







What is a persistent identifier?



persistent identifier

an organization made a promise to keep it alive globally unique string

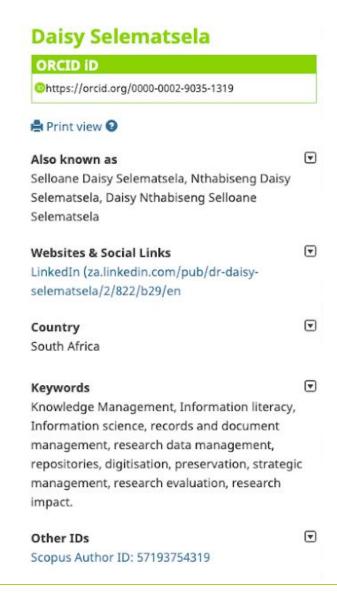
(known as PIDs to their friends)



What can PIDs do?



PIDs disambiguate





PIDs link

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References
```

Abd Ellah and Abouelmagd, 2016 N.H. Abd Ellah, S.A. Abouelmagd Surface functionalization of polymeric nanoparticles for tumor drug delivery: approaches and challenges

Expert Opin. Drug Deliv., 1–14 (2016),

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Google Scholar

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Hyun, Y. Yeo

Tannic acid-mediated surface functionalization of polymeric nanoparticles

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Biosynthesis of gold nanoparticles: a green approach

J. Photochem. Photobiol. B: Biol., 161 (2016), pp. 141-153,

10.1016/j.jphotobiol.2016.04.034

Article Download PDF View Record in Scopus Google Scholar

Akhavan et al., 2011 O. Akhavan, R. Azimirad, S. Safa, E. Hasani



PIDs can make research FAIR

Data should be Findable	F1. (meta)data are assigned a globally unique and persistent identifier (DOI) F2. data are described with rich metadata F3. metadata clearly and explicitly include the identifier of the data it describes F4. (meta)data are registered or indexed in a searchable resource
Data should be Accessible	A1. (meta)data are retrievable by their identifier using a standardized communications protocol
Accessible	A1.1 the protocol is open, free, and universally implementable
	A1.2 the protocol allows for an authentication and authorization procedure, where necessary
	A2. metadata are accessible, even when the data are no longer available
Data should be Interoperable	I1. (meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation.
	12. (meta)data use vocabularies that follow FAIR principles
	13. (meta)data include qualified references to other (meta)data
Data should be	R1. meta(data) are richly described with a plurality of accurate and relevant attributes
Reusable	R1.1. (meta)data are released with a clear and accessible data usage license
	R1.2. (meta)data are associated with detailed provenance
	R1.3. (meta)data meet domain-relevant community standards



What is ORCID?



What is ORCID?

- ORCID is an open, non-profit organization run by and for the research community.
- ORCID provides researchers with a unique persistent **totally free** to use identifier, an ORCID iD, that connects them reliably and clearly with their research contributions, affiliations, funding, and facilities.
- ORCID provides open tools (ORCID iDs, Registry & APIs) that allow transparent connections between researchers and identifiers of their activities and contributions.



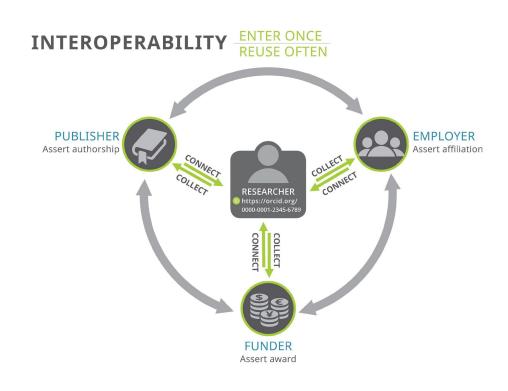
Our community

- 1100+ members from 40+ countries
- 23 consortia
- +900 system integrations: all research sectors
- Over 9M iDs connected to
 - 10M+ affiliations
 - 60M+ works
 - 22M+ unique DOIs



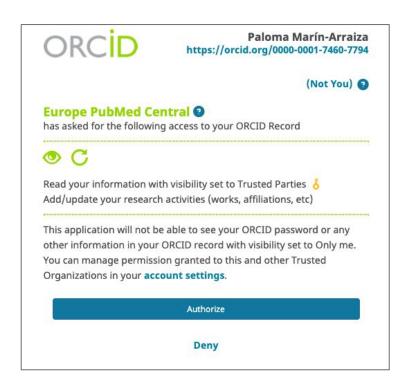
And how did get there? Being OPEN!

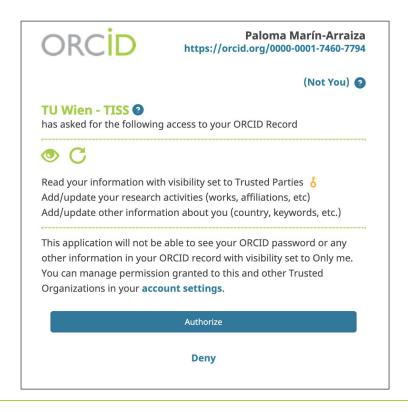




Enter once, reuse often

Instead of typing ORCID iDs, we recommend authentication as the method to collect iDs







Recognizing contributions

Publications

- book
- chapter of the book
- book review
- thesis
- encyclopedia entry
- Article
- newspaper article
- translation
- Web page
- preprint
- ...

Conferences

- conference abstract
- conference article
- conference poster

Intellectual property

- disclosure
- licence
- patent
- registered copyright
- trademark

Others

- annotation
- artistic performance
- dataset
- public policy
- software
- and more!

Identifiers: DOI, Handle, URN, ISSN, ISBN, ArXiV, PubMed ID, URI...

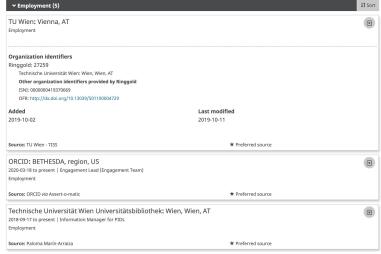
Relationships "self", "part of" (eg for book chapters), "version of" (eg for preprints, data sets, software ...)



Transparent and trustworthy connections



ISNI2ORCID search and link 2014-01-23









ORCID privacy

By default, who should be able to see information added to your ORCID Record?

- Everyone (87% of users choose this)
- Trusted parties (5% of users choose this)
- Only me (8% of users choose this)

 Email addresses are private by default

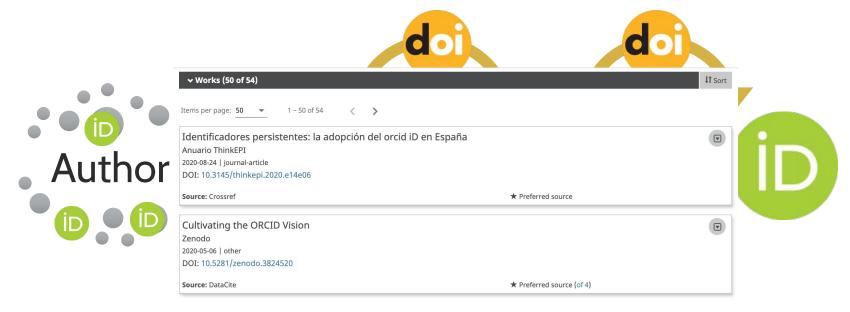


- Privacy control of the registry for each entry individually
- In accordance with GDPR and privacy acts
- Public Data File: released annualy during OA Week (CC0)

Trusted organization	2019-08-14	Read your information with visibility set to Trusted Parties Add/update your research activities (works, affiliations, etc) Get your ORCID iD	
CAPES https://sadmin.capes.gov.br			
Clarivate https://www.clarivate.com/	2019-07-09	Read your information with visibility set to Trusted Parties	Î
CNPq - Conselho Nacional de 2019-07-24 Desenvolvimento Científico e Tecnológico (The National Council for Scientific and Technological Development) http://www.cnpq.br/		Read your information with visibility set to Trusted Parties Add/update your research activities (works, affiliations, etc) Get your ORCID iD	Î
Copernicus.org http://www.copernicus.org	2019-01-23	Get your ORCID iD	â
Crossref https://doi.crossref.org/	2019-04-12	Read your information with visibility set to Trusted Parties Add/update your research activities (works, affiliations, etc)	â



Works Auto-update



Link the ORCID iD with the profile within the journal / repository

Include in ORCID iD in the metadata of the work (accepted manuscript or deposited resource) Check the author's ORCID iD in the metadata when assigning DOIs to new works

Crossref and DataCite update ORCID Records if they have been granted permissions (Crossref requests them by notification)

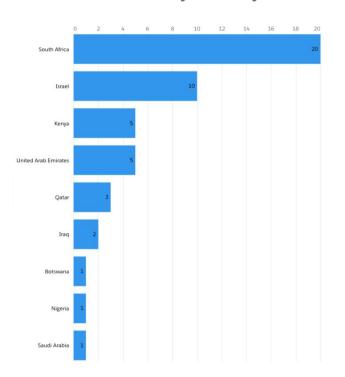


Join us!

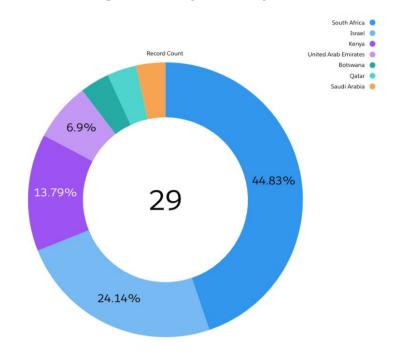


ORCID in Middle East and Africa

Members by country



Integrations by country





Institutional implementation



Welcome to Boloka, the open access Institutional Repository of the North-West University (NWU-IR). This is a digital archive that collects, preserves and distributes research material created by members of the NWU.

The aim of the NWU-IR is to increase the visibility, availability and impact of the research output of the North-West University through Open Access, search engine indexing and harvesting by several initiatives.

NWU and ORCID

Recognizing the importance of research visibility and discoverability, author disambiguation and an increase in funder and publisher requirements for ORCID iDs, the NWU became an ORCID member institution making it possible to integrate existing NWU systems with the ORCID registry.

Central to the NWU-ORCID integration is the NWU Manuscript system which was created to facilitate creating (new) or linking (existing) ORCID ibs while at the same time granting the NWU permission to push updates to the individuals' ORCID record.

As a first integration the NWU Institutional Repository (NWU-IR) was used. Research outputs uploaded to the NWU-IR are automatically pushed to the ORCID record of the author(s) of the output.

Determining the economic literacy of introductory economic students in South Africa

2015 | journal-article

HANDLE: http://hdl.handle.net/10394/20851

DOI: http://dx.doi.org/10.1504/IJEED.2015.068361

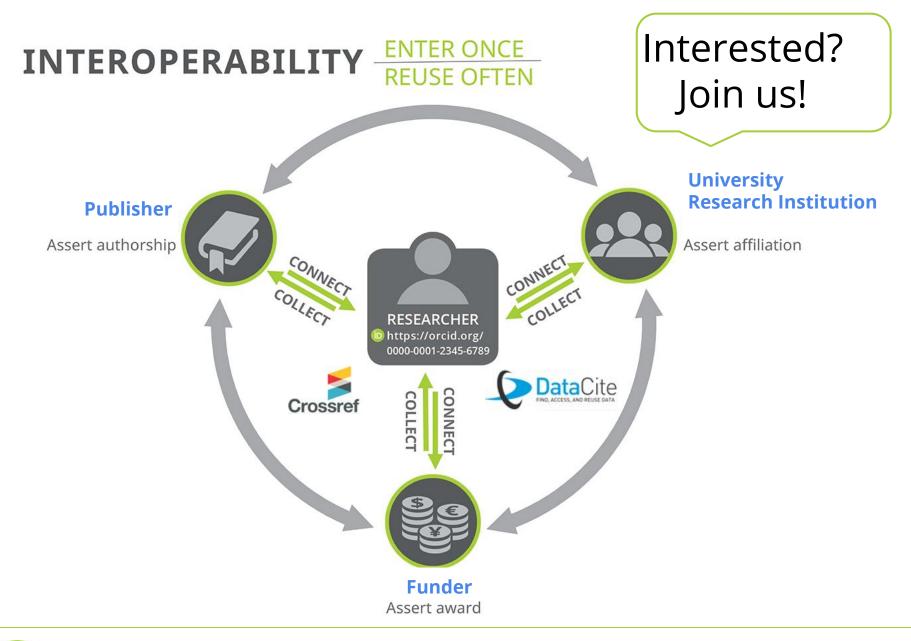
Part of ISSN: 1759–5673

Part of ISSN: 1759–5681 (Online)

Source: North-West University, South Africa



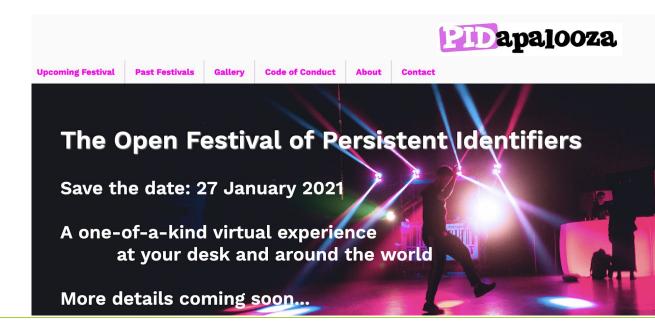






Join the conversation!

the PID Forum





Thank you!



Questions?

Email g.mejias@orcid.org

Twitter @gabioshka / @ORCID_Org



Make your research outputs disoverable with DataCite

Helena Cousijn, PhD September 7, 2020

About DataCite



Non-profit membership organization working with 2100+ repositories in the world to provide DOIs for data and other research outputs.

Connecting research, identifying knowledge.

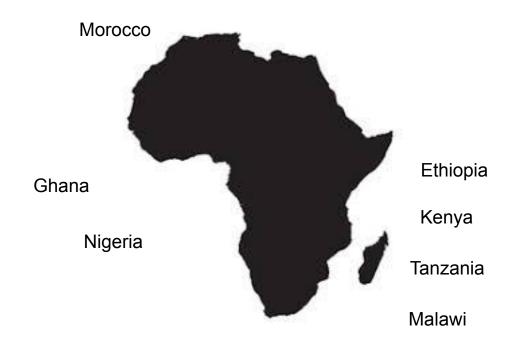


DataCite's mission is to be the world's leading provider of persistent identifiers for research. Through our portfolio of services, we provide the means to create, find, cite, connect, and use research. We seek to create value and develop community - driven, innovative, open, integrated, useable and sustainable services for research.

DataCite DOIs in Africa



DataCite DOIs are used by repositories in 8 different countries in Africa



Value





1) Registering DataCite DOIs makes your research outputs discoverable.

- A DOI makes your research outputs uniquely identifiable.
- Metadata that you register with DataCite is in a central location, harvestable by anyone.
- Metadata for our Members' research outputs appear in other search engines.

2) DataCite services make it easy to follow best practices.

- We make research data management easy: you register your first DOI in less than 1 minute.
- DataCite DOIs and metadata help you make your research FAIR.
- We connect you to the DataCite Member community, which is full of passionate people who share experience and continue to support best practice.



• Our metadata schema is extensive and has been adopted by other PID service providers globally.

3) DataCite services help you track and report on your research.

- A DOI enables easy tracking of your research outputs through simple user interfaces.
- DataCite services make institutional reporting simple.
- DataCite services support data citation and usage analytics

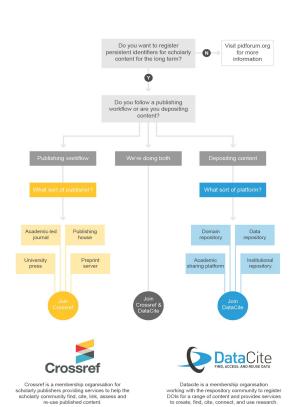


Types of research outputs



DATACITE DOI'S ARE SUITABLE FOR A WIDE RANGE OF RESEARCH OUTPUTS
1. Research datasets and collections, associated workflows, software, images, and models
 Grey literature such as theses, dissertations, reports, unpublished conference papers, newsletters, preprint journal articles, technical standards, and specifications for which the institutional repository is the primary publication point.

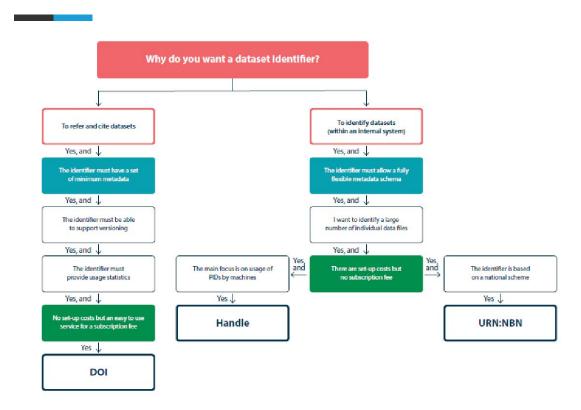
DataCite and Crossref





Different identifier systems



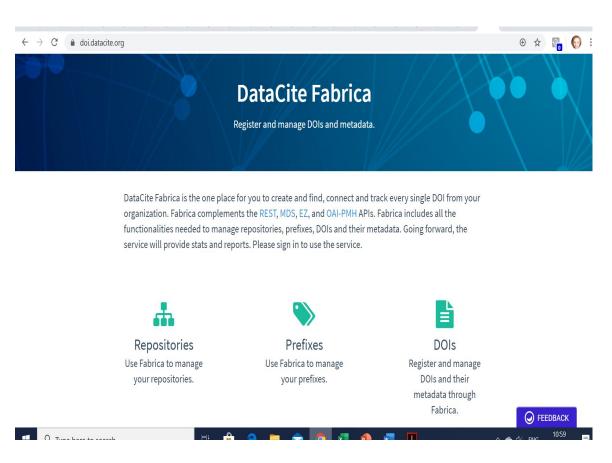




Create and manage DOIs in our system DataCite

One-stop service to create and manage DOIs for your organization

- Tools to create, manage, and find DOIs and metadata
- Statistics on DOI activities
- 3. Link checker information
- 4. Maintain organization information



Or work with a service provider



A DataCite Registered Service Provider is an organization that has integrated with one of the DataCite APIs in order to allow existing DataCite Members to register DOIs using that Member's own log-in credentials. A CRIS or a repository platform are both examples of a Service Provider.



Connected research



Find Research with **DataCite Commons**



DataCite Membership



Direct Membership:



DataCite Membership



Consortium Membership:



Get in touch!



Email us: info@datacite.org

Follow us: @datacite

Talk to us: https://pidforum.org

Read about us: https://datacite.org

PIDS and metadata at Crossref



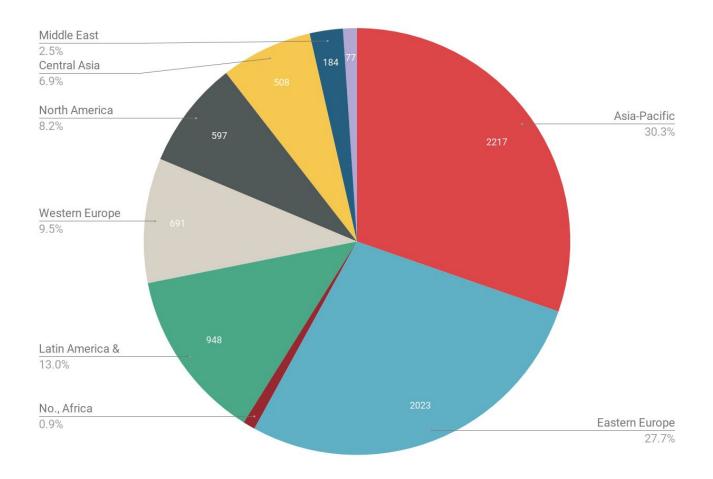


Crossref makes research outputs easy to find, cite, link, assess, and reuse.

We're a not-for-profit membership organization that exists to make scholarly communications better.

Crossref overview

- Over 12,000 member organizations
- 16 member board, cross section of international publishers
- Metadata store of over 116 million scholarly content items
- A DOI is just the start We offer a wide array of services to ensure that scholarly research metadata is registered, linked, and distributed:
 - ORCID auto-update
 - Similarity Check
 - Reference linking
- We preserve the metadata we receive and make it available via our open APIs and Search.





Basic metadata: titles; author names; ISSNs/ISBNs, abstracts, references, data citations

Funding Information, Funder identifiers, award numbers

License Information, License URIs
Full-text URIs (e.g. for text mining and Similarity
Check)

Crossmark: updates, retractions, corrections

ORCID iDs

Recently: Peer Review reports, relations, Grant IDs

Soon... ROR IDs

Manuscript tracking Scholarly sharing Hosting networks content Measure, Verify records are valid & report & Specialist subject **Bibliographic** accurate apply metrics databases management Search & Fill discover metadata Crossref gaps Metadata APIs Author Library profiling discovery Collect Aggregate related & integrate research content objects Match & link **Annotation** Recommendations citations Collaborative authoring Metrics and and reading analytics

Identify, search & discover



African Crop Science Journal, Vol. 28, No. 2, pp. 169 - 176

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DOI: https://dx.doi.org/10.4314/acsj.v28i2.3

EFFECT OF PRIMING REGIMES ON SEED GERMINATION OF FIELD CROPS

N. NYONI, E. NDLOVU and M. MAPHOSA



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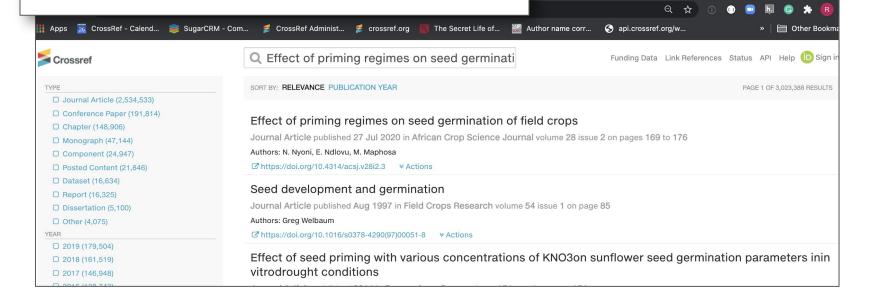
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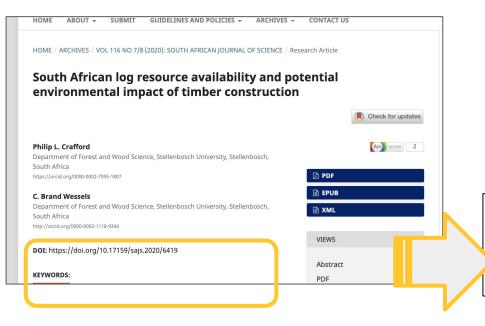
Search the metadata of 115,521,410 journal articles, books, standards, datasets & more

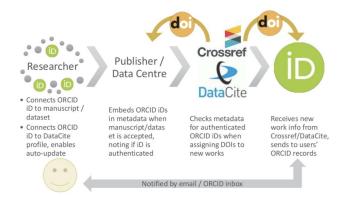
Q Title, author, DOI, ORCID iD, etc.

Search help



And auto-update!









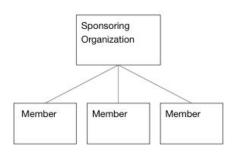
Joining directly or via a sponsor

Sponsoring Organization

- Provides administrative, technical, and financial support
- Pays annual membership dues and guarterly content registration fees on behalf of members
- Does not publish
- Does not vote in Crossref elections

Member joining via a Sponsor

- Covered under annual membership fee paid by Sponsor
- Relies on Sponsoring Org for technical support
- Pays Sponsoring Org in their local currency for content registration receive support from their sponsoring orgs)
- Publishes content
- Has a vote in Crossref elections







Open Identifiers for Affiliations: Research Organization Registry

info@ror.org

https://ror.org

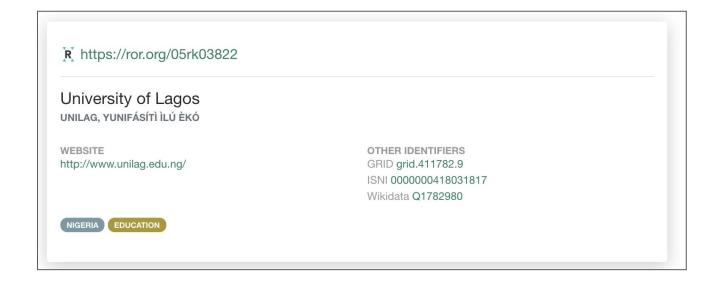


Why ROR

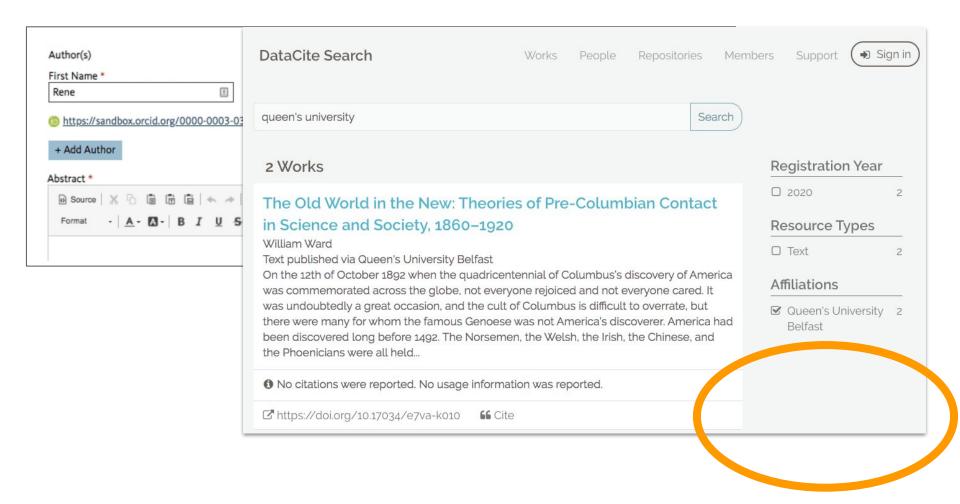
- Open API, open data
- Affiliation use case
- Community support, engagement, and adoption
- Networkability with other PIDs



ROR Search: https://ror.org/search









Thank you! Questions?