



PID Interoperability in Practice: Combining ARK, ISNI, ISSN and URN to enhance data quality and information services

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MINISTRY OF EDUCATION,
YOUTH AND SPORTS

NTK

50°6'14.083"N, 14°23'26.366"E
Národní technická knihovna
National Library of Technology



NCRIS
National Research
Infrastructure for Australia
An Australian Government Initiative



Australian Research Data Commons

Outline

- 1/ Connecting ISNIs and ISSNs
- 2/ Connecting with Wikidata IDs
- 3/ Connecting URNs, ISSNs and URLs
- 4/ Connecting ARKs and ISSNs

Connecting ISNIs and ISSNs

- Rationale for the project:

- . Some ISSN Registration agencies, e.g. BL, BnF, BNE, are also ISNI RA; they use ISNIs to identify individuals and organisations
- . The ISSN Portal contains ISNIs supplied by these RAs
- . ISSN IC also retrieves ISNIs when creating metadata
- . Improve the identification of publishing organisations in the ISSN Portal

- Objectives:



- . Create standardized access points for publishers (500,000) and organisations (900,000) in the ISSN Portal using ISNI data
- . Retrieve existing ISNIs to populate the ISSN Portal
- . Upload ISSNs in the ISNI database
- . Create new ISNIs where necessary

Connecting ISNIs and ISSNs

Links
URL
URL
URL
ISNI

Key-title Cuadernos de investigación geográfica (Internet)

Resource information

-  Title proper: Cuadernos de investigación geográfica.
Abbreviated key-title: Cuad. investig. geogr. (Internet)
-  Parallel title: Geographical research letters
Original alphabet of title: Extended roman
Subject: UDC : 910
Subject: [General questions. Geography as a science. Exploration. Travel](#)
Corporate contributor: [Universidad de La Rioja \(ISNI: \(isni\)0000000121746969\)](#)
Publisher: [Logroño: Servicio de Publicaciones de la Universidad de la Rioja](#)
Dates of publication: 1980- 9999
Frequency: Annual

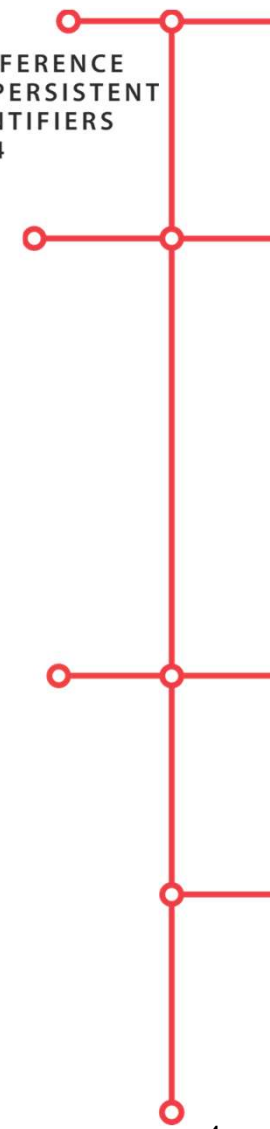


ISNI:

0000 0001 2174 6969
<https://isni.org/isni/0000000121746969>

Name:

La Rioja University
La Rioja University Logroño
Universidad de La Rioja




Connecting ISNIs and ISSNs

^ Links

ISNI
ISNI
ISNI
ISNI
ISNI
BnF
Google
Bing
Yahoo
BnF (France)

Key-title Faune de Madagascar

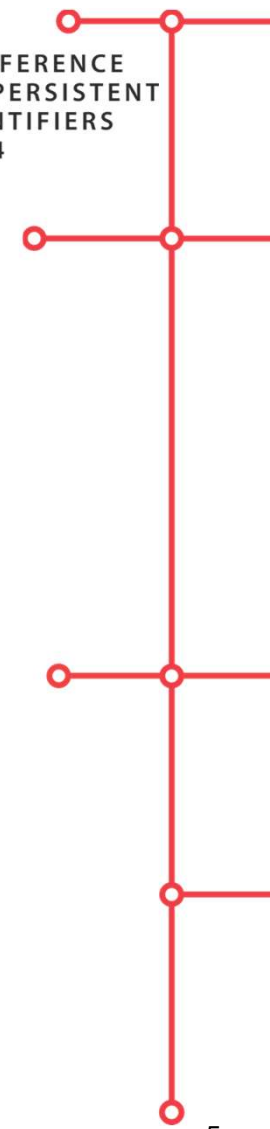
^ Resource information

 Title proper: Faune de Madagascar.
Abbreviated key-title: Faune Madag.
Other variant title: Collection Faune de Madagascar
Original alphabet of title: Extended roman
Subject: Dewey : 591.969 1
Subject: [General zoology](#)
Corporate contributor: [Institut de recherche pour le développement \(France\)](#) (ISNI: 0000000122879528)
Corporate contributor: [Centre de coopération internationale en recherche agronomique pour le développement \(France\)](#) (ISNI: 0000000121539871)
Corporate contributor: [Centre national de la recherche scientifique \(France\)](#) (ISNI: 0000000122597504)
Corporate contributor: [Madagascar](#) (ISNI: 0000000122984950)
Corporate contributor: [Muséum national d'histoire naturelle \(Paris\)](#) (ISNI: 0000000121581551)
Earliest publisher: Tananarive: Publ. de l'Institut de recherche scientifique, 1956-
Intervening publisher: Paris: ORSTOM; CNRS, 1967-1
Latest publisher: Paris: IRD; Montpellier: CIRAD; Paris: MNHN, 2003-



ISNI: 0000 0001 2287 9528
<https://isni.org/isni/0000000122879528>

Name: Institut de Recherche pour le Développement
Institut de recherche pour le développement (France)



Connecting ISNIs and ISSNs

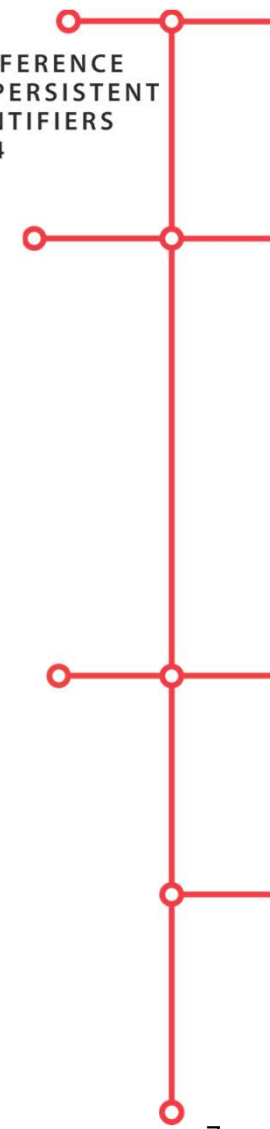
- **Process:**
 - Test performed with ISNI IA and OCLC Leiden to upload a test file of 50 multinational publishers
 - Some issues with ISNI IA data model for organisations
 - Extraction of all publishers' names from the ISSN Portal done
- **Future steps:**
 - Sort out the publishers' list to select a preferred name and variant names
 - Continue the conversation with ISNI Library sector group to amend the data model
 - Explore complementary options, e.g. Wikidata

Connecting ISNIs and ISSNs



ISNI: 0000 0004 0380 1313
<https://isni.org/isni/0000000403801313>

Name: Cochrane Library
Current Protocols
Encyclopaedia of Life Sciences
Encyclopedia of Life Sciences
Harlan Davidson
InfoPOEMS
Interscience
J. **Wiley** and sons
John **Wiley**
John **Wiley** and sons
John **Wiley** and Sons Hoboken, NJ
John **Wiley** and Sons Inc
John **Wiley** & Sons
Linguistics Abstracts
Pacific Philosophical Quarterly
Philosophy and Phenomenological Research
Synergy
Wiley
Wiley and sons
Wiley and Sons Hoboken, NJ
Wiley (Firm)
Wiley (Firme)
Wiley Interscience
Wiley (John) and Sons, inc
Wiley (John) & Sons
Wiley (John) & Sons Inc
Wiley Publishing
Wiley & Sons
Wiley Subscription Services, Inc



Connecting with Wikidata IDs

Rationale for the Project:

- Titles level:
 - Improve the identification of journals at the global level and in a collaborative mode
 - Upload ISSNs in Wikidata using a bot
- Publishers level:
 - Improve the identification of publishers and relationship between publishers and between publishers and imprints
 - Upload data re 300 multinational publishers with the support of the Austrian Datahub

Connecting with Wikidata IDs: Titles Level



Item [Discussion](#)

Faune de Madagascar (Q21386035)

journal [edit](#)

Identifiers

ISSN	edit	0428-0709	edit
		subject named as	Faune de Madagascar
		distribution format	printed matter
		1 reference	
+ add value			

ISSN-L	edit	0428-0709	edit
		0 references	
+ add reference			
+ add value			



Item [Discussion](#)

Journal of Student Affairs in Africa (Q50811362)

Academic journal published by Journal of Student Affairs in Africa , covering the subjects: Education: Special aspects of education JSAA

[Main page](#)

Identifiers

ISSN	edit	2311-1771	edit
		subject named as	Journal of student affairs in Africa (Print)
		distribution format	printed matter
		3 references	
+ add value			

ISSN-L	edit	2307-6267	edit
		0 references	
+ add reference			
+ add value			

Connecting with Wikidata IDs: Publishers Level


- In partnership with the Austrian Datahub



Objective: Assessment of the OA output/publisher

- Test performed with a list of 300 multinational publishers produced by the ISSN Network and made available on Zenodo (<https://zenodo.org/records/8321076>)
- Statements re relationships between publishers and imprints
- Upload data in Wikidata (Autumn 2024)
- Work under progress!
https://www.wikidata.org/wiki/Wikidata:WikiProject_Academic_Publisher

Connecting with Wikidata IDs: Publishers Level



Item Discussion

SAGE Publishing (Q251266)

publisher
sagepublishing.com | SAGE Publications Ltd | SAGE Publications

[Main page](#)

has subsidiary

- CQ Press** [edit](#)
~ 0 references [+ add reference](#)
- AltaMira Press** [edit](#)
~ 0 references [+ add reference](#)
- Adam Matthew Digital** [edit](#)
start time: 2012
~ 4 references
reference URL: <https://group.sagepub.com/about>
retrieved: 7 January 2022
stated in: Integrated Authority File
GND ID: 1228370346
subject named as: Adam Matthew Digital
retrieved: 7 January 2022
stated in: OpenCorporates
OpenCorporates ID: gb/05960030
retrieved: 7 January 2022
reference URL: <https://cage.dla.mil/Search/Details?id=373161>
CAGE code: 1H499
retrieved: 7 January 2022
[+ add reference](#)
- Corwin** [edit](#)
> 1 reference [+ add value](#)



Item Discussion

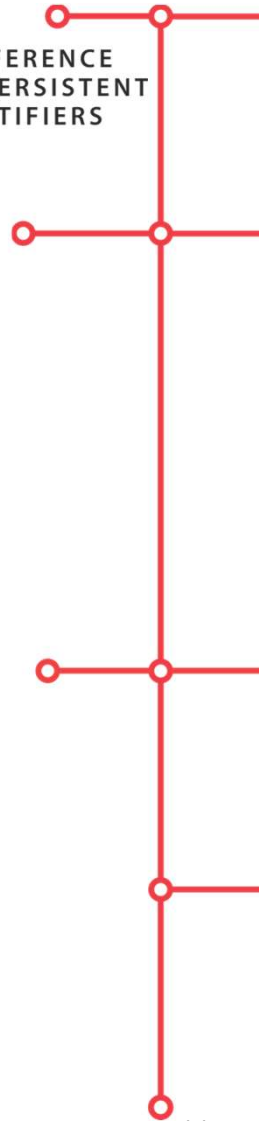
Brepols (Q981917)

Belgian publisher
Brepols & Dierckx Zoon | Brepols en Dierckx zoon | Brepols Naamlooze Vennootschap | Brepols Publishers NV | Brepols Publishers

[Main page](#)

has subsidiary

- Harvey Miller Publishers** [edit](#)
~ 1 reference
archive URL: <https://web.archive.org/web/20230507085658/https://harveymillerpublishers.com/about/>
[+ add reference](#)
[+ add value](#)



Connecting URNs and ISSNs and URLs

- Rationale for the project:

- Use the URN resolver (<https://urn.issn.org/>) to link an online publication with the physical locations, i.e. URLs, where it can be accessed. When no active URL exists, provide users with bibliographic information.

- Objectives:

- Assess and enhance the quality of URLs in the ISSN database
- Use data provided by ISSN Registration agencies, by publishers and by archiving agencies partnering with Keepers Registry
- Provide controlled URLs to users through the URN resolver

Connecting URNs and ISSNs and URLs



**URN
ISSN
RESOLVER**

*Hosted
by the ISSN
International
Centre*

Enter your ISSN ISSN-L

Connecting URNs and ISSNs and URLs

- **Process:**

- Check URLs in the production database: invalid URLs are not published on the ISSN Portal
- Retrieve URLs set up by archiving agencies and record them in a specifically created MARC21 field (tag 857)
- Use the URN resolver (<https://urn.issn.org/>) to link an online publication with the physical locations, i.e. URLs, where it can be accessed. When no active URL exists, provide users with bibliographic information.

- **Future steps:**

- Upgrade the URN resolver and include it in the new ISSN Portal
- Feed it with the controlled URLs

Connecting ARKs and ISSNs

- 67% of Argentine journals are managed and published under OJS (Open Journal System)
- Strong trend towards the use of free and open systems
- Only 5% of Argentine journals charge article processing fees (APC)
- Journal prices are mostly Open Access and free
- Only 37.5% of journals offer permanent identifiers for their articles, notably the DOI (problem of payment in dollars).

Connecting ARKs and ISSNs

- Implementation of an ARK resolver, a free identifier, in 2018 (<http://id.caicyt.gov.ar/index.php>)
- Consensus over the use of ARK including ISSN for unambiguous identification of continuous resources
- ARK-CAICYT considers the ISSN as the authoritative identifier, i.e. NAAN

`http://id.conicet.gov.ar/ark:/**ISSN**/Name[Qualifier]`

Connecting ARKs and ISSNs

EJEMPLO ARK-CAICYT

Bergero, P., Pedrosa, J., & Petrucci, D. (2021). Epidemias, salud y ciencia: interés y percepción de jóvenes de escuelas públicas del conurbano bonaerense antes del COVID-19. Revista De Educación En Biología, 24(2), 66–79.
<http://id.caicyt.gov.ar/ark:/s23449225/r7ewizkmi>

- NAA: <http://id.caicyt.gov.ar>
- NAAN: <ark:/s23449225/>
- Name: r7ewizkmi

