

# Open Access & Open Data

in accordance with the FAIR and CARE principles

Oct 25, 2023

UbuntuNet Connect

**Jo Havemann**

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e-mail: [info@access2perspectives.org](mailto:info@access2perspectives.org)

Session	Topic	
Session I	Introducing Open Science and the FAIR principles:	08:30 - 10:30
	<ul style="list-style-type: none"><li>● AfricArXiv Open Access principles</li><li>● Persistent Identifiers: ORCID, ROR, DOI</li></ul>	30 min break
Session II	Comparing scholarly repository systems:	11:30 - 13:00
	<ul style="list-style-type: none"><li>● Archiving features</li><li>● Content curation and metadata strategy</li></ul>	60 min break for lunch
Session III	Hands-on Practical ( <b>Please bring a laptop</b> ):	14:00 - 16:00
	<ul style="list-style-type: none"><li>● Upload, curate, deploy scholarly content</li><li>● Taking charge of institutional bibliometrics</li></ul>	

# Welcome

***“We are a community of scholars and entrepreneurs that support each other and are working towards a positive and purposeful impact by disseminating research results.”***

JO HAVEMANN

w: [access2perspectives.org](https://access2perspectives.org)

e: [info@access2perspectives.org](mailto:info@access2perspectives.org)

t: [@opensciomm](https://twitter.com/opensciomm)



## Reading Writing Publishing

Strategic Reading, Scholarly Writing, Peer Review, Scholarly Publishing, Visual Communication

## Career Development

Reputation Building, Presentation Techniques, Multilingualism, Transferable Skills

## Open Science

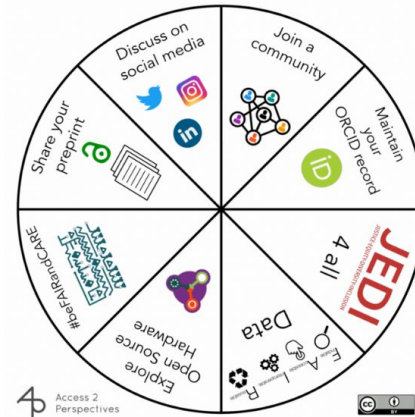
Open Access, Open Data, Open Source Hardware and Software, Open Methodology, Open Peer Review, Open Educational Resources (OER), Knowledge Transfer

## Research Integrity

Epistemology, Ethics, Responsible Research & Innovation (RRI), Animal Welfare, Sustainable Research

## Project Management

Agile & Lean Approaches, FAIR Data Management, CARE Principles, Digital Tools for Research





## Consulting & Mentoring

Open up your research workflow, from scholarly literature search, and methodology to dissemination of your results.

w: [access2perspectives.org](https://access2perspectives.org)



## Workshops & training

All topics are backed by real examples and relate to the participants' research projects and disciplines.

e: [info@access2perspectives.org](mailto:info@access2perspectives.org)



## Speeches, talks & seminars

We present all our course topics and projects in a talk, seminar, and in our online academy.

t: [@opensciomm](https://twitter.com/opensciomm)

# Podcast

 Access 2 Perspectives  
*Conversations*



Jo Havemann Julie Wren

Moving from Surviving to Thriving

[VIEW EPISODE](#)

 Access 2 Perspectives  
*Conversations*



Paola Masuzzo Jo Havemann

Open Science and Research Integrity in scholarly grassroots communities

[VIEW EPISODE](#)

 Access 2 Perspectives  
*Conversations*



Jo Havemann Martin Delahunty

On Open Science and STEM communication from one podcast host to another

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Walking the Talk  
Toward a Values-Aligned Academy

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Deafness and Academia

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Danny Chan Jo Havemann

Biotech Without Borders  
Community biology in New York City

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Sridhar Gutam Jo Havemann

IndiaRxiv, the preprint repository for the Indian Research community

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Stephanie Gauttier Jo Havemann

How to maintain mental well-being in the high performing research environment

[VIEW EPISODE](#)

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Abigail Dean Jo Havemann

Combining Conservation - Visual - and Science Communication

[VIEW EPISODE](#)

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*Conversations*



Jo Havemann Sarah Nyanchera Nyakeri

About vulnerable scientists

[VIEW EPISODE](#)



**Johanna Havemann** posted a **Definition**

February 12, 2021



## Open Science v1



8 related Definitions

Open Science is a concept promoting transparency, reproducibility, equity, and fairness in knowledge acquisition and dissemination for ecologically sustainable livelihood of a global society in accordance with Good Scientific Practice (GSP) by utilizing digital tools and services.

[geios.com/read/AMAPXU](https://geios.com/read/AMAPXU)

**OPEN SCIENCE:  
JUST SCIENCE  
DONE RIGHT**

Image license: CC-0



**United  
Nations**

Peace, dignity and equality  
on a healthy planet

# Universal Declaration of Human Rights

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## Article 27

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1. Everyone has the right freely to participate in the cultural life of the community, to enjoy the arts and to share in scientific advancement and its benefits.
2. Everyone has the right to the protection of the moral and material interests resulting from any scientific, literary or artistic production of which he is the author.

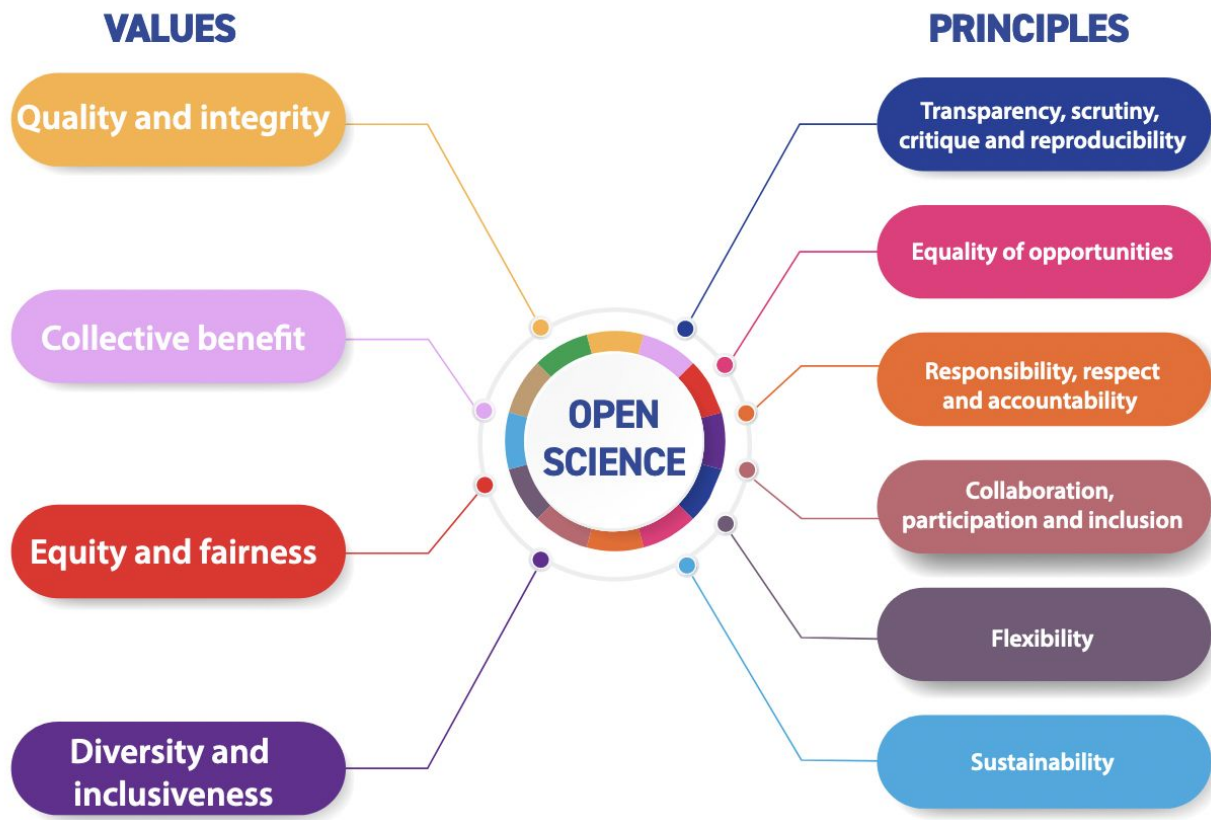


*Make your research output discoverable  
and accessible  
so that your results can unfold  
societal impact and benefits.*



unesco

[unesco.org/en/natural-sciences/open-science](https://unesco.org/en/natural-sciences/open-science)



# Key pillars of open science



unesco

# Key pillars of open science



Open  
Access



unesco



unesco

Our Expertise ▾

Our Impact ▾

Natural Sciences

# Open Science

Making science more accessible, inclusive and equitable for the benefit of all

[unesco.org/en/open-science](https://unesco.org/en/open-science)

*Do you believe that science can help progress towards reaching these goals?*







F.O.R.M.

Forum for Open Research in MENA

22nd-25th October, 2023

Abu Dhabi, United Arab Emirates

# AfricArXiv



Prof Madara Ogot

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Dr Jo Havemann

 [0000-0002-6157-1494](https://orcid.org/0000-0002-6157-1494)



Access 2  
Perspectives



**Let's make African research discoverable, together.**

[africarxiv.org](http://africarxiv.org)



**Tufuule okunoonyereza kwa Africa okuzuulibwa,  
nga tuli wamu.**

[africarxiv.org](http://africarxiv.org)

Masenze ucwaningo lwase-Afrika lutholakale

Thumela

Hlola

IKHAYA

MAYELANA ▾

HLOLA

THUMELA ▾

AMAQOQO ▾

AMAPHROJEKTHI ▾

IZINDABA ▾

AMA-WEBINARS

ULIMI ▾



AfricArxiv is a community-led digital archive for African research items such as research manuscripts, reports, illustrations, presentations, and more. By enhancing the visibility of African research, we enable discovery opportunities for African scientists on the continent as well as globally.

We are setting up a central repository to be hosted by [UbuntuNet Alliance](#); more to be announced in due course. Find scholarly works submitted to AfricArXiv in these generalist repositories:

- zu (Zulu)
- yo (Yoruba)
- xh (Xhosa)
- sw (isiSwahili)
- kanjalo (Somalia)
- isi-sn (isiShona)
- st (Sesotho)
- pt (Portuguese)
- om (Oromo)
- nso (Northern Sotho)
- ig (Igbo)
- ha (Hausa)
- fr (French)
- i-ar (Arabic)
- am (Amharic)
- ak (Twi)
- i-af (isiBhunu)

# 10 African OA Principles

[africanarxiv.pubpub.org/african-principles-for-open-access-in-scholarly-communication](https://africanarxiv.pubpub.org/african-principles-for-open-access-in-scholarly-communication)



- 1) Academic Research and knowledge from and about Africa should be **freely available** to all who wish to access, use or reuse it while at the same time being **protected from misuse and misappropriation.**

# Building solutions for challenges



Language barriers



Low digital visibility of African scholarly output



Underrepresented in Intl. research networks



Restricted access to research funding

# Benefits for Researchers + Publishers + Libraries



## Reputation Building

- + raising the profile of African researchers
- + worldwide online visibility

## Networking & Capacity building

- + trainings and webinars on scholarly publishing
- + with researchers across Africa and worldwide

## Discoverability of research output

- + indexing of shared research items
- + assigning DOIs
- + open licensing

<https://africarxiv.org>



## Submission of Research items

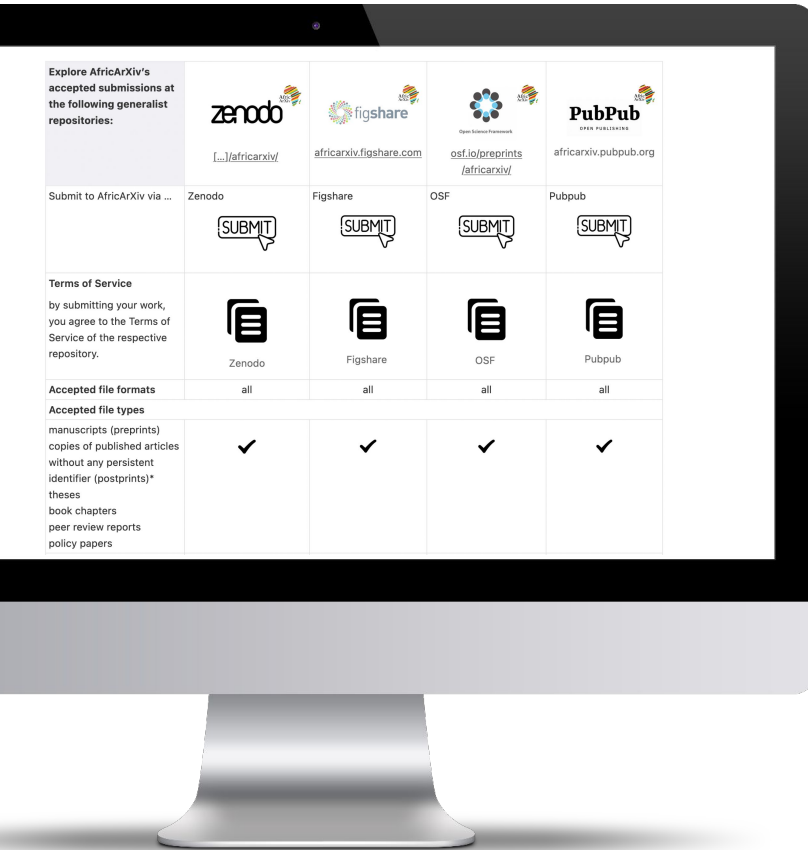
- from researchers working in and about Africa

## Submission Moderation

- checkpoints for quality assurance

## Discoverability

- assigning a DOI to each submitted item
- inked to the researchers ORCID ID
- indexing in scholarly search engines



Explore AfricArXiv's accepted submissions at the following generalist repositories:



[\[...\]/africarxiv/](#)

[africarxiv.figshare.com](#)

[osf.io/preprints/africarxiv/](#)

[africarxiv.pubpub.org](#)

Submit to AfricArXiv via ...

Zenodo

Figshare

OSF

Pubpub



Terms of Service

by submitting your work, you agree to the Terms of Service of the respective repository.



Zenodo

Figshare

OSF

Pubpub

Accepted file formats

all

all

all

all

Accepted file types

manuscripts (preprints)  
copies of published articles without any persistent identifier (postprints)\*  
theses



book chapters  
peer review reports  
policy papers

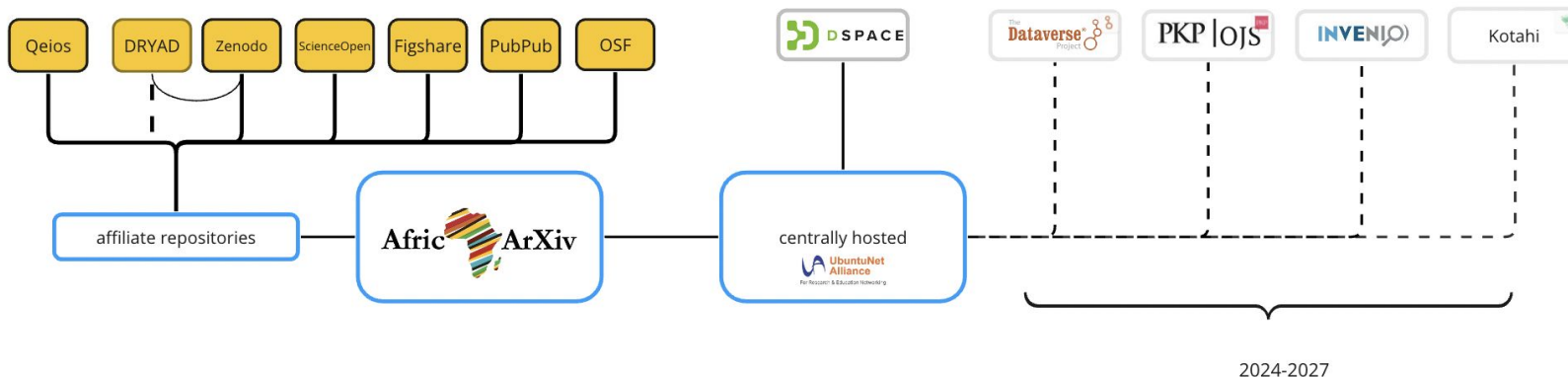
Since 2023 affiliated with



# Launching AfricArXiv as a locally hosted repository



- ★ Ensuring physical ownership and curation of research data
- ★ Utilizing open-source package/s (DSpace, PKP/OPS, InvenioRDM, ...)



Since 2023 affiliation with



# Launching AfricArXiv as a locally hosted repository



**UbuntuNet  
CONNECT | 2023**

**Kampala, Uganda | October 26-27**

**Fostering Creative and Innovative Research and  
Education Communities**

<https://ubuntunet.net>

Logos: European Union, UbuntuNet Alliance, Africa Connect 3, RENU

The poster is a dark blue rectangle with white and orange text. At the top, it says 'UbuntuNet CONNECT | 2023' in large, bold, orange letters. Below that, it says 'Kampala, Uganda | October 26-27' in white. Underneath is the tagline 'Fostering Creative and Innovative Research and Education Communities' in white. A white button with an orange border contains the URL 'https://ubuntunet.net'. At the bottom, there is a white rounded rectangle containing four logos: the European Union flag, the UbuntuNet Alliance logo, the Africa Connect 3 logo, and the RENU logo.

# 'Decolonize Science'

A collaborative initiative supported by **Lacuna Fund** and managed by the following organisations:



*We are translating 180 English research articles  
by African scholars across various disciplines  
to isiZulu, Northern Sotho, Yoruba, Hausa, Luganda, and Amharic.*

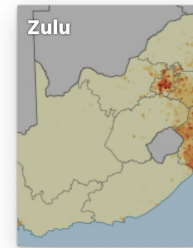
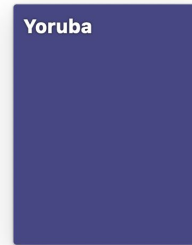
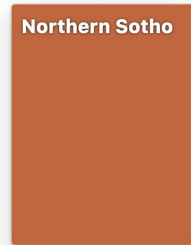
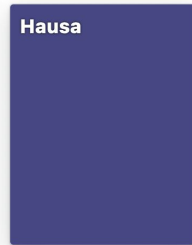
# Decolonising Scientific Writing for Africa

A collaborative initiative supported by **Lacuna Fund** and managed by the following organisations:



*We are translating 180 English research articles  
by African scholars across various disciplines*

## Translations



[africanarxiv.org](https://africanarxiv.org) >> [decolonising-scientific-writing-for-africa](https://decolonising-scientific-writing-for-africa)

# Decolonising Scientific Writing for Africa

*by ST Communications*

I-X-ray ebona izinto ezincane kakhulu ingasetshenziswa ukwenza imephu yezitho zezinambuzane ezincane

Zulu translation of DOI: 10.31730/osf.io/2urxf

*by ST Communications*

Mokgwa wa X-rei ya maekherosekhoupu o ka šomišwa go bona ditho tše nnyanenyane tša dikhunkhwane

Northern Sotho translation of DOI: 10.31730/osf.io/2urxf

*by ST Communications*

Za a iya amfani da dabarar X-ray maras gani don taswirar kanaan gabobin kwari

Hausa translation of DOI: 10.31730/osf.io/2urxf

*by ST Communications*

A lè lo ilàṅà X-ray tí a ò lè fojú lásán rí láti fi máápù àwọn èya ara kòkòrò kékeré

Yoruba translation of DOI: 10.31730/osf.io/2urxf

*by ST Communications*

Akakodyo k'okutangaaza ne X-ray kasobola okukozesebwa okulaga ebitundu by'ekiwuka ebitinniinya.

Luganda translation of DOI: 10.31730/osf.io/2urxf

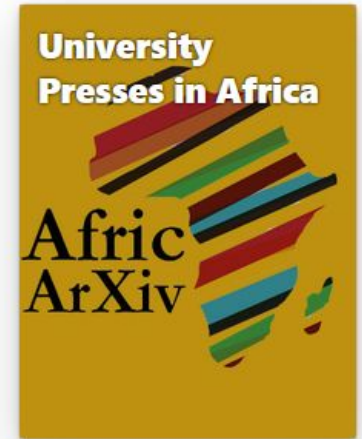
*by ST Communications*

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Amharic translation of DOI: 10.31730/osf.io/2urxf

# Projects

## Our Projects

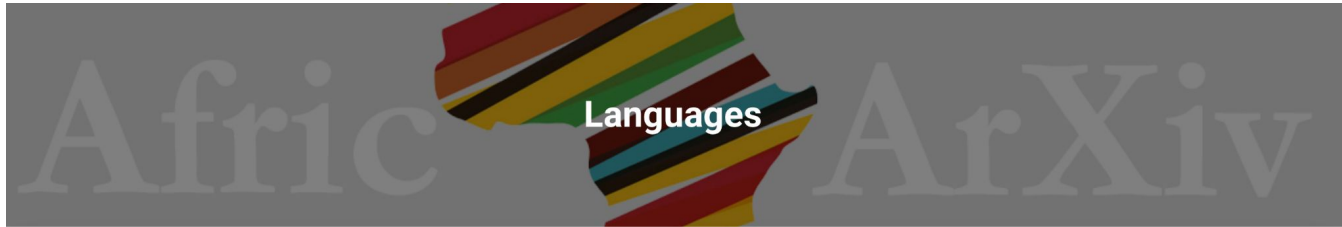


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**We advocate for use and acceptance of African languages in research publications**

Encouraging submitting authors to add a translation of the abstract or lay summary in the African language that is relevant to the context of their work; in accordance with the Helsinki Initiative on Multilingualism in Scholarly Communication.



# Supporting Diamond Open Access in Africa



**OPEN  
ACCESS**



# Supporting Diamond Open Access in Africa



## ❖ University Presses

- Facilitating the setup of cloud-based University Presses
- Fostering community-based publishing workflows and quality assessment

## ❖ African journals

- Hosting of and/or technical support to African journals, collections and catalogues
- Curation and coordination of [overlay journals](#)



# University Presses in Africa



## University Presses in Egypt

Press	Associated Institution	Status	AUP Member <sup>[8]</sup>	Ref.
<a href="#">American University in Cairo Press</a>	<a href="#">American University in Cairo</a>	Active	Yes	[111]
<a href="#">Institut Français d'Archéologie Orientale</a>	<a href="#">Institut Français d'Archéologie Orientale</a>	Active	No	[112]

## University Presses in Ethiopia

Press	Associated Institution	Status	Ref.
<a href="#">Addis Ababa University Press</a>	<a href="#">Addis Ababa University</a>	Active	[116]
<a href="#">Wollega University Press</a>	<a href="#">Wollega University</a>	Active	[117]

## University Presses in Namibia

Press	Associated Institution	Status	Ref.
<a href="#">University of Namibia Press</a>	<a href="#">University of Namibia</a>	Active	[215]

## University Presses in Nigeria

Press	Associated Institution	Status	Ref.
<a href="#">Ibadan University Press</a>	<a href="#">Ibadan University</a>	Active	[221]

## University Presses in Senegal

Press	Associated Institution	Status	Ref.
<a href="#">Presses Universitaires de Dakar</a>	<a href="#">Cheikh Anta Diop University</a>	Active	[280]

## University Presses in Kenya

Press	Associated Institution	Status	Ref.
<a href="#">CUEA Press</a>	<a href="#">Catholic University of Eastern Africa</a>	Active	[193]
<a href="#">Moi University Press</a>	<a href="#">Moi University</a>	Active	[194]
<a href="#">University of Nairobi Press</a>	<a href="#">University of Nairobi</a>	Active	[195]

## University Presses in South Africa

Press	Associated Institution	Status	Ref.
<a href="#">Pretoria University Law Press</a>	<a href="#">University of Pretoria</a>	Active	[282]
<a href="#">UCT Press</a>	<a href="#">University of Cape Town</a>	Active	[283]
<a href="#">Unisa Press</a>	<a href="#">University of South Africa</a>	Active	[284]
<a href="#">University of KwaZulu-Natal Press</a>	<a href="#">University of KwaZulu-Natal</a>	Active	[285]
<a href="#">Wits University Press</a>	<a href="#">University of the Witwatersrand</a>	Active	[286]

## University Presses in Zambia

Press	Associated Institution	Status	Ref.
<a href="#">UNZA Press</a>	<a href="#">University of Zambia</a>	Active	[511]



Guide

# New university press toolkit

Supporting and giving guidance to new university presses and library-led publishing ventures.



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## ☰ Contents

### New university press toolkit

About the toolkit

Why start a new university press?

Planning

Setting up the press

Attracting authors to your press

Publishing journals

Publishing books

Production

Dissemination

Preservation

Marketing

Impact and evaluation

[jisc.ac.uk/guides/new-university-press-toolkit](https://jisc.ac.uk/guides/new-university-press-toolkit)



**AfricArXiv amongst the first grantees of the ORCID Global Participation Fund**

by UbuntuNet Alliance, TCC Africa, and AfricArXiv Team



Published: Jan 27, 2023



- Encouraging adoption of PIDs
- Fostering best possible discoverability and indexing in open scholarly databases



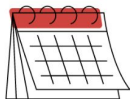


Open Science

Webinar Series  
2023/2024

A webinar series to assist  
African researchers, librarians, and institutions  
in the adoption of digital tools and services.

For a significant increase in African research discoverability  
and to increase efficiency in scholarly workflows.



Register at [africarxiv.org](https://africarxiv.org) >> WEBINARS

Presented by



Access 2  
Perspectives

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featuring:



Invest in Open  
Infrastructure



UNESCO Recommendation  
on Open Science

PKP PUBLIC  
KNOWLEDGE  
PROJECT



DataCite



The  
Dataverse  
Project



COS  
CENTER FOR  
OPEN SCIENCE



LENS.ORG



scienceOPEN.com  
research+publishing network



[africarxiv.org](https://africarxiv.org) >> WEBINARS



**Oct 11, 2023**

11am WAT – 12pm CAT – 1pm EAT

## Adoption of ORCID in Kenya, Cote d'Ivoire, Nigeria, and across Africa – opportunities and lessons learned.



**Peninnah Musangi**

Kenya Library and Information  
Services Consortium (KLISC)



**Cecile Coulibaly**

Université Virtuelle  
de Côte d'Ivoire (UVCI)



**Owen Iyoha**

Eko-Konnect



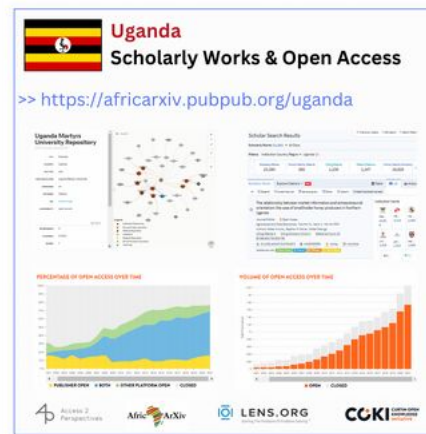
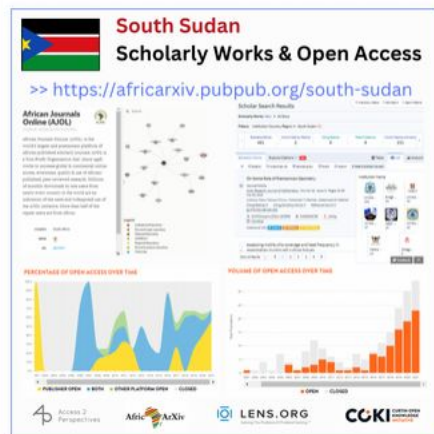
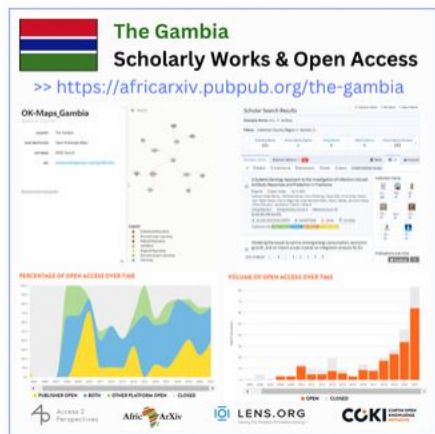
**Lombe Tembo**

ORCID

Moderator: **Ebuka Ezeike**

# Country profiles

## Research output and Open Access adoption

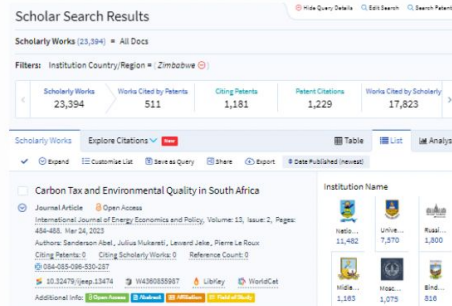
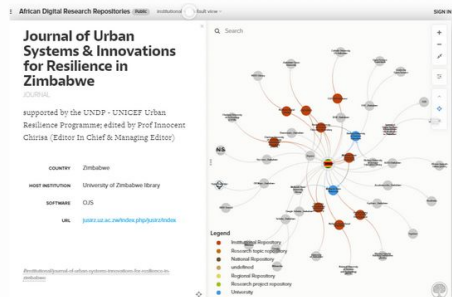




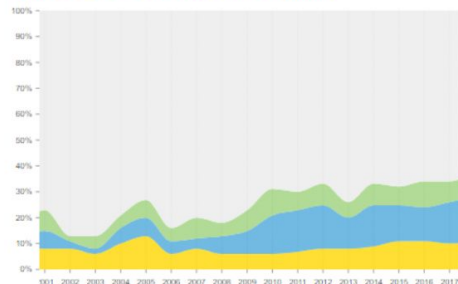
# Zimbabwe

## Scholarly Works & Open Access

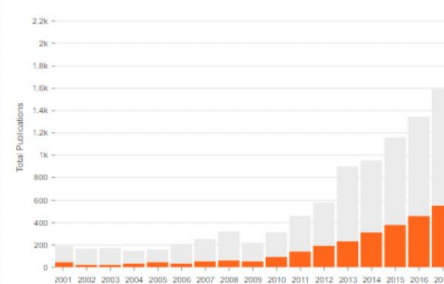
>> <https://africarxiv.pubpub.org/zimbabwe>



PERCENTAGE OF OPEN ACCESS OVER TIME



VOLUME OF OPEN ACCESS OVER TIME



## Our partners



## Project funding received from





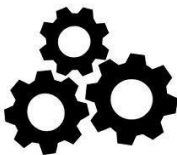
F  
indable



A  
ccessible



I  
nteroperable



R  
eusable



# Principles

CC BY SA SangyaPundir

**F**  
indable



- F1. (Meta)data are assigned a globally unique and persistent identifier**
- F2. Data are described with rich metadata (defined by R1 below)**
- F3. Metadata clearly and explicitly include the identifier of the data they describe**
- F4. (Meta)data are registered or indexed in a searchable resource**

**A**ccessible



**A1. (Meta)data are retrievable by their identifier using a standardised communications protocol**

**A1.1 The protocol is open, free, and universally implementable**

**A1.2 The protocol allows for an authentication and authorisation procedure, where necessary**

**A2. Metadata are accessible, even when the data are no longer available**

|nteroperable



- 1. (Meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation.**
- 2. (Meta)data use vocabularies that follow FAIR principles**
- 3. (Meta)data include qualified references to other (meta)data**

R <sub>reusable</sub>



**R1. Meta(data) are richly described with a plurality of accurate and relevant attributes**

**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**



CARE Principles  
for Indigenous  
Data Governance



## Collective Benefit

Data ecosystems shall be designed and function in ways that enable Indigenous Peoples to derive benefit from the data.

### C1

#### **For inclusive development and innovation**

Governments and institutions must actively support the use and reuse of data by Indigenous nations and communities by facilitating the establishment of the foundations for Indigenous innovation, value generation, and the promotion of local self-determined development processes.

### C2

#### **For improved governance and citizen engagement**

Data enrich the planning, implementation, and evaluation processes that support the service and policy needs of Indigenous communities. Data also enable better engagement between citizens, institutions, and governments to improve decision-making. Ethical use of open data has the capacity to improve transparency and decision-making by providing Indigenous nations and communities with a better understanding of their peoples, territories, and resources. It similarly can provide greater insight into third-party policies and programs affecting Indigenous Peoples.

### C3

#### **For equitable outcomes**

Indigenous data are grounded in community values, which extend to society at large. Any value created from Indigenous data should benefit Indigenous communities in an equitable manner and contribute to Indigenous aspirations for wellbeing.

## Authority to Control

Indigenous Peoples' rights and interests in Indigenous data must be recognised and their authority to control such data be empowered. Indigenous data governance enables Indigenous Peoples and governing bodies to determine how Indigenous Peoples, as well as Indigenous lands, territories, resources, knowledges and geographical indicators, are represented and identified within data.

### A1

#### **Recognizing rights and interests**

Indigenous Peoples have rights and interests in both Indigenous Knowledge and Indigenous data. Indigenous Peoples have collective and individual rights to free, prior, and informed consent in the collection and use of such data, including the development of data policies and protocols for collection.

### A2

#### **Data for governance**

Indigenous Peoples have the right to data that are relevant to their world views and empower self-determination and effective self-governance. Indigenous data must be made available and accessible to Indigenous nations and communities in order to support Indigenous governance.

### A3

#### **Governance of data**

Indigenous Peoples have the right to develop cultural governance protocols for Indigenous data and be active leaders in the stewardship of, and access to, Indigenous data especially in the context of Indigenous Knowledge.

# Responsibility

Those working with Indigenous data have a responsibility to share how those data are used to support Indigenous Peoples' self-determination and collective benefit. Accountability requires meaningful and openly available evidence of these efforts and the benefits accruing to Indigenous Peoples.

## R1

### **For positive relationships**

Indigenous data use is unviable unless linked to relationships built on respect, reciprocity, trust, and mutual understanding, as defined by the Indigenous Peoples to whom those data relate. Those working with Indigenous data are responsible for ensuring that the creation, interpretation, and use of those data uphold, or are respectful of, the dignity of Indigenous nations and communities.

## R2

### **For expanding capability and capacity**

Use of Indigenous data invokes a reciprocal responsibility to enhance data literacy within Indigenous communities and to support the development of an Indigenous data workforce and digital infrastructure to enable the creation, collection, management, security, governance, and application of data.

## R3

### **For Indigenous languages and worldviews**

Resources must be provided to generate data grounded in the languages, worldviews, and lived experiences (including values and principles) of Indigenous Peoples.

## Ethics

Indigenous Peoples' rights and wellbeing should be the primary concern at all stages of the data life cycle and across the data ecosystem.

### E1

#### **For minimizing harm and maximizing benefit**

Ethical data are data that do not stigmatize or portray Indigenous Peoples, cultures, or knowledges in terms of deficit. Ethical data are collected and used in ways that align with Indigenous ethical frameworks and with rights affirmed in UNDRIP. Assessing ethical benefits and harms should be done from the perspective of the Indigenous Peoples, nations, or communities to whom the data relate.

### E2

#### **For justice**

Ethical processes address imbalances in power, resources, and how these affect the expression of Indigenous rights and human rights. Ethical processes must include representation from relevant Indigenous communities.

### E3

#### **For future use**

Data governance should take into account the potential future use and future harm based on ethical frameworks grounded in the values and principles of the relevant Indigenous community. Metadata should acknowledge the provenance and purpose and any limitations or obligations in secondary use inclusive of issues of consent.

# Who owns research data?

The public ?

No-one ?

Everyone ?

The researcher ?

The Funder ?

The Research Institution ?

The PI ?



**Preprints  
and  
preprint repositories**

Open  
Access



*Preprint repositories have evolved  
to be an integral part of the  
open scholarly publishing workflow.*

Rounds of drafting  
& informal feedback



## Preprint

Work in progress  
Submitted version

Can always be shared in  
a green OA repository at  
any time

Submitted to journal  
Peer review  
Author corrections



## Postprint

Author-accepted  
manuscript (AAM)

Can always be shared in  
a green OA repository  
after accepted by  
journal (sometimes  
after embargo)

Copy-edited  
Typeset  
Formatted



## Published

Version of record  
PDF / HTML / XML  
DOI from journal

Can usually only be  
shared if published by a  
gold OA or hybrid  
journal



WIKIPEDIA

Thomas Shafee - Own work; adapted  
from diagram by Ginny Barbour

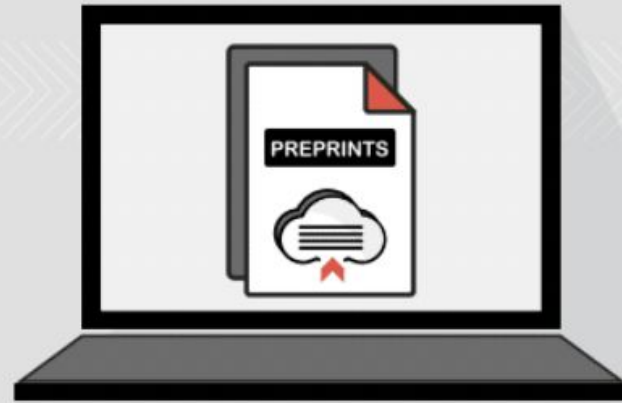


<https://en.wikipedia.org/wiki/Preprint>

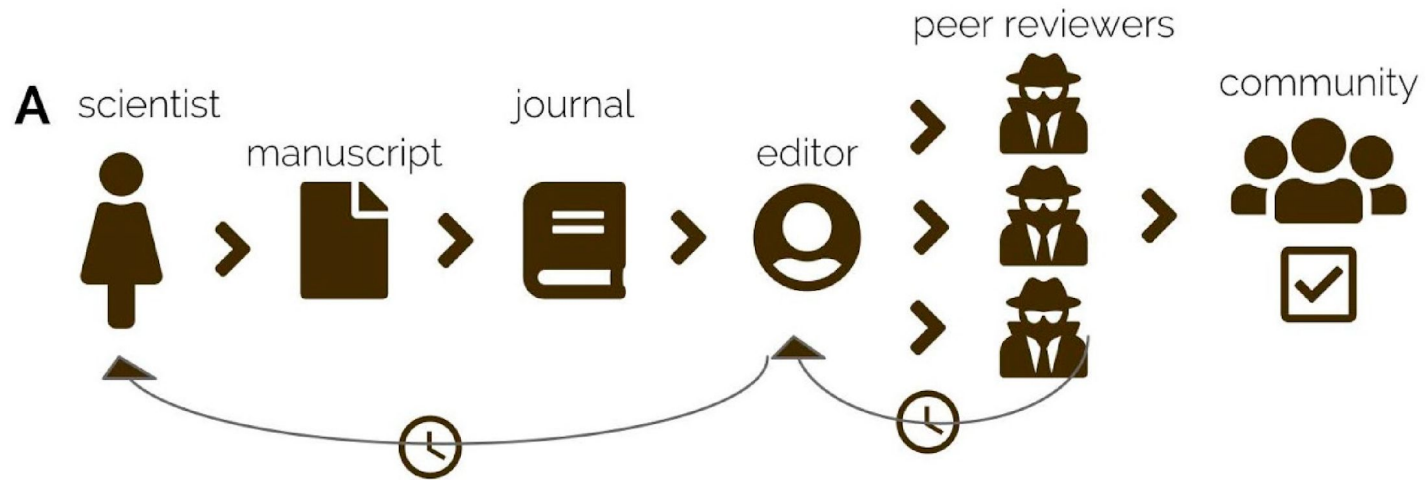
# ➤ Preprints

## What are they?

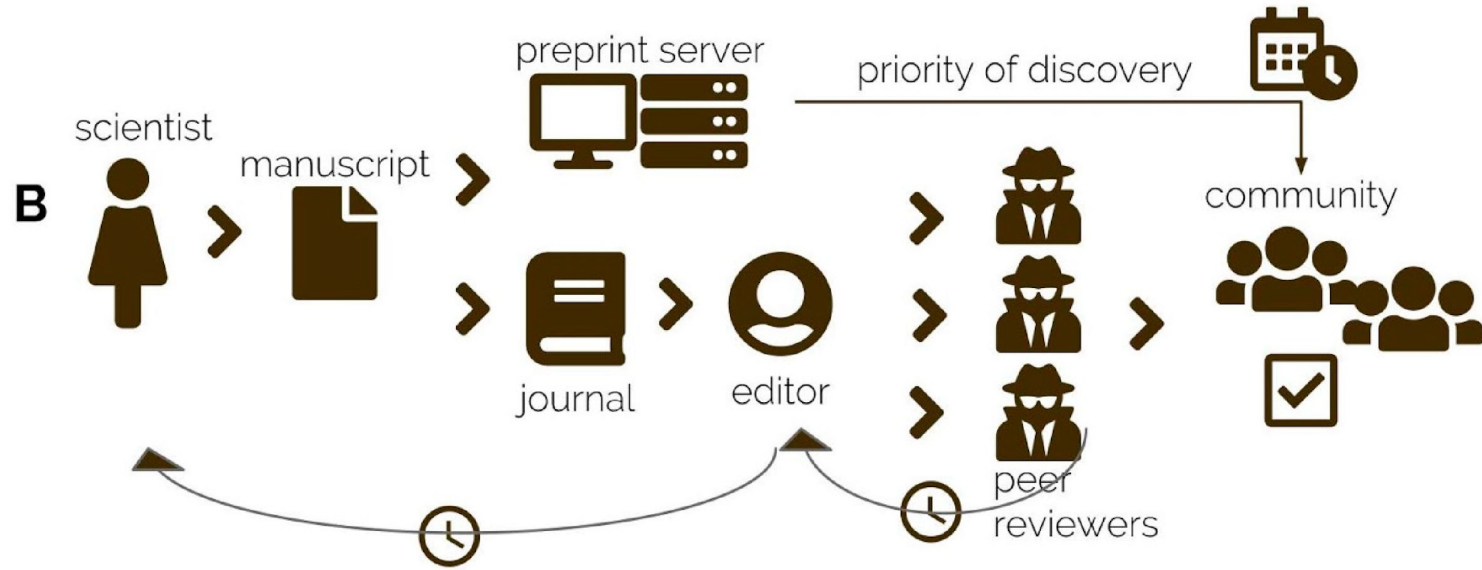
A preprint is a **scientific manuscript** that is uploaded by the authors to a **public server**



<https://doi.org/10.5281/zenodo.5592318>

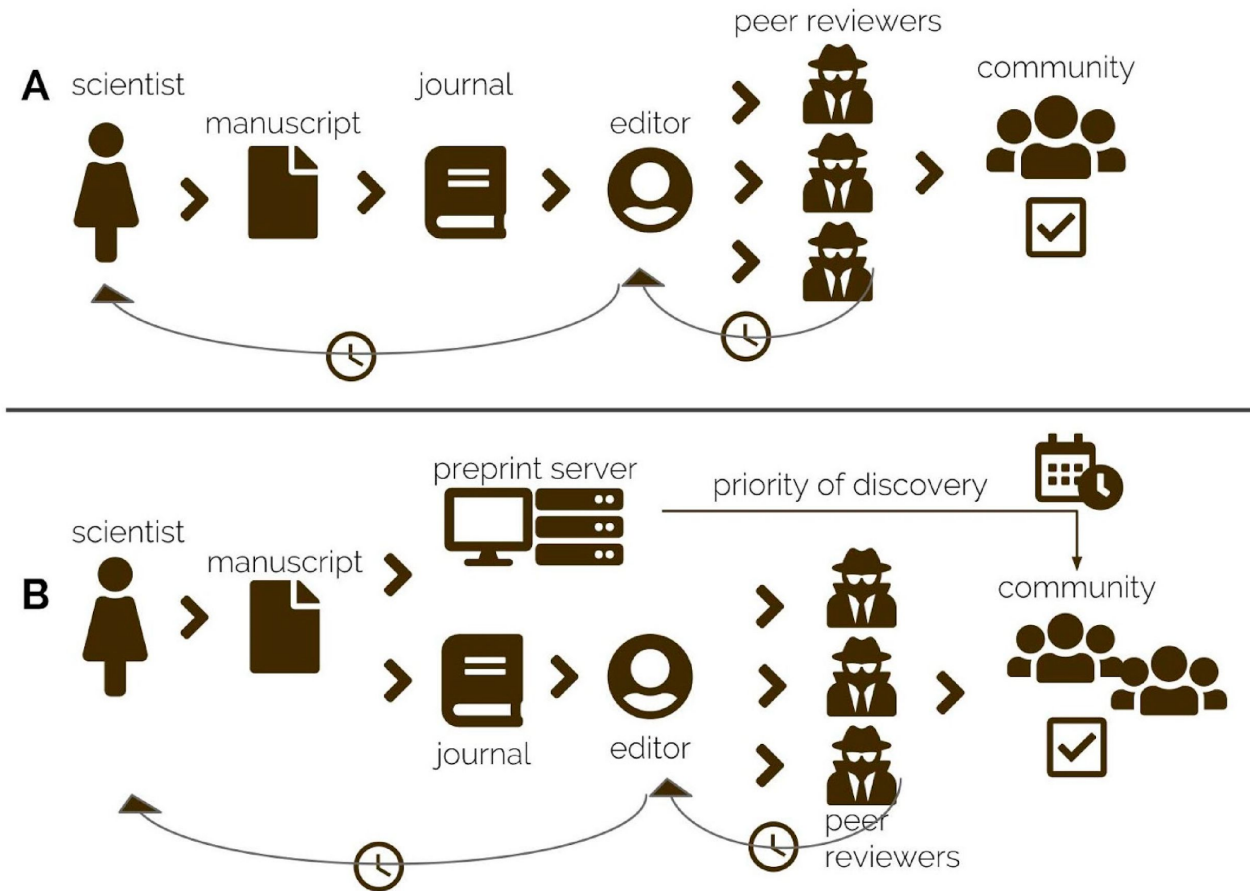


**Figure 1. (A)** Traditional peer review publishing workflow.



**Figure 1.** (A) Traditional peer review publishing workflow. (B) Preprint submission establishing priority of discovery.

*Publications* **2019**, 7(2), 34;  
<https://doi.org/10.3390/publications7020034>



**Figure 1.** (A) Traditional peer review publishing workflow. (B) Preprint submission establishing priority of discovery.

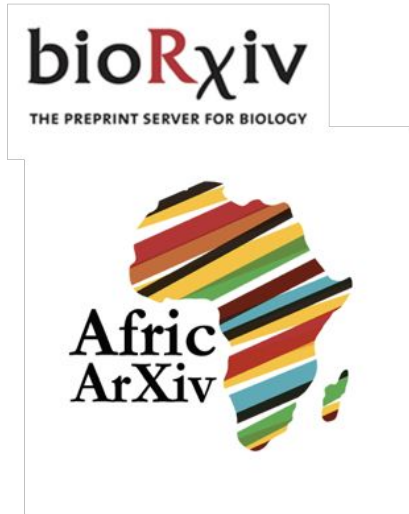
# Many of the existing preprint repositories also accept

- publication (1551052)
- image (759415) +
- dataset (155670)
- software (80507)
- presentation (31265)
- other (13859)
- poster (13014)
- video (5792)
- lesson (3866)
- physical object (543)

The screenshot shows the Zenodo website interface. At the top, there is a blue header with the Zenodo logo, a search bar, and buttons for 'Upload' and 'Communities'. On the right side of the header, there are 'Log in' and 'Sign up' buttons. Below the header, the search results are displayed. The first result is for a 'Journal article' titled 'IBRAT TILLAR OROMGOHI CHET TILLARINI O'RGANISH UCHUN QULAY MAKON' by Qosimova Zarguloy Abinjon qizi, uploaded on July 14, 2022. The second result is a 'Preprint' titled 'Note on the Riemann Hypothesis' by Frank Vega, also uploaded on July 14, 2022. On the left side of the search results, there are two filter panels: 'Access Right' and 'File Type'. The 'Access Right' panel includes options for 'Open (2551748)', 'Closed (52706)', 'Restricted (9319)', and 'Embargoed (1282)'. The 'File Type' panel includes options for 'Pdf (1108665)', 'Html (413243)', 'Png (389701)', 'Jpg (378324)', 'Zip (128316)', 'Xlsx (31325)', 'Txt (27959)', 'Docx (24085)', 'Csv (23335)', and 'Xml (18814)'. The search results are sorted by 'Most recent' and displayed in ascending order. The page number '1' is highlighted in the pagination controls.

<https://zenodo.org/search>

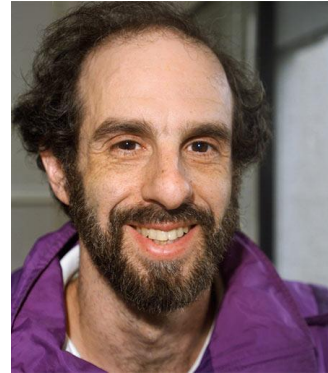
# Preprint Repositories





1,752,436 scholarly articles

founded by **Paul Ginsparg** in 1991



Physics

Mathematics

Computer science

Quantitative biology

Quantitative finance

Statistics

Electrical engineering and systems science

Economics

<https://arxiv.org>

Show 10 entries

Search:

Preprint server ^	Disciplinary scope ^	Ownership type ^	External content indexing ^	Permanence of content ^	Preservation of content ^	Other features (commenting, etc) ^
<a href="#">+ AAS Open Research</a>	Multiple scientific fields, including health and wellbeing*	Funding organisation (funder)	Google Scholar, Prepubmed, Europe PMC, SciLit	Permanent with some removal options in extraneous circumstances	Preprints permanently archived in Portico	Commenting (including annotation plug-ins), Onsite search, Link to Google Scholar citations, Blog and gateways
<a href="#">+ AfricArxiv</a>	All scientific fields	Academic community group; charity	Google Scholar, SHARE, Microsoft Academic, Unpaywall	Permanent with some removal options in extraneous circumstances	COS Preservation Fund to maintain read access for 50+ years	Commenting (including annotation plug-ins), Onsite search
<a href="#">+ AgriXiv</a>	Relating to agriculture and allied sciences, including life sciences, medicine and health sciences, social and behavioural sciences	Academic community group	Google Scholar, SHARE, Microsoft Academic, Unpaywall	Permanent with some removal options in extraneous circumstances	COS Preservation Fund to maintain read access for 50+ years	Commenting (including annotation plug-ins), Onsite search
<a href="#">+ AMRC Open Research</a>	Broad life & biomedical research, including basic scientific, translational, applied and clinical research	Funding organisation (funder); Membership organisation	Google Scholar, Prepubmed, Europe PMC, SciLit	Permanent with some removal options in extraneous circumstances	Preprints permanently archived in Portico	Commenting (including annotation plug-ins), Onsite search, Link to Google Scholar citations

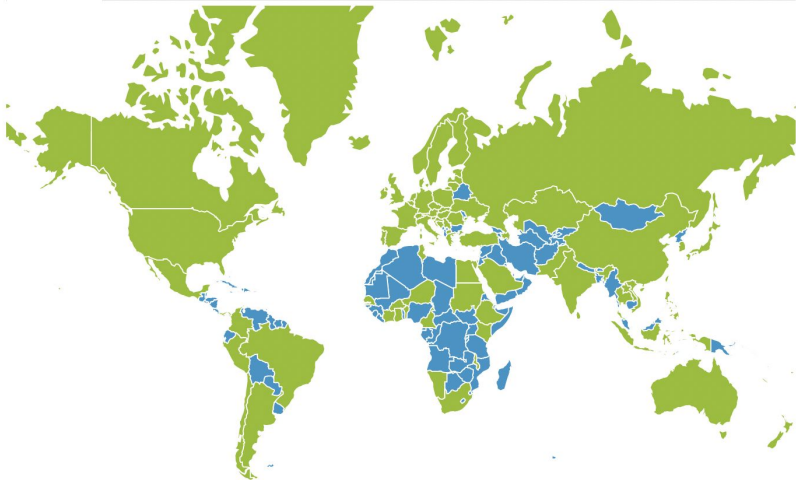
Search...

Search

## Browse by country

Graphical

Text

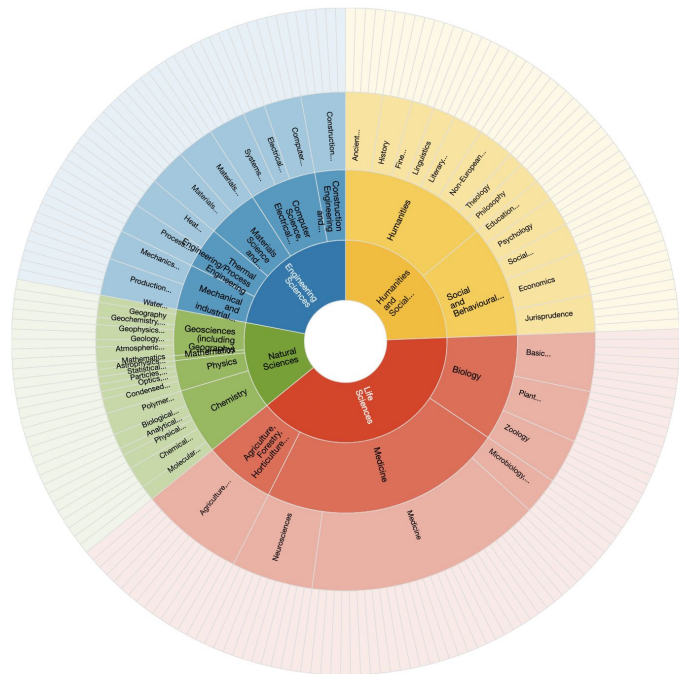


## Browse by subject

Graphical

Text

click to zoom into subjects or to select a bottommost subject in the hierarchy as filter for the re3data search page shift + click on a top subject to select it as filter



## Filter

- Subjects ⊕
- Content Types ⊕
- Countries ⊕
- AID systems ⊕
- API ⊕
- Data access ⊕
- Data access restrictions ⊕
- Database access ⊕
- Database licenses ⊕
- Data licenses ⊕
- Data upload ⊕
- Data upload restrictions ⊕
- Enhanced publication ⊕
- Institution responsibility type ⊕
- Institution type ⊕
- Keywords ⊕
- Metadata standards ⊕
- PID systems ⊕
- Provider types ⊕
- Quality management ⊕

kenya

Search

[Toggle short help](#)

← Previous 1 Next →

Sort by ▾

Found 6 result(s)

## Kenya Open Data



Subject(s)

Research on Teaching, Learning and Training Empirical Social Research Political Science Public Finance  
Economic and Social Policy Public Health, Health Services Research, Social Medicine Education Sciences  
Social and Behavioural Sciences Humanities and Social Sciences Social Sciences Economics Medicine Medicine  
Life Sciences

Content type(s)

Standard office documents Scientific and statistical data formats Structured graphics Plain text

Country

Kenya

Kenya Open Data offers visualizations tools, data downloads, and easy access for software developers. Kenya Open Data provides core government development, demographic, statistical and expenditure data available for researchers, policymakers, developers and the general public. Kenya is the first developing country to have an open government data portal, the first in sub-Saharan Africa and second on the continent after Morocco. The initiative has been widely acclaimed globally as one of the most significant steps Kenya has made to improve governance and implement the new Constitution's provisions on access to information.

## Publication strategy:

A preconsidered & coherent set of choices regarding the why, what, when, how and where of sharing/publishing research. What are your or your team's priorities for the next project coming up? What role for open science practices in your publishing?

[WHY]	[WHAT]	[WHEN]	[HOW]	[WHERE]
As my/my team's publishing goal is to ...	... we intend to publish these ...	... at these moments ...	... while trying to ...	... using these platforms/venues:
<input checked="" type="checkbox"/> establish priority on findings <span>i</span> <input type="checkbox"/> invite comments, feedback & scrutiny <input type="checkbox"/> archive evidence <input type="checkbox"/> promote my (team's) visibility <span>u</span> <input type="checkbox"/> create material to use in education <input checked="" type="checkbox"/> communicate with societal stakeholders <input type="checkbox"/> meet formal funder requirements <input checked="" type="checkbox"/> foster careers of ECRs and temporary staff <input type="checkbox"/> get new funding <input type="checkbox"/> have work formally peer reviewed <span>i</span> <input type="checkbox"/> provide information researchers can build on <input type="checkbox"/> provide information practitioners etc. can build on <input type="checkbox"/> make scholarly communication more equitable <input checked="" type="checkbox"/> make it easy for others to use the work <input checked="" type="checkbox"/> help improve reproducibility of science <span>i u</span> <input type="checkbox"/> contribute to knowledge curation <input type="checkbox"/> reach the largest possible audience <span>i</span> <input type="checkbox"/> make it easy for others to assess the work	<input type="checkbox"/> research applications/proposals <input type="checkbox"/> preregistrations <span>i u</span> <input type="checkbox"/> registered reports <span>i u</span> <input checked="" type="checkbox"/> data <span>i u</span> <input type="checkbox"/> data papers <span>i</span> <input checked="" type="checkbox"/> code & software <span>i u</span> <input type="checkbox"/> workflows and methods <input type="checkbox"/> presentation slides <input type="checkbox"/> conference posters <span>i</span> <input checked="" type="checkbox"/> articles/books reporting research results <span>i</span> <input type="checkbox"/> negative/null results <span>i</span> <input checked="" type="checkbox"/> replication studies <input type="checkbox"/> review articles <span>i</span> <input type="checkbox"/> systematic reviews <span>i u</span> <input type="checkbox"/> meta-analyses <span>i</span> <input type="checkbox"/> popularising books <input type="checkbox"/> blogs etc. on project progress <input checked="" type="checkbox"/> blogs etc. aimed at discussion <input type="checkbox"/> opinion pieces (e.g. in newspapers) <span>i</span> <input type="checkbox"/> guidelines <input type="checkbox"/> handbooks <span>i</span> <input type="checkbox"/> policy-oriented documents	<input type="checkbox"/> upon creation (open drafting) <input checked="" type="checkbox"/> as early as possible in our workflow <input type="checkbox"/> also before review (e.g. as preprint) <input type="checkbox"/> after formal peer review <span>i</span>	<input type="checkbox"/> use double blind peer review <span>i</span> <input type="checkbox"/> use single blind peer review <input type="checkbox"/> use open peer review (identities) <span>i u</span> <input checked="" type="checkbox"/> allow open peer review reports <span>i u</span> <input checked="" type="checkbox"/> discuss author order with all authors <span>i</span> <input type="checkbox"/> indicate contributor roles (CREDIT) <span>i</span> <input type="checkbox"/> credit all contributors to the research <input checked="" type="checkbox"/> add a plain language abstract <span>i</span> <input type="checkbox"/> add a data availability statement <input type="checkbox"/> cite OA (versions of) literature <input type="checkbox"/> add multilingual abstracts <span>i</span> <input type="checkbox"/> contribute to closed peer review <input type="checkbox"/> contribute to open peer review <span>i</span> <input type="checkbox"/> contribute to open commenting <input type="checkbox"/> improve versions using public comments <input type="checkbox"/> add a visual abstract <input type="checkbox"/> provide formal data/software citations <span>i i</span> <input checked="" type="checkbox"/> provide researcher identifiers (ORCIDs) <span>i u</span> <input checked="" type="checkbox"/> attach a CC-BY or CC0 license <span>i u</span> <input type="checkbox"/> attach a CC-BY-NC license <span>i u</span> <input type="checkbox"/> attach a CC-BY-ND license <span>i u</span> <input type="checkbox"/> abide by any reporting guidelines <span>i</span>	<input type="checkbox"/> fully open access journals <span>i u</span> <input checked="" type="checkbox"/> fully open access journals without APCs <span>i u</span> <input type="checkbox"/> open access books <span>i u</span> <input checked="" type="checkbox"/> institutional repositories <span>i i u</span> <input type="checkbox"/> subject repositories <span>i i</span> <input type="checkbox"/> general repositories like Zenodo <input checked="" type="checkbox"/> our own project website <input type="checkbox"/> journals with a high impact factor <span>i</span> <input type="checkbox"/> journals reaching the intended audience <input type="checkbox"/> learned society journals <input type="checkbox"/> journals of prestigious publishers <input type="checkbox"/> highly selective journals <input type="checkbox"/> journals only checking methodological rigour <input type="checkbox"/> journals with statistical review expertise <input type="checkbox"/> journals with the largest readership <input type="checkbox"/> specialised topical journals <input type="checkbox"/> broad multidisciplinary journals <input type="checkbox"/> journals explicitly aimed at interdisciplinarity <input type="checkbox"/> data archives <span>i u</span> <input type="checkbox"/> software repositories <span>i</span> <input type="checkbox"/> prestigious book publishers <input type="checkbox"/> journals indexed by specific search engines

## my/our strategy:

My/my team's publishing goal is to establish priority on findings, communicate with societal stakeholders, foster careers of ECRs and temporary staff, make it easy for others to use the work and help improve reproducibility of science. That is why we intend to publish data, code & software, articles/books reporting research results, replication studies and blogs etc. aimed at discussion, and mostly do that as early as possible in our workflow. Where relevant and possible we will try to allow open peer review reports, discuss author order with all authors, add a plain language abstract, provide researcher identifiers (ORCIDs) and attach a CC-BY or CC0 license. We aim to use these platforms and venues to communicate and share our work: fully open access journals without APCs, institutional repositories and our own project website.

N.B. This sheet can be used for discussing current ways of working and for discussing strategies, in groups as well as individual settings. Relevant options can vary for different projects you are working on. In a coherent strategy options chosen in the various columns make sense and do not contradict, although you can have multiple goals and parallel ways of working. To use the interactive functionality, first download your own copy of the worksheet. Then start by ticking a goal, which will often trigger some suggestions in the other columns that you can follow or ignore. You can add more goals. While making selections your narrative will be built. The 'i's lead to general background information, 'u's to information in the Utrecht University context (when reusing outside Utrecht you can remove those or adapt them to your own institutional context). Note this tool should not be a straitjacket but rather facilitate discussion. Copy-paste and manually edit the narrative generated here. Read on the [ABOUT](#) page.

Jeroen Bosman & Bianca Kramer, [CC0](https://tinyurl.com/publishing-strategy)  
<https://tinyurl.com/publishing-strategy>  
 last updated 20220213

## This map visualizes the existing digital repositories in Africa and on African topics.

Explore this map by clicking on individual nodes and see descriptions, websites and other information about the repositories.

With the navigation buttons to the right, you can zoom in and out, select and focus on specific elements.

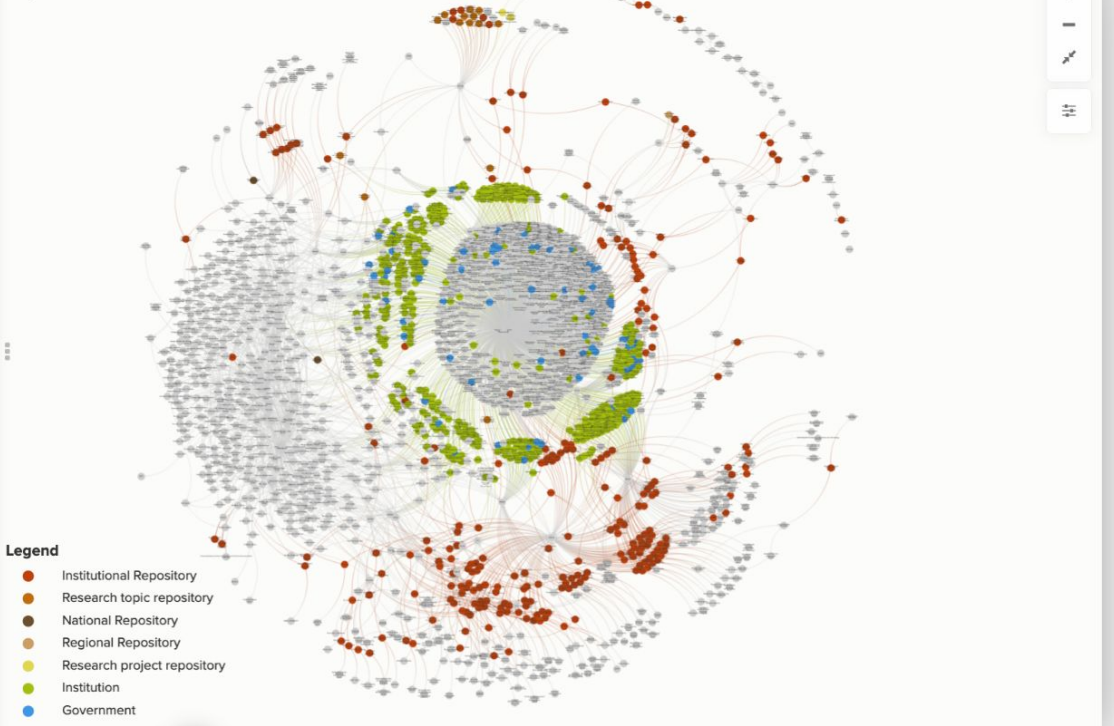
Learn more about research output from and about Africa at [info.africarxiv.org](http://info.africarxiv.org).

If you have comments, questions or suggestions for improvements on this map email us at [info@africarxiv.org](mailto:info@africarxiv.org).

**LICENSE: CC-BY SA 4.0**

Cite as: Bezuidenhout, Louise, Havemann, Jo, Kitchen, Stephanie, De Mutiis, Anna, & Owango, Joy. (2020). African Digital Research Repositories: Mapping the Landscape [text]. <http://doi.org/10.5281/zenodo.3732274>

Q Search





# Kampala International University Institutional Repository (KIUR)

INSTITUTIONAL REPOSITORY

Linked

CITY	Kampala
COUNTRY	Uganda
FILE TYPE	text
HOST INSTITUTION	Kampala International University
LANGUAGES	en
SOFTWARE	DSpace
URL	<a href="http://ir.kiu.ac.ug/">ir.kiu.ac.ug/</a>
ACCESSIBILITY	open access

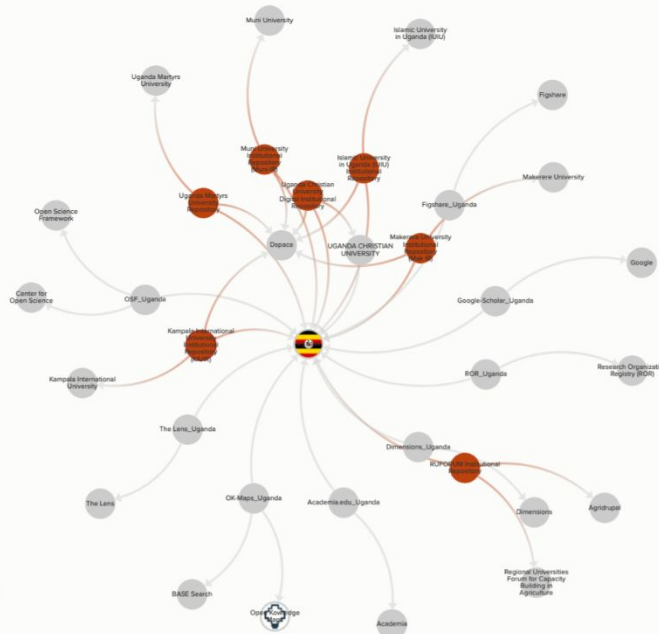
METRICS

BETWEENNESS	0
CLOSENESS	0.0043
DEGREE	1

Q Search

Legend

- Institutional Repository
- Research topic repository
- National Repository
- Regional Repository
- Research project repository
- Institution
- Government



<https://kumu.io/access2perspectives/african-digital-research-repositories#institutional/uganda?focus=2>



**Group work:** How can we **curate** Open Data at our library?

implement

support

facilitate

...

# Open Data

“A piece of data is open if anyone is free to use, reuse, and redistribute it – subject only, at most, to the requirement to attribute and/or share-alike.”

[opendefinition.org/od/2.1/en/](https://opendefinition.org/od/2.1/en/)

*The State of Open Data*, a 2019 book from African Minds

