

"Persistent identifiers (PIDs) for connecting research output, researchers & research funders"

National Open Science Symposium (Nigeria)

Nabil Ksibi

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Connecting Research
and Researchers

ORCID.org



What's a PID?

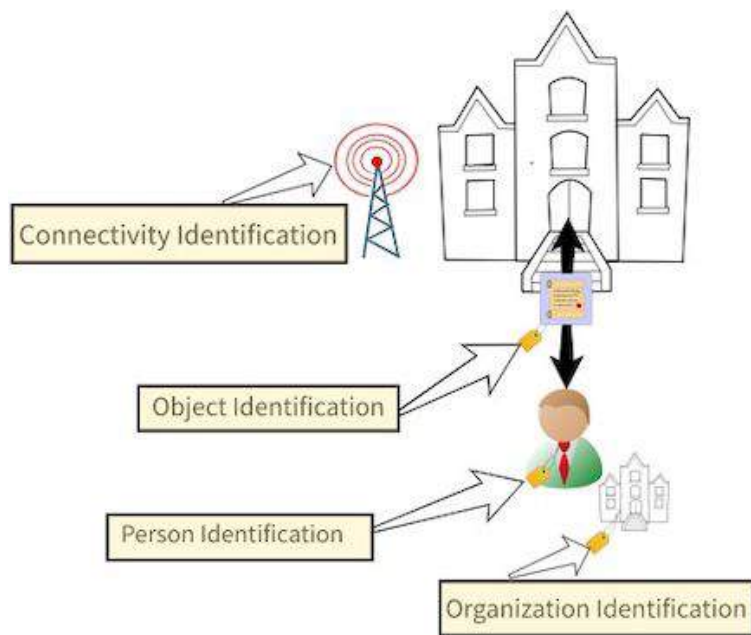
A persistent identifier (PI or PID) is a long-lasting reference to a document, file, web page, or other object.



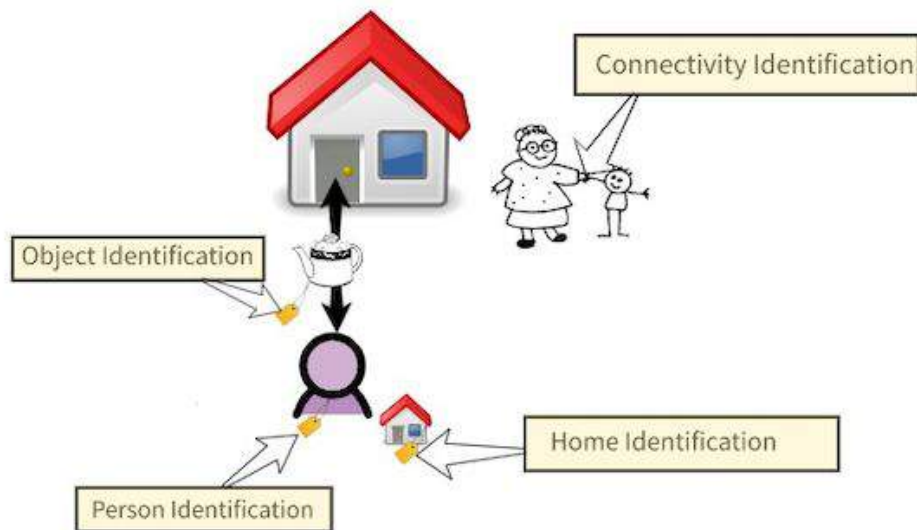
Source: https://en.wikipedia.org/wiki/Persistent_identifier

PIDs as Open Science Enablers

Open Science for organizations



Open Sharing in a neighborhood



UNESCO Recommendations (Article 9)



United Nations
Educational, Scientific and
Cultural Organization

UNESDOC
Digital Library

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9. **Open science infrastructures** refer to shared research infrastructures (virtual or physical, including major scientific equipment or sets of instruments, knowledge-based resources such as collections, journals and open access publication platforms, repositories, archives and scientific data, current research information systems, open bibliometrics and scientometrics systems for assessing and analysing scientific domains, open computational and data manipulation service infrastructures that enable collaborative and multidisciplinary data analysis and digital infrastructures) that are needed to support open science and serve the needs of different communities. Open labs, open science platforms and repositories for publications, research data and source codes, software forges and virtual research environments, and digital research services, in particular those that allow to identify unambiguously scientific objects by persistent unique identifiers, are among the critical components of open science infrastructures, which provide essential open and standardized services to manage and provide access, portability, analysis and federation of data, scientific literature, thematic science priorities or community engagement. Different repositories are adapted to the specificity of the objects they contain (publications, data or code), to local circumstances, user needs and the requirements of research communities, yet should adopt interoperable standards and best practices to ensure the content in repositories is appropriately vetted, discoverable and reusable by humans and machines. Open innovation testbeds including incubators, accessible research facilities, open license stewards, as well as science shops, science museums, science parks and exploratories, are additional examples of open science infrastructures providing common access to physical facilities, capabilities and services. Open science infrastructures are often the result of community-building efforts, which are crucial for their long-term sustainability and therefore should be not-for-profit and guarantee permanent and unrestricted access to all public to the largest extent possible.

Why PIDs?

“The issue of citation standards became important in the online world as well. Studies have shown that within a few years of being cited, a significant percentage of web addresses go “dead”!”



PIDs for Organizations!



ROR stands for “Research Organization Registry”—a community-led project to develop an open, sustainable, usable, and unique identifier for every research organization in the world. Recently introduced to the community officially.



GRID is the Global Research Identifier Database and releases IDs and metadata under a CC-1 license(Retired).



The Legal Entity Identifier is a unique global identifier for legal entities participating in financial transactions.



Ringgold is a registration agency for ISNI, and the Ringgold database include cross-walked ISNI organizational identifiers.



Why PIDs for Organizations?

Example: University of Benin

RINGGOLD

HomeSearchRinggold Supportn.ksibi@orcid.orgBenin universitySearch

Identify Online

reset

Africa (27)

1)

reset

7)

select all

«12»

Results should include ⓘ

name = (Benin university) OR Ringgold id = (Benin university) OR Isni = (Benin university)

28 results found

Ringgold IDOrganization NameRegionCountryAdmin LevelCityTypeISNIreset sort

Filter byFilter by columnFilter by regionFilterFilter by admin levelFilterFilter by typeFilter by column

107745	University of Benin	Sub Saharan Africa	Nigeria	Edo	Benin City	academic	0000 0001 2218 219X
251350	University of Benin Teaching Hospital	Sub Saharan Africa	Nigeria	Edo	Benin City	academic/hospital	0000 0001 0806 7267
537551	Houdegbe North American University Benin	Sub Saharan Africa	Benin	Littoral Department	Cotonou	academic	0000 0004 7643 3291
310654	University of Benin Faculty of Education	Sub Saharan Africa	Nigeria	Edo	Benin City	academic/gen	0000 0004 1781 4318
313583	University of Benin Faculty of Life Sciences	Sub Saharan Africa	Nigeria	Edo	Benin City	academic/biosci	0000 0004 1782 9720
313578	University of Benin Faculty of Arts	Sub Saharan Africa	Nigeria	Edo	Benin City	academic/gen	0000 0004 1782 9464
313585	University of Benin Faculty of Pharmacy	Sub Saharan Africa	Nigeria	Edo	Benin City	academic/pharm	0000 0004 1782 978X

The logo for iD (International DOI Foundation) is a green circle with a white lowercase 'i' and 'D' inside.

PIDs For Contributors!

Staff homepages



In **About me** if you have ORCID, Scopus and ResearcherID profiles the badges linking to these should appear. If not, [contact your Library Services Team](#).

Under **Social Media Links** badges for Twitter, Facebook, LinkedIn, YouTube, Google Scholar and Instagram can be added to your staff home page.

For help with your staff home page visit the links below:

University of South Australia libguide



12 Million ORCID iDs and counting...



Source: <https://guides.library.unisa.edu.au/Networking/Profile>

Why PIDs for Contributors?


NIH National Library of Medicine
National Center for Biotechnology Information

PubMed.gov

Search PubMed

Advanced

Save Email S

 **Brigitte Nerlich**
@BNerlich

Does anybody know who W. A. D. is?? I'll probably feel silly once I get the answer!

Published: 15 May 1913

Synthetic Biology and the Mechanism of Life

W. A. D.

Nature 91, 270-272(1913) | Cite this article

234 Accesses | 1 Citations | 0 Altmetric | Metrics

9:59 AM · Oct 9, 2020 · Twitter Web App

Guideline > Autophagy. 2016;12(1):1-222. doi: 10.1080/15548627.2015.1100356.

Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition)

, Bo Wang¹⁹⁵², Caihong Wang¹²⁸, Chao-Yung Wang¹⁹⁵³, Chengshu Wang¹⁹⁵⁴, Chenran Wang⁴³⁵, Chuangui Wang¹⁹⁵⁵, Dong Wang¹⁹⁵⁶, Fen Wang¹⁹⁵⁷, Fuxin Wang¹⁹⁵⁸, Guanghui Wang¹⁹⁵⁹, Hai-Jie Wang¹⁹⁶⁰, Haichao Wang¹⁹⁶¹, Hong-Gang Wang¹⁹⁶², Hongmin Wang¹⁹⁶³, Horng-Dar Wang¹⁹⁶⁴, Jing Wang¹⁹⁶⁵, Junjun Wang¹⁹⁶⁶, Mei Wang⁸⁷², Mei-Qing Wang¹⁹⁶⁷, Pei-Yu Wang¹⁹⁶⁸, Peng Wang³³², Richard C Wang¹⁹⁶⁹, Shuo Wang¹⁹⁷⁰, Ting-Fang Wang¹⁶⁹⁰, Xian Wang¹⁹⁷¹, Xiao-Jia Wang¹⁹⁷², Xiao-Wei Wang¹⁹⁷³, Xin Wang¹⁹⁷⁴, Xuejun Wang¹⁹⁷⁵, Yan Wang³²⁴, Yanming Wang¹⁹⁷⁶, Ying Wang¹⁹⁷⁷, Ying-Jan Wang¹⁹⁷⁸, Yipeng Wang¹²⁴⁵, Yu Wang¹⁹⁷⁹, Yu Tian Wang¹⁹⁸⁰, Yuqing Wang⁹⁹², Zhi-Nong Wang¹⁹⁸¹, Pablo Wappner¹⁹⁸², Carl Wang¹⁶³⁵, ...



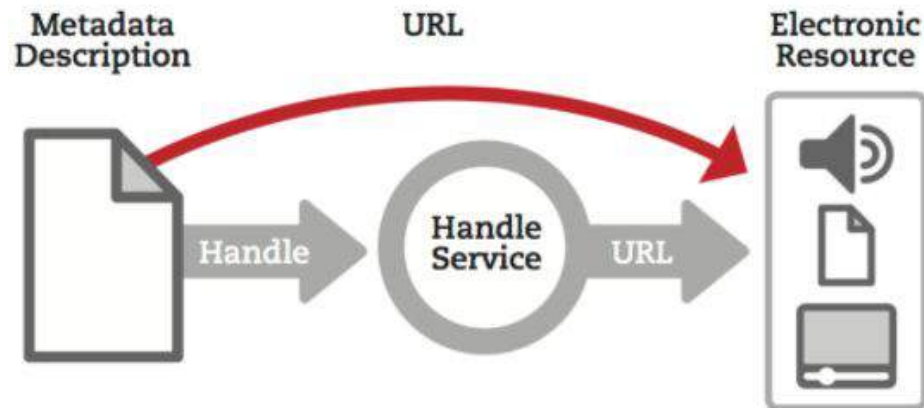
Source: <https://pubmed.ncbi.nlm.nih.gov/26799652/>

PIDs For Contributions!



INTERNATIONAL
STANDARD
SERIAL
NUMBER
INTERNATIONAL CENTRE

ISBN 978-3-16-148410-0



Source: <http://www.persid.org/downloads/PI-intro-2010-09-22.pdf>

PIDs for Systems Interoperability and Open Research “ready” Infrastructure!



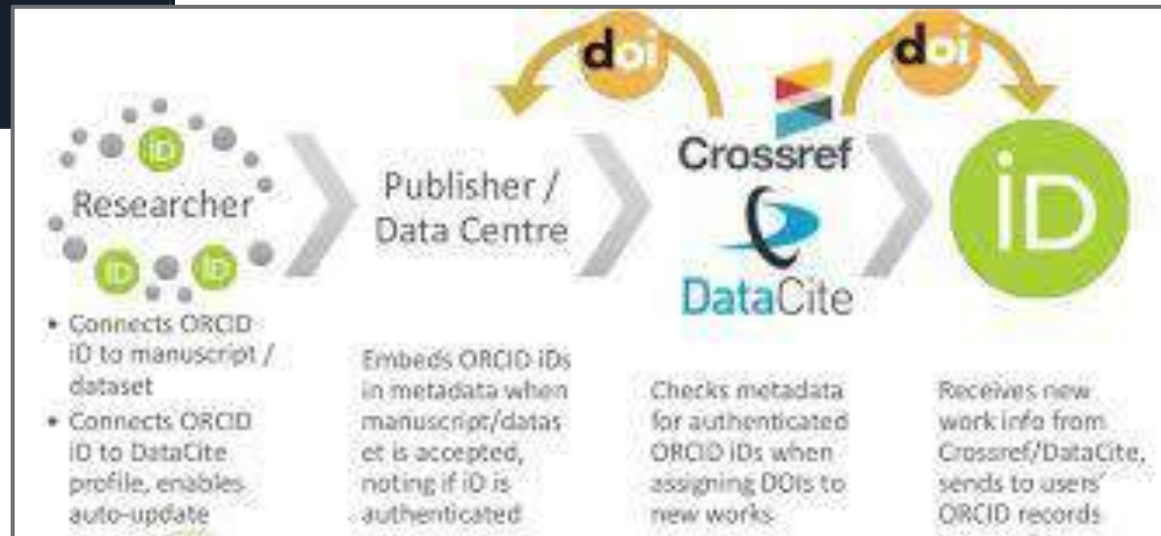
Madhu Pai ✓
@paimadhu

I don't mind my manuscript getting rejected after peer review. But I do mind when I can't even log into the damned journal submission site!

FFS, can ALL journals please allow us to log in with a single ID (like [@ORCID_Org](https://orcid.org/))!

AUTHORS DON'T HAVE TIME FOR THIS BS!!

4:32 AM · Sep 16, 2020 · Twitter Web App



siham fatani

ORCID iD

<https://orcid.org/0000-0002-4992-9502>

 Print view 

▼ Education and qualifications (2)

↑↓ Sort

King Abdullah University of Science and Technology (KAUST): Thuwal, SA

2016-06-05 to present PhD Student (Bioscience)

Education



Organization identifiers

Ringgold: 127355

King Abdullah University of Science and Technology: Thuwal, Makkah, SA

Other organization identifiers provided by Ringgold

ISNI: 0000000119265090

OFR: <http://dx.doi.org/10.13039/501100004052>

Added

2019-07-31

Last modified

2019-07-31

Source: KAUST Repository

★ Preferred source

King Abdullah University of Science and Technology (KAUST): Thuwal, SA

2014-08-17 to 2016-06-16 MS Student (Bioscience)

Education



Source: KAUST Repository

★ Preferred source

▼ Works (3 of 3)

↕ Sort

Identification and characterization of Cellulase Genes functioning in the Red Sea

2019 | conference-poster

HANDLE: [10754/655756](http://hdl.handle.net/10754/655756)

URL

<http://hdl.handle.net/10754/655756>

Added

2019-07-05

Last modified

2019-07-26

Source: KAUST Repository

★ Preferred source

Isolation and Characterization of Cellulase-Producing Microorganisms in the Red Sea

2019 | dissertation-thesis

DOI: [10.25781/KAUST-80SCK](https://doi.org/10.25781/KAUST-80SCK)

HANDLE: [10754/660144](http://hdl.handle.net/10754/660144)

Source: KAUST Repository

★ Preferred source

Investigation and Isolation of Cellulase-Producing microorganisms in the Red Sea

2016 | supervised-student-publication

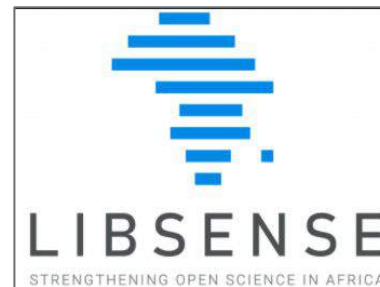
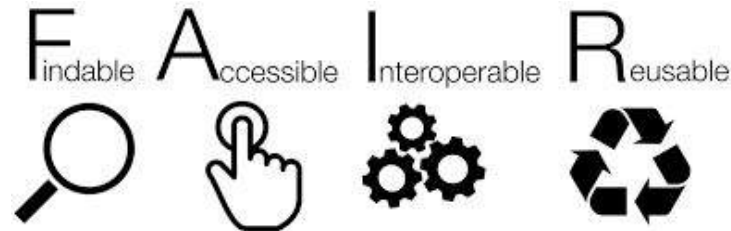
DOI: [10.25781/KAUST-2IM45](https://doi.org/10.25781/KAUST-2IM45)

HANDLE: [10754/609149](http://hdl.handle.net/10754/609149)

PIDs Initiatives and Drivers



Horizon 2020
European Union Funding
for Research & Innovation



How to get involved with ORCID?

Researchers, research institutions, publishers and funding bodies routinely face the problem of accurately linking research publications, data and other research activities to the right researcher. A unique persistent identifier resolves problems of name ambiguity in search and discovery and can ensure that works are correctly and unambiguously attributed to their creator. ORCID solves this long-standing problem by providing a persistent digital identifier (ORCID ID) that distinguishes each researcher. Identifiers are a basis for digital data governance because they enable machine readability, disambiguate and enforce uniqueness, and enable accurate attribution and data integration.

Figure 2. New Zealand ORCID Joint Statement of Principle, 2015.

Recognizing Our Consortia Lead Organizations



Submitted by Alice Meadows on Mon, 2019-06-03 00:00

Consortia are fundamental to ORCID -- they enable broad adoption of ORCID with attention to local context. They help us maintain a small staff and in turn we can pass on low membership costs. Together, our consortia lead organizations support about 70% of our members, and help us better understand an address community challenges and opportunities.

At our recent [consortia workshop](#) in Atlanta, USA, we were delighted to recognize the contributions of six consortia lead organizations that have significantly helped grow and support the ORCID community.



Above, left to right: Award-winners Sheila Rabun and Celeste Feather of LYRASIS (center), Wesley Barrey of TENET (left), and Pål Axelsson of SUNET (left)

NRF ORCID Statement

The NRF requires that all researchers and students applying for funding and rating at the NRF have an ORCID* identifier.

The NRF is in the process of integrating the ORCID identifier into all application and grant management business processes and systems and will allow researchers to include their ORCID identifier when updating their CVs. The NRF is also considering the downstream integration benefits to both researchers and the NRF including automated processes for uploading research output records into a researcher's profile and annual research reports.

A unique identifier, as provided by ORCID and which researchers can associate with their name variations and their research works, is a way to ensure that these links can be made accurately and reliably. This will help researchers to uniquely identify themselves as the author of their work across all systems integrated with the ORCID registry.

The NRF membership of ORCID ensures that researchers and their institutions will benefit from access to and integration with the ORCID registry, including setting up and maintaining disambiguated records for all researchers and linking these to their publications and other research outputs, leading, in turn, to a simpler, more reliable evaluation process.

* ORCID is an international, interdisciplinary, open and not-for-profit organisation created in 2010 for the benefit of all stakeholders, including research organisations, research funders, publishers and researchers. We aim to transform the research ecosystem by providing a registry of persistent unique identifiers for researchers and scholars and automating linkages to research objects such as publications, grants and patents (www.orcid.org)



Integrations in funding and grant management systems



Home / Edit Application / Edit Application - ERT200623535517 Equipment Related Travel & Training (Review Period 1)

Welcome NABIL Kabil
Support

ORCID

Instructions

- ORCID provides a persistent digital identifier that distinguishes you from other researchers. Learn more at orcid.org
- To link your ORCID ID with the NRF you must 'Authorise' ORCID to allow this. This is an NRF prerequisite for applications/progress reports to proceed to review.
- PLEASE NOTE** this is a compulsory section in all applications/progress reports to the NRF for funding and rating.

Connected ORCID ID: <http://orcid.org/0000-0002-3226-7485>

AAS Open Research

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Please note you will need to enter your existing password to save changes.

PROFILE DETAILS

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Organization			
ORCID			
Country	South Africa		

PASSWORD [Change password](#)

MY ORCID ID

<https://orcid.org/0000-0002-6872-7711>

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Source: <https://aasopenresearch.org/> & <https://nrfs submission.nrf.ac.za/nrfmkii/>

Bring Your Own Infrastructure (BYOI) - Intembeko Hub and SeamlessAccess



 [Hub info](#) ▾



Welcome to Intembeko, the South African ORCID hub

The Intembeko ORCID Hub will connect research staff and students with the organisations where they study, are employed, or that they receive funding from.

Staff and students can use the Hub to give permission to their institution(s) to access their ORCID records and, in return, [South African ORCID Consortium](#) members can use the Hub to assert these relationships in their staff, students', and recipients' ORCID records.

If you are new to ORCID and would like to find out the benefits you can get from creating an ORCID record, you can read about the [benefits for researchers](#).

For information about the South African ORCID Consortium see [TENET's website](#).

FOR RESEARCHERS

The Intembeko ORCID Hub will help connect affiliation to your ORCID profile. So there is one less thing to type.


[Read more](#)

FOR INSTITUTIONS

The Intembeko ORCID Hub will help you connect trusted affiliation to your researchers' ORCID profile.


[Read more](#)



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SeamlessAccess is

a service designed to help foster a more streamlined online access experience when using scholarly collaboration tools, information resources, and shared research infrastructure. The service promotes digital authentication leveraging an existing single-sign-on infrastructure through one's home institution, while maintaining an environment that protects personal data and privacy.

The direction and implementation for the service came from the RA21 Initiative, a joint project of the International Association of STM Publishers and the National Information Standards Organization. While the origin of the effort was in the scholarly publishing and library communities, the applicability of SeamlessAccess is for all parties that want to use federated identity as part of their authentication and authorization workflows.





RA21: Resource Access for the 21st Century

Simple, Trusted Access – Anywhere, Anytime, on Any Device

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What is RA21

What is RA21?

Resource Access for the 21st Century (RA21) is a joint [STM](#) and [NISO](#) initiative aimed at optimizing protocols across key stakeholder groups, with a goal of facilitating a seamless user experience for consumers of scientific communication. In addition, this comprehensive initiative is working to solve long standing, complex, and broadly distributed challenges in the areas of network security and user privacy. Community conversations and consensus building to engage all stakeholders is currently underway in order to explore potential alternatives to IP-authentication, and to build momentum toward testing alternatives among researcher, customer, vendor, and publisher partners. For more answers to frequently asked questions, please see our [FAQ](#).

About This Site

This work is brought to you by the International Association of Scientific, Technical, and Medical Publishers (STM) and the National Information Standards Organization (NISO). Website [Privacy Policy](#).



Source: <https://ra21.org/what-is-ra21/>

NACOSTI RIMS Portal

NATIONAL COMMISSION FOR SCIENCE, TECHNOLOGY & INNOVATION



Research Information Management System

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SIGN IN

NACOSTI is collecting your ORCID iD so we can link your ORCID iD with RIMS. When you click the "Authorize" button, we will ask you to share your iD using an authenticated process: [either by registering for an ORCID iD](#) or, if you already have one, by signing into your ORCID account, then granting us permission to get your ORCID iD. We do this to ensure that you are correctly identified and securely connecting your ORCID iD. Learn more about [What's so special about signing in](#).

If you already have an ORCID account, you can use it with RIMS.

Login with your ORCID

Login

Not an ORCID user yet? Create an account, it is free and takes a few seconds. **We require basic profile information to be able to fill in your profile**

SignUp



EOSC, EDUID and the Identity Hub

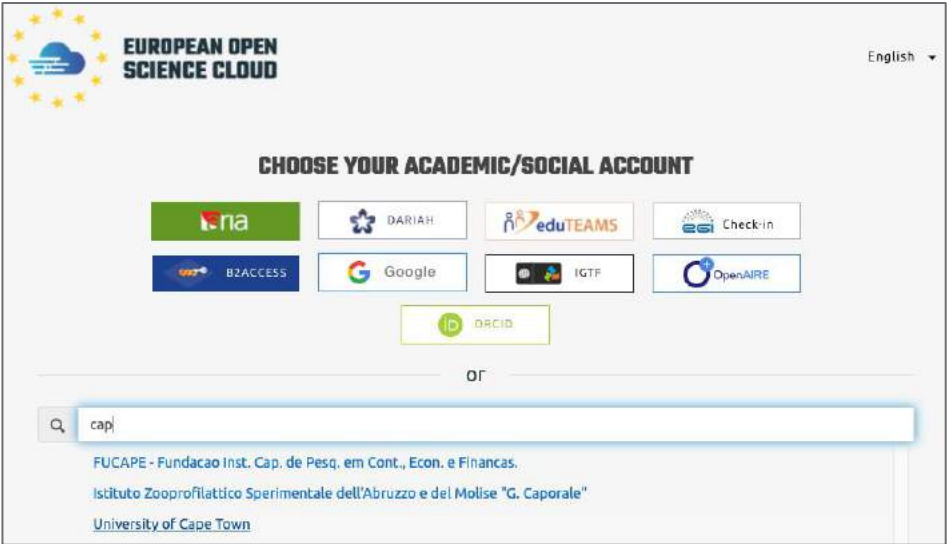
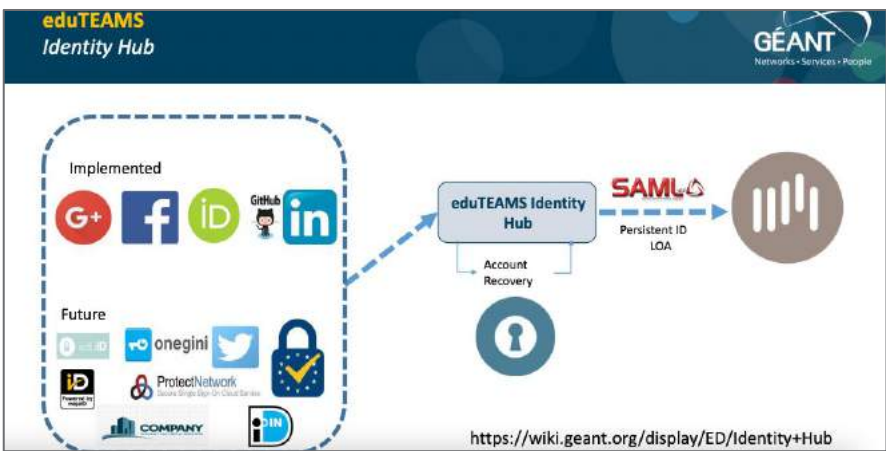


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2.3. Create Affiliation				
2.4. Replace Affiliation				
2.5. Delete Affiliation				
3. Reading private identities				
3.1. Get User				
mobile	Array[String]	true	Mobile phone number.	
eduPersonNickname	Array[String]	true	Person's nickname.	
eduPersonOrcid	Array[String]	true	ORCID iDs are persistent digital identifiers for individual researchers.	
eduPersonOrgDN	String	true	The distinguished name (DN) of the directory entry representing the organization with which the person is associated.	
ou	Array[String]	true	Organizational unit(s).	

The SWITCH edu-ID Affiliation API



Source: https://aarc-project.eu/wp-content/uploads/2017/11/aarc2_eduteams_overview.pdf & <https://api.eduid.ch/scim/docs/index.html#resources-affiliations-endpoint-test-get-affiliation>

UKRI Reviewer Recognition using ORCID



UKRI UK Research and Innovation

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Guidance for ORCID reviewer recognition

The benefits of ORCID review records

Due to the anonymity and confidentiality of the UKRI review process, the contribution of our reviewers is not formally recognised. ORCID reviewer recognition provides a visible and verifiable way for UKRI to publicly acknowledge reviewers' contributions, without compromising the confidentiality and anonymity of the review process.

Je-S Create Account - Existing Account Check High Contrast [Help](#) [Report Problem](#)

Help
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Existing Account Check

In order to check that you do not already have a Je-S account, please enter your email address in the box below and click 'Account Check'. If you have an ORCID identifier, you can also get that from the ORCID web site and we will check if you have an account linked to that ORCID identifier. If you do not have an ORCID identifier, you can also create one.

ORCID identifier: [Create or connect your ORCID identifier from the ORCID web site](#)

Email:

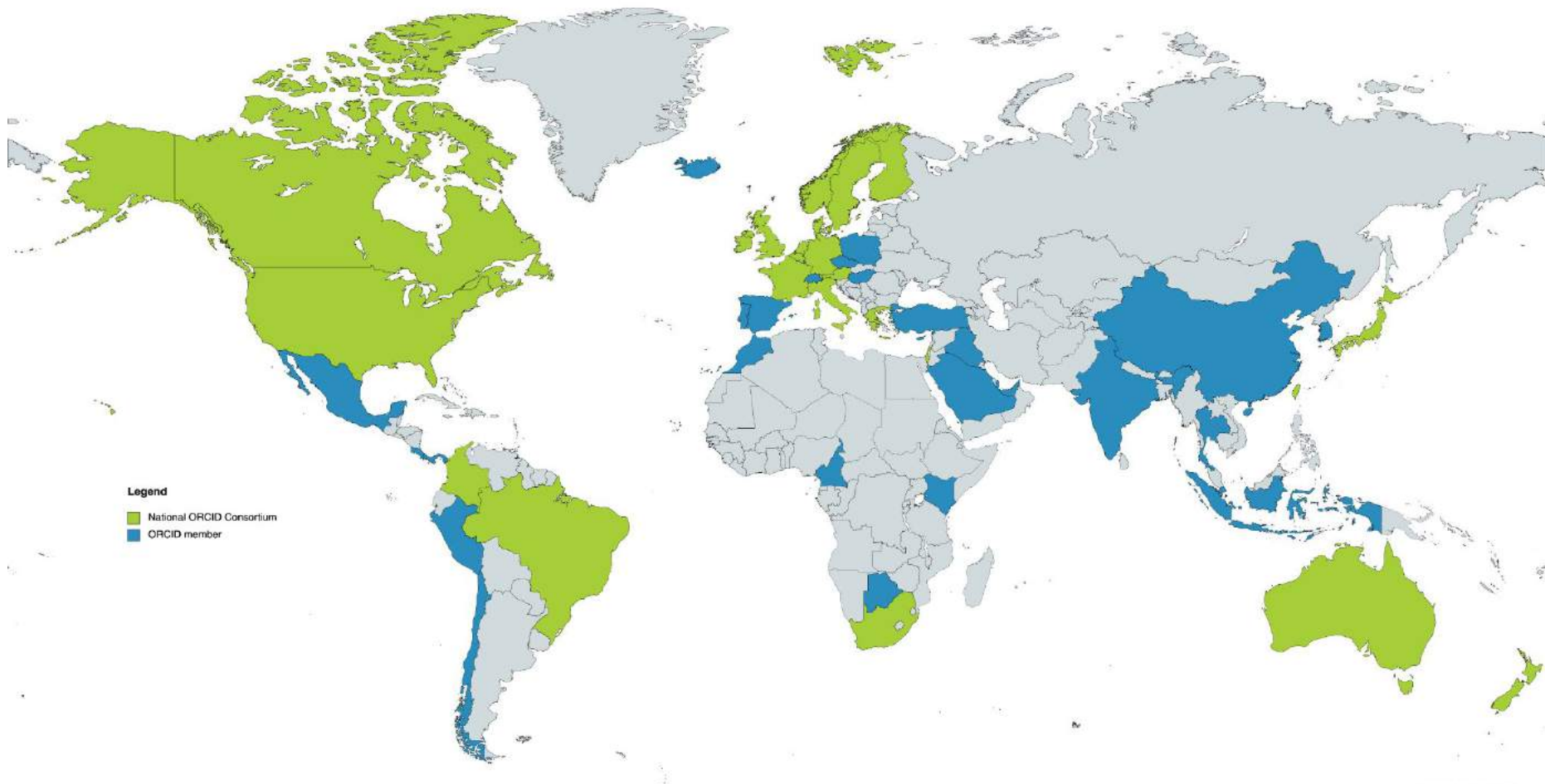
Je-S v7.9.2
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Source:

<https://www.ukri.org/apply-for-funding/how-we-make-decisions/guidance-for-orcid-reviewer-recognition>

ORCID community



Created with mapchart.net

ORCID'S VISION IS A WORLD WHERE ALL WHO
PARTICIPATE IN RESEARCH, SCHOLARSHIP, AND INNOVATION
ARE UNIQUELY IDENTIFIED AND CONNECTED TO THEIR
CONTRIBUTIONS AND AFFILIATIONS ACROSS TIME,
DISCIPLINES, AND BORDERS.



MEMBERSHIP CATEGORIES

Member Benefit	Basic - NonProfit	Premium	Consortium
API Access	(1)	(5)	(5) per consortium member
Webhooks: API-based notifications	No	Yes	Yes
Implementation support (email)	Yes	Yes - priority queue	Yes - via consortium lead, escalation to ORCID
Analytics reports	2/annum (general)	Real-time	Real-time
Orientation webinar to kick off project	1	Up to 2 per month	Consortium lead provides orientation; ORCID trains lead, sponsors global consortium workshop, provides information sharing platform
Requirements and Pricing	<ul style="list-style-type: none"> Consortium requirements at https://orcid.org/content/orcid-consortia Member details and price list at https://orcid.org/about/membership 		



ORCID Organization ✓
@ORCID_Org

Learn how to maximize #PID connections in your workflows and how open infrastructure providers are collaborating to make the world PIDder! Join our webinar on Sep 22, 2021 03:00 PM (UTC) co-hosted by @datacite, @CrossrefOrg, @ORCID_Org, and @ResearchOrgs.
datacite.zoom.us/webinar/register...



https://datacite.zoom.us/webinar/register/WN_fXrn4czCSn-IsSBjcpymUg

Nagode!
Imela!
E se!
Thank you!

