

# Exploring Open Access Using Open Data

Lucy Montgomery & Karl Huang (Curtin University)



Link to this set of slides:

<https://doi.org/10.5281/zenodo.14360310>



**Dr Chun -Kai (Karl) Huang**

*Director of Centre for Culture and Technology  
Curtin University*



**Prof Lucy Montgomery**

*Dean of Research, Faculty of Humanities  
Curtin University*

<https://open.coki.ac>



**COKI Open Access Dashboard**

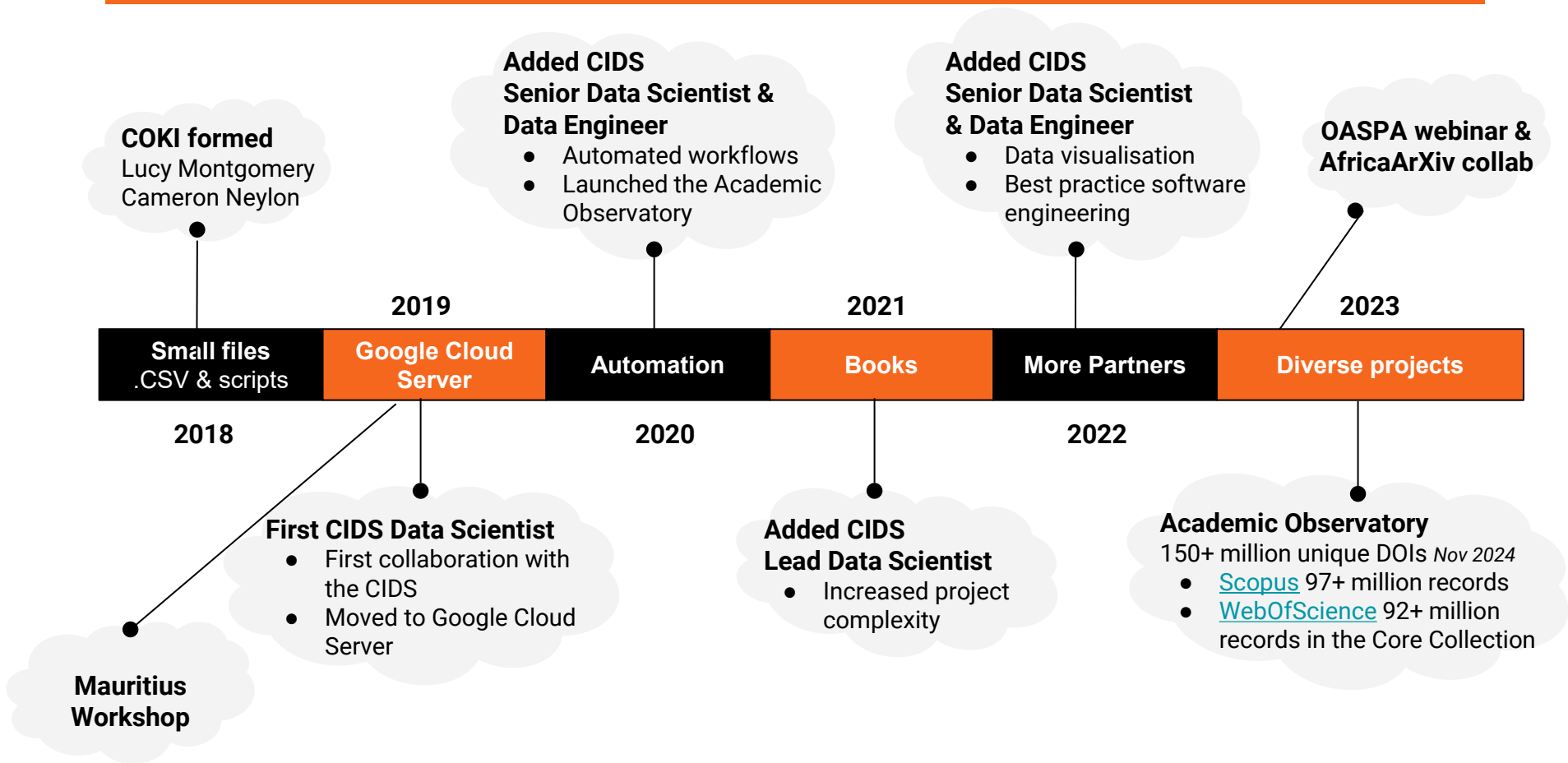
---

# AN OPEN KNOWLEDGE AGENDA

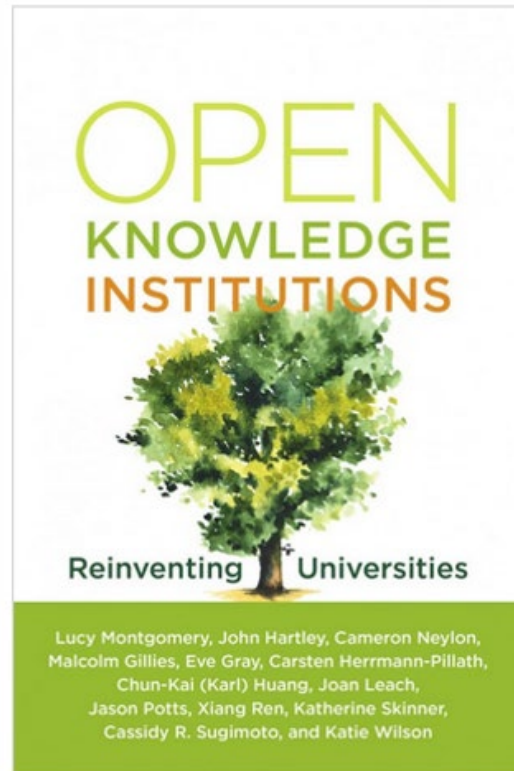


- 
- Established in 2018
  - Collaboration between the Centre for Culture and Technology and the Curtin Institute for Data Science
  - What does Open Knowledge change?
  - How can data about research and universities support an open knowledge agenda?

# COKI AND THE CURITN INSTITUTE FOR DATA SCIENCE



# Universities as Open Knowledge Institutions



<https://open-knowledge-institutions.pubpub.org/>





COKI Workshop, Mauritius, 2019
















# NEW OPPORTUNITIES

HOME

## OPEN ACCESS DASHBOARD

Open Access by country. Showing output counts, number and percentage of accessible outputs published between 2000 and 2022. You can sort and filter by region, subregion, number of publications, and open access levels. You may also search for a specific country in the search bar at the top right.

### COUNTRY

COUNTRY	OPEN ↓	BREAKDOWN PUBLISHER OPEN BOTH OTHER PLATFORM OPEN CLOSED	TOTAL PUBLICATIONS	OPEN PUBLICATIONS	
 SÃO TOMÉ AND PRÍNCIPE	93% 		1,633	1,519	<a href="#">LEARN MORE &gt;</a>
 INDONESIA	89% 		1,077,670	959,400	<a href="#">LEARN MORE &gt;</a>
 NICARAGUA	82% 		5,554	4,574	<a href="#">LEARN MORE &gt;</a>
 EQUATORIAL GUINEA	82% 		153	125	<a href="#">LEARN MORE &gt;</a>
 PERU	80% 		90,707	72,589	<a href="#">LEARN MORE &gt;</a>

### INSTITUTION

### FILTERS

REGION

- AFRICA >
- AMERICAS >
- ASIA >
- EUROPE >
- OCEANIA >

OPEN ACCESS

APPLY

CLEAR



225 countries  
52,444 institutions



# NEW OPPORTUNITIES

AfricArXiv

Search Dashboard Login or Signup

HOME ABOUT EXPLORE SUBMIT COLLECTIONS PROJECTS NEWS WEBINARS LANGUAGE





## Country Profiles

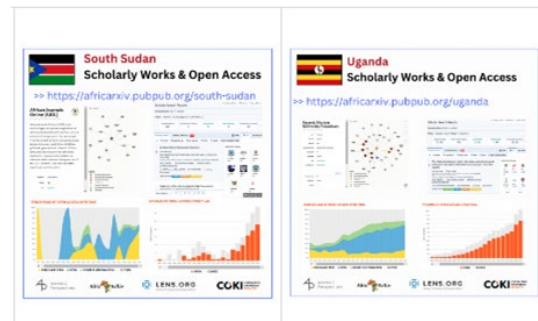
Issue

Here you can click through each African country to see their scholarly profiles by mapping of institutional repositories, generalist repositories, and research output as compiled by [The Lens](#) and [COKI Initiative](#).

For reference to our initial mapping African institutional repositories initiative, please refer to <https://africarxiv.pubpub.org/pub/african-digital-research-repositories-mapping-the-landscape/>

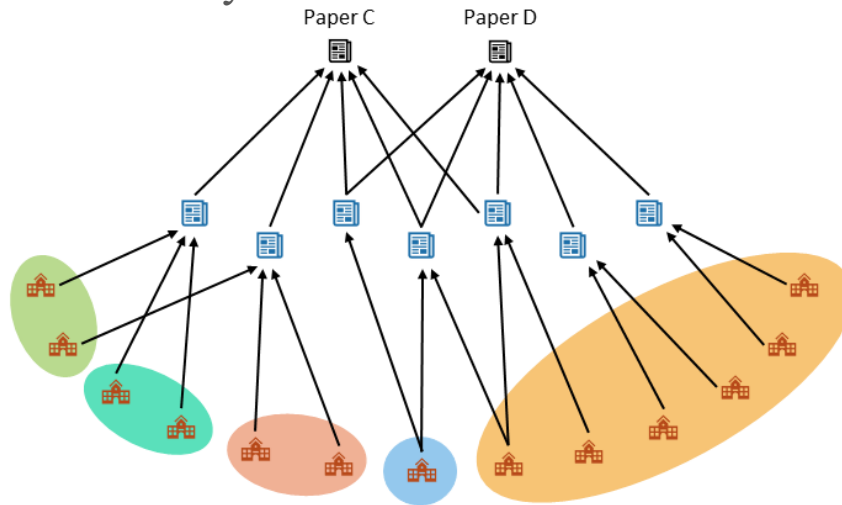
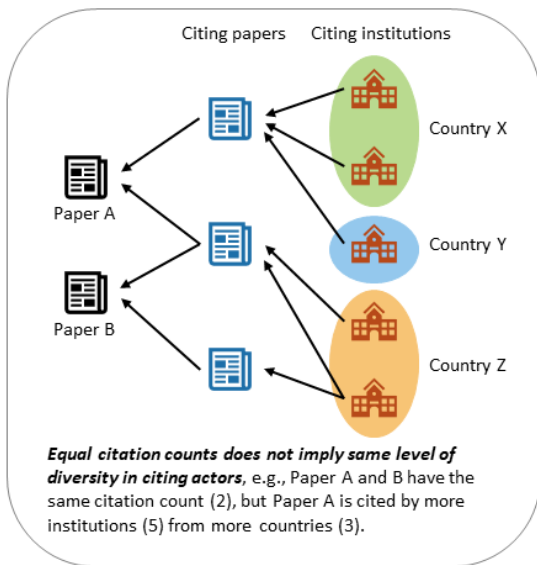
Contributing and featured organizations:

 <p>LENS.ORG Solving The Problem Of Problem Solving™</p>	<p>The <a href="#">Lens</a> serves global patent and scholarly knowledge as a public resource to make science- and technology-enabled problem-solving more effective, efficient and inclusive.</p>
 <p>CURTIN OPEN KNOWLEDGE INITIATIVE</p>	<p>The <a href="#">Curtin Open Knowledge Initiative (COKI)</a> is a strategic initiative to change the stories that universities tell about themselves, and to put open knowledge at the heart of that narrative.</p>
 <p>AJOL AFRICAN JOURNALS ONLINE</p>	<p><a href="#">African Journals Online (AJOL)</a>, the world's largest and preeminent platform of African-published scholarly journals, is a Non-Profit Organisation that (since 1998) works to increase global &amp; continental online access, awareness, quality &amp; use of African-published, peer-reviewed research</p>
 <p>DOAJ</p>	<p>The <a href="#">Directory of Open Access Journals (DOAJ)</a> is a unique and extensive index of diverse open access journals from around the world, driven by a growing community, committed to ensuring quality content is freely available online for everyone.</p>



# NEW OPPORTUNITIES

Thinking about *citations* in a different way:

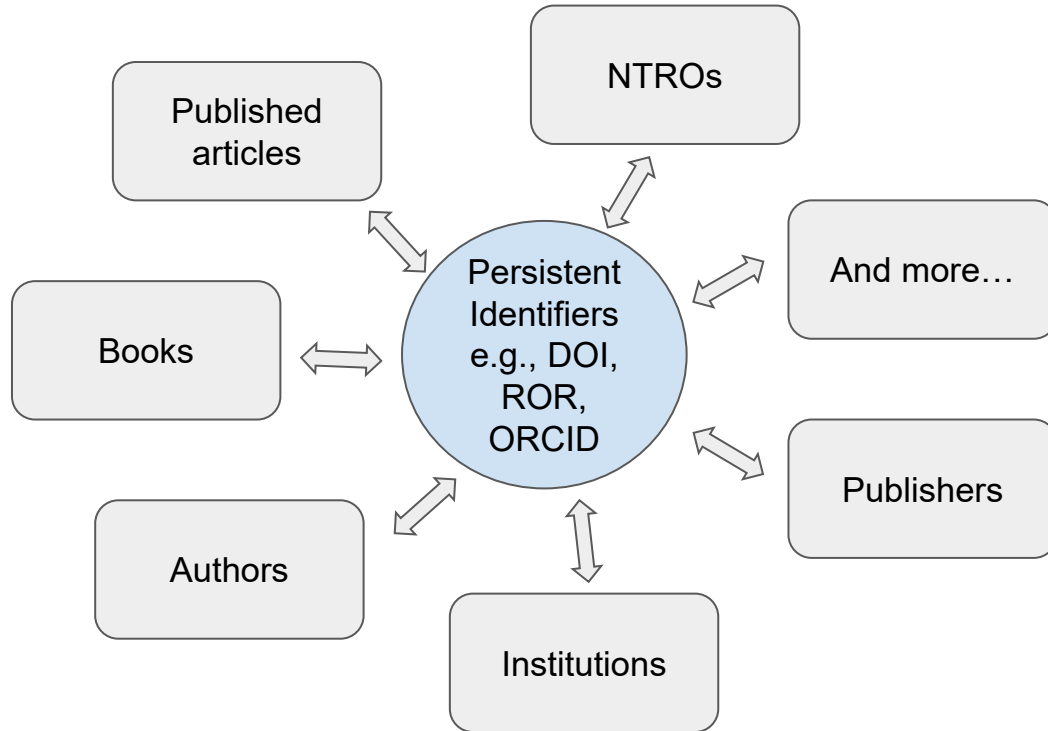


Paper	# Citations	# Citing institutions	# Citing countries	Gini-Simpson*	Shannon*
C	5	9	5	0.79	1.59
D	5	7	2	0.55	0.53

\* Calculated based on grouping all "citing paper to citing institution" pairs by countries.

# NEW OPPORTUNITIES

---



- Open data is now more comprehensive and rapidly improving
- We can do “open science on open science” with open data, open source, open systems, etc.
- More open, equitable, and control

# Thank you!

Link to this set of slides:

<https://doi.org/10.5281/zenodo.14360310>

[www.openknowledge.community](http://www.openknowledge.community)

[coki@curtin.edu.au](mailto:coki@curtin.edu.au)

