https://rda-pidinst.readthedocs.io/en/latest/	Low
33	PMID	PubMed ID	https://www.ncbi.nlm.nih.gov/pmc/pmctopmid/	
34	PURL	Persistent Uniform Resource Locator	https://archive.org/services/purl/	High
35	QID	Wikidata identifier	https://www.wikidata.org/wiki/Wikidata:Identifiers	
36	RAID	Persistent Identifier for research projects	https://www.raid.org.au/	
37	Ringgold	Unique numerical identifier applied to organizations	https://www.ringgold.com/	
38	ROR	Research Organization Registry	https://ror.org/	High
39	RRID	Research Resource Identifier	https://scicrunch.org/resources	
40	ScopusAuthorID	Scopus Author ID	https://service.elsevier.com/app/answers/detail/a_id/11212/supporthub/scopus/	?
41	SWHID	SoftWare Heritage persistent IDentifiers	https://docs.softwareheritage.org/devel/swh-model/persistent-identifiers.html	

Good – but how long does it take for a ‘new’ PID to consolidate?

The image shows the top portion of a DataCite blog post. At the top left is a dark blue navigation bar with a white hamburger menu icon and the DataCite logo. To the right of the logo is a white button with rounded corners that says "Sign into Fabrica". Below the navigation bar is the main content area, which has a light blue background with faint line-art graphics. The title "PIDs for instruments: a way forward" is written in a large, bold, dark blue font. Below the title, there is a row of metadata: a calendar icon followed by "March 17th, 2020", a light blue pill-shaped tag with the text "Uncategorized", and "2 min Read". At the bottom left of this section is a URL: "https://doi.org/10.5438/tdk2-2g94".

≡ DataCite Sign into Fabrica

PIDs for instruments: a way forward

March 17th, 2020 Uncategorized 2 min Read

<https://doi.org/10.5438/tdk2-2g94>

As a community-driven organization, we continue to focus and explore use cases with our members. The persistent identification and citation of scientific instruments is a particular use case that continues to gain momentum across community stakeholders. The capacity to uniquely identify an instrument is critical for the community to gather contextual information and interpret the related data accordingly. As such, we are interested in continuing the conversation on how we can better serve this use case.

We have been working to understand specific use cases in more detail and ensure that our services are aligned to support these. The [RDA Persistent Identification for Instruments WG](#) reached the consensus that *an initial DOI for each instrument would work well*. If, however, the instrument should receive a new identifier every time it is overhauled or calibrated or deployed, then a second more flexible system (using the initial DOI of the instrument as a connecting identifier) would be useful. The group released the current draft for the data accordingly. As such, we are interested in continuing the conversation on how we can better serve this use case.



Matt Buys

<https://datacite.org/blog/pids-for-instruments-a-way-forward/>

The (Currently) Fragmented PID Landscape

Competing Technical Solutions

- OrgIDs: ROR vs Ringgold, record maintenance and the issue of multiple-level Org IDs



Copyright
Clearance Center



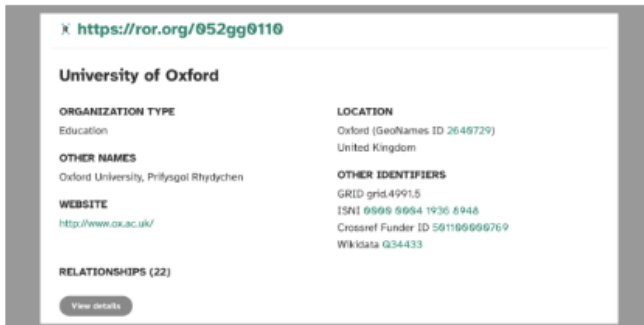
Home > Press Releases > CCC Announces Acquisition of Ringgold, Leading Provider of Organization Identifiers in Scholarly Communications

Press Releases

CCC Announces Acquisition of Ringgold, Leading Provider of Organization Identifiers in Scholarly Communications

3 May 2022 – Danvers, Mass.

Acquisition Reflects CCC's Ongoing Commitment to Promoting Interoperability, Addressing Market Friction, and Collaborating with Stakeholders



<https://ror.org/052gg0110>

University of Oxford

ORGANIZATION TYPE	LOCATION
Education	Oxford (GeoNames ID 2649729) United Kingdom
OTHER NAMES	OTHER IDENTIFIERS
Oxford University, Prifysgol Rhydychen	GRID grid.4991.5
WEBSITE	ISNI 0000 0004 1936 6946
http://www.ox.ac.uk/	Crossref Funder ID 5011000090769
RELATIONSHIPS (22)	Wikidata Q54433

[View details](#)

Use the registry

The Research Organization Registry (ROR) includes IDs and metadata for more than 102,000 organizations and counting.

Registry data is CC0 and openly available via a search interface, REST API, and data dump. Registry updates are curated through a community process and released on a rolling basis.



The (Currently) Fragmented PID Landscape



Persistent Identifiers

[Persistent Identifiers](#) ▾ [Services](#) ▾ [About us](#) [News](#)



[Home](#) / [ORCID](#) / ORCID will no longer support the RINGGOLD ID

ORCID will no longer support the RINGGOLD ID

[ORCID](#) / By [Hana Janečková](#) / 26. June 2023

Starting **from 1 August 2023**, the ORCID registry will no longer receive updates related to the unique [RINGGOLD ID](#) organization identifiers.

RINGGOLD IDs created after 1 August 2023 will no longer be processed by ORCID. The list of RINGGOLD ID identifiers already used by the ORCID registry will be maintained for the foreseeable future. However, as it will no longer be updated, the data will slowly become outdated.

Organisations using ORCID services are advised to:

- use the [ROR](#) organisation identifier
- convert existing organisation metadata into ROR where possible



The (Currently) Fragmented PID Landscape

‘Community’: an ambiguous concept

- PIDs and services associated with them need to be perceived as valuable and be in turn promoted by "the community"

2. Crossref grant IDs minted by research funders

Stakeholder	Role
Crossref	PID service provider: Crossref assigns a stack of DOIs (via a funder ID praefix) to research funders and guarantees PID persistence and the correct resolving*
Research funder	PID manager: funders join the Crossref funder advisory group and gather the expertise to start minting grant IDs for their funded projects**
HEI	PID user: institutions store the grant IDs in the metadata set for funded projects they keep in their CRIS systems*** Grant IDs are included as a part of the RAiDs HEIs mint***
Researchers	PID user: prompted by their funders and HEIs, researchers include the grant IDs in the acknowledgements section of their manuscripts***
Publisher	PID user: publishers allow these grant IDs to be provided on the manuscript submission systems and include them in the metadata set exported to Crossref – allowing the references to be picked in for instance individual ORCID profiles***

PID community stakeholders

- **Governing bodies**
- **PID Service Providers**
- **(Possible) PID Federation**
- **RDA Working Groups**
- **PID-related projects and initiatives**
- **International coordination bodies**
- **Publishers**
- **National offices**
- **National research and education network (NRENs)**
- **Research funders**
- **HEIs/research centres/institutes**
- **Researchers**
- **Start-ups**

So where do CRIS fit into this diverse group of stakeholders?

- Strong variations across countries. One clear best practice case study: Finland

National research and education network

4 languages

View history Tools

of the research and

projects.

JA.

Contents [hide]

(Top)

List of NRENs by geographic area

East and Southern Africa

North Africa

West and Central Africa

Asia Pacific

North America

Latin America

Caribbean

Europe

Nordic countries

Middle East

Central Asia

See also

References

External links

SANET - Slovakian NREN

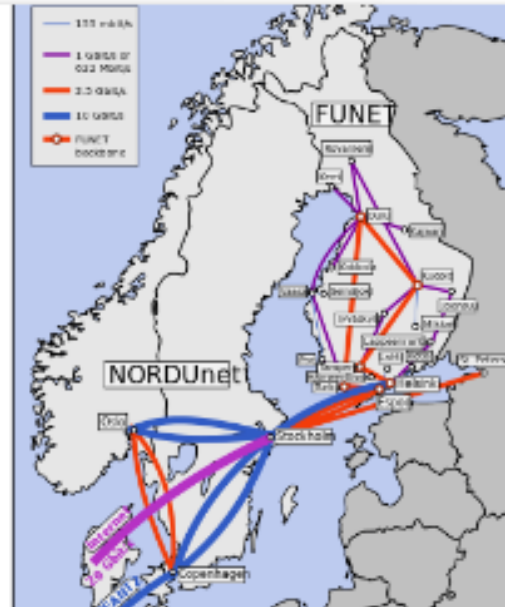
Re
SW
UL
UR
Jis
KR

FUNET is the Finnish University and Research Network, a backbone network providing Internet connections for Finnish universities and polytechnics as well as other research facilities. It is governed by the state-owned CSC – IT Center for Science Ltd. The FUNET project started in


Nordi

NO

- FUNET - Finnish NREN
- RHnet - Icelandic NREN
- SUNET - Swedish NREN
- UNINETT - Norwegian NREN



So where do CRIS fit into this diverse group of stakeholders?



O&A Members 80













Active Organisational & Affiliate members

RDA Groups WG & IGs: 107

Discover what RDA Working and Interest Groups and all other Groups are up to and find out how to join them. [Explore Groups](#)

- ABOUT RDA ▾
- GET INVOLVED ▾
- GROUPS ▾
- RECOMMENDATIONS
- RDA FOR DISCIPLINES ▾
- PLENARIES & EVENTS ▾
- NEWS & MEDIA ▾
- & OUTPUTS ▾

RDA National PID Strategies Guide and Checklist

Attachment	Size
 GUIDE and CHECKLIST Pathways to National PID Strategies (RDA WG Output) .pdf	190.44 KB
 AUSTRALIA Case Study - National PID Strategies.pdf	108.6 KB
 CANADA Case Study - National PID Strategies.pdf	87.38 KB
 CZECH REPUBLIC Case Study - National PID Strategies.pdf	108.51 KB
 FINLAND Case Study - National PID Strategies.pdf	89.72 KB
 KOREA Case Study - National PID Strategies.docx.pdf	67.42 KB
 NETHERLANDS Case Study - National PID Strategies.pdf	83.56 KB
 GERMANY Case Study - National PID Strategies.docx.pdf	95.54 KB
 NEW ZEALAND Case Study - National PID Strategies.docx.pdf	86.69 KB
 UNITED KINGDOM Case Study - National PID Strategies.pdf	151.76 KB
 GUIDE and CHECKLIST_ Pathways to National PID Strategies (RDA WG Output) FINAL.pdf	195.74 KB
 National-PID-Strategies-Checklist Visual.pdf	5.71 MB

National PID Strategies WG

Status: Recognised & Endorsed

Chair(s): Christopher Brown, Natasha Simons, Daniel Bangert, Shawna Sadler

Secretariat Liaison: Bridget Walker

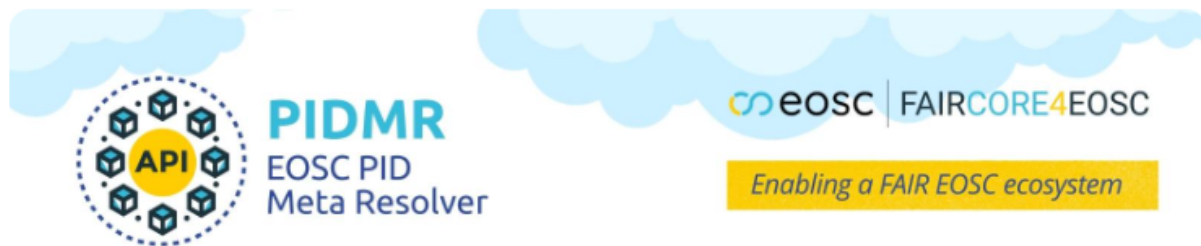
TAB Liaison: Mingfang Wu

<https://rd-alliance.org/group/national-pid-strategies-wg/outcomes/rda-national-pid-strategies-guide-and-checklist>

So where do CRIS fit into this diverse group of stakeholders?

Home / EOSC Components /

EOSC PID Meta Resolver (PIDMR)



Expected impact of the PID Meta Resolver:



Improved machine based data processing



Facilitated compilation and analysis of data collections



More support for researchers' work with PIDs

Related Case Studies:



Mathematics



Social Sciences & Humanities

Partners:



GRNET



Gesellschaft für wissenschaftliche Datenverarbeitung Göttingen



OpenAIRE



University of Helsinki

<https://faircore4eosc.eu/eosc-core-components/eosc-pid-meta-resolver-pidmr>

Overview

The increasing use of PIDs to reference all types of research results is a major step forward in meeting future requirements for the FAIRness of (research) data. Although this trend is very welcome, new challenges arise in processing these PIDs and integrating them into different research processes. The biggest difficulty is the multitude of systems used to create and maintain PIDs. The challenge is to know which system is responsible for the resolution process, the process that provides the referenced (meta-)data for a PID. A

Pros and Cons of PIDs for CRIS registries (euroCRIS DRIS)

1. Not quite the same sense of 'community' as there is for (largely open source) repositories

The screenshot shows the EuroCRIS / DRIS search interface. At the top, there is a purple header with the text "EuroCRIS / DRIS". Below this, the main heading is "Search the Directory of Research Information System (DRIS)".

On the left side, there are four filter categories: "Name", "Country", "Scope", and "Coverage". Each category has a dropdown menu currently set to "All".

In the center, there are three empty search input fields stacked vertically. To the right of these fields are two dropdown menus, both set to "AND", and a blue button with a white plus sign (+).

At the bottom of the search area, there are two buttons: "Reset" and "Search".

Below the search area is a "Discover" section with three columns of data:

- Country:** India (630), Norway (132), United Kingdom (83), Italy (78). The "Norway" row is highlighted with a red border.
- Software:** IRINS (629), Pure (186), CRIS tin (131), In-house-built (79). The "CRIS tin" row is highlighted with a red border.
- Status:** Operational (1369), Under Construction ... (25), Closed ... (2).



CRISTIN

Current Research Information System In Norway

Søk etter prosjekter, resultater og personer

- Alle typer (2 221 530)
- Prosjekt (33 860)
- Person (92 830)
- Resultat (2 094 840)

Filtre valgt

✕ Institusjon: Universitetet i Oslo

1 - 10 av 9 959 [Neste](#) | [Siste](#) »

VELG FILTRE FOR Å BEDRE TREFFET:

^ INSTITUSJON

✕ Universitetet i Oslo (9 959)

Oslo universitetssykehus HF (752)

UiT Norges arktiske universitet (176)

[Vis flere](#)

^ SEKTOR



Maria Stavrinou



FYSIKER

ved Klinikk for radiologi og nukleærmedisin ved Oslo universitetssykehus HF



Mads Andenæs



PROFESSOR

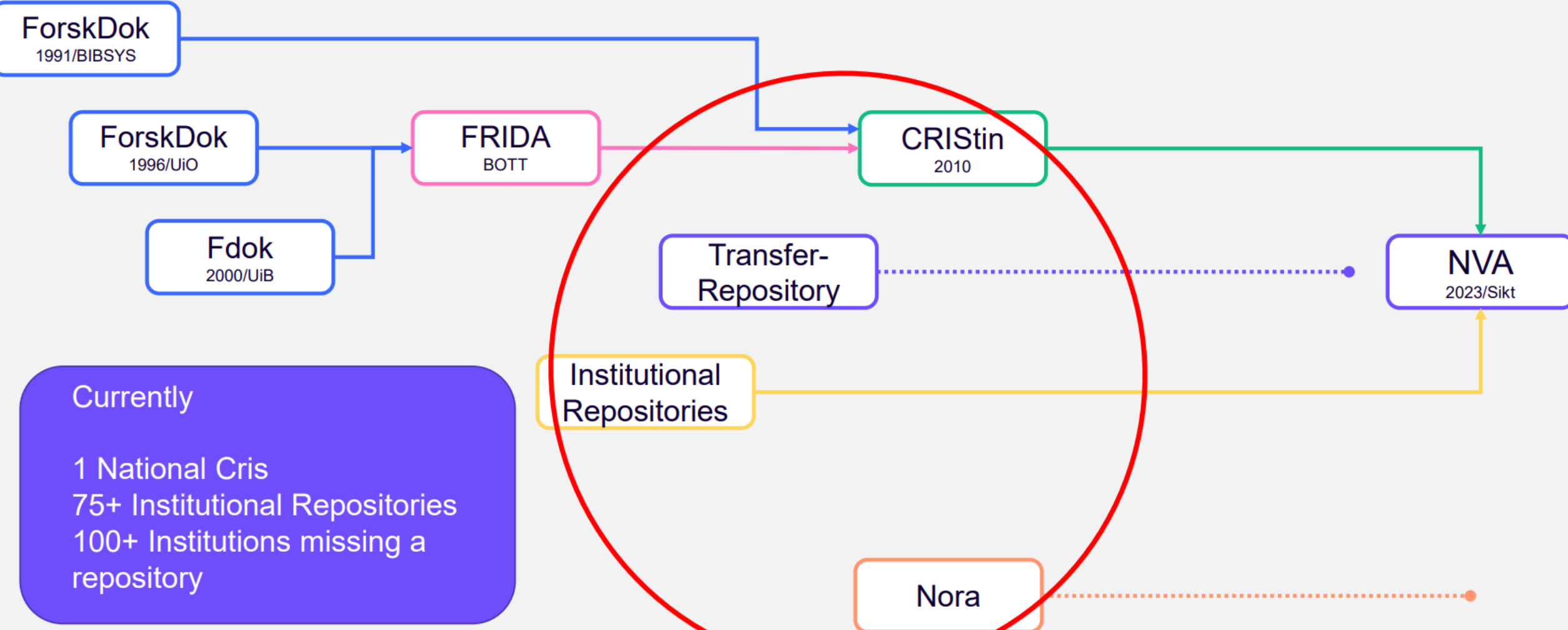
ved Institutt for privatrett ved Universitetet i Oslo



PROFESSOR II

ved Høgskolen i Innlandet

Pros and Cons of PIDs for CRIS registries (euroCRIS DRIS)



Currently

- 1 National Cris
- 75+ Institutional Repositories
- 100+ Institutions missing a repository

<http://hdl.handle.net/11366/2449>

Identifiers



- Persistent IDs is used where possible
- Every person can connect their ORCID
- All organizations have a ROR ID
- DOIs used wherever relevant
- Connection between research data, research results, projects, grants etc.
- Biobanks will be connected
- Investigating RAiD for Projects
- Pilot on DOI for Grants
- Connect Approvals originating from Ethical assessments as well as Privacy assessments relating to Research projects

Pros and Cons of PIDs for CRIS registries (euroCRIS DRIS)


1. Not quite the same sense of 'community'
2. We have (free) DSpace-based handle IDs anyway

The screenshot shows a web browser window with the URL <https://dspacecris.eurocris.org/cris/dris/dris02460>. The page header features the euroCRIS logo and the text "The International Organisation for Research Information". Below the header, there are navigation links for "Repository", "Digital Collections", "Explore by", and "Help", along with a search icon and a "Sign on to:" dropdown menu. A purple bar displays "EuroCRIS". The main content area shows the title "DRIS record Portal de la Investigación de la Universidad de Murcia". Below the title, there are three buttons: "View Statistics", "Email Alert", and "RSS Feed". A sidebar on the left contains an "Information" tab. The main content area is titled "DRIS Details" and contains the following information:

Name of the CRIS	Portal de la Investigación de la Universidad de Murcia	Acronym	UM Research Portal
Status	Operational	Scope	Institutional
URI	https://portalinvestigacion.um.es		
Institution/organization	Universidad de Murcia	Country	Spain
Software	Dialnet CRIS		

Please use this identifier to cite or link to this item: <http://hdl.handle.net/11366/2519>

DC Field	Value	Language
dc.date.accessioned	2024-02-29T17:35:16Z	-
dc.date.available	2024-02-29T17:35:16Z	-
dc.identifier.uri	http://hdl.handle.net/11366/2519	-
dc.description.provenance	Made available in DSpace on 2024-02-29T17:35:16Z (GMT). No. of bitstreams: 0	en
eurocris.dris.name	Portal de la Investigación de la Universidad de Murcia	
eurocris.dris.orgname	Universidad de Murcia	
eurocris.dris.orgcountry	Spain	
eurocris.dris.acronym	UM Research Portal	
eurocris.dris.url	https://portalinvestigacion.um.es	
eurocris.dris.status	Operational	

 Webinar Chat



Message was broadcasted to [Everyone](#)

What are the cost implications of using PIDs and DOIs? We for example pay \$1 per DOI. Is this affordable for all countries in Africa? Or are lower fees available for publishers in the DataCite Consortium?



PIDs für Open-Access-
Publikationsdienste und
Forschungsinformationssysteme

Thanks!

Any questions, comments?

<http://hdl.handle.net/11366/2522>



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