

What role can **Open Science** play in enabling **South-North dialogues?**



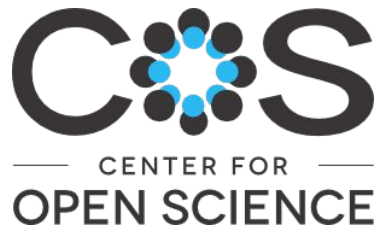
Johanna Havemann, PhD
March 19, 2019 in Berlin, Germany



A light gray world map is visible in the background of the slide, centered behind the text.

With **Open Science, researchers in
Africa, Latin America and South-East Asia can:**

- ✓ access research results
- ✓ contribute their own research outputs
- ✓ build transcontinental collaborations more effectively



open source infrastructure for region- and discipline-specific preprint repositories



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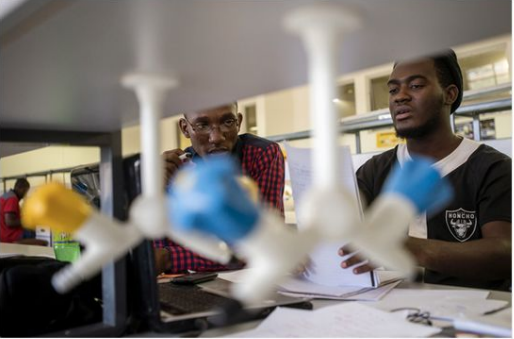
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African scientists launch their own preprint server

The free, online outlet is one of a growing number where academics on the continent can share their work

25 June 2018

Smriti Mallapaty



Physicists at the University of Namibia, Windhoek, Namibia

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Nature Index (June 25, 2018)

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OPEN SCIENCE

A research platform for African scientists will take papers in local languages

By Kwesi Gyamerah [Article Commentary](#) - June 27, 2018



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African languages will have a formal role in the scientific research community with the launch of a repository that encourages and accepts research in indigenous languages including Swahili, Akan, Zulu, Igbo and more.

QUARTZ Africa (June 27, 2018)



Submissions in African languages

AfricArXiv users can submit their work in **Swahili, Yoruba, Igbo, Afrikaans, Wolof, Fon**, or any African language.

About **2,000 languages** are spoken in Africa.

A high amount of **traditional and indigenous knowledge**

[A research platform for African scientists will take papers in local languages](#), QUARTZ Africa (June 27, 2018)

[Africa's preprint platform: a gateway for mother tongue science](#), Research Africa (June 28, 2018)

info.africarxiv.org



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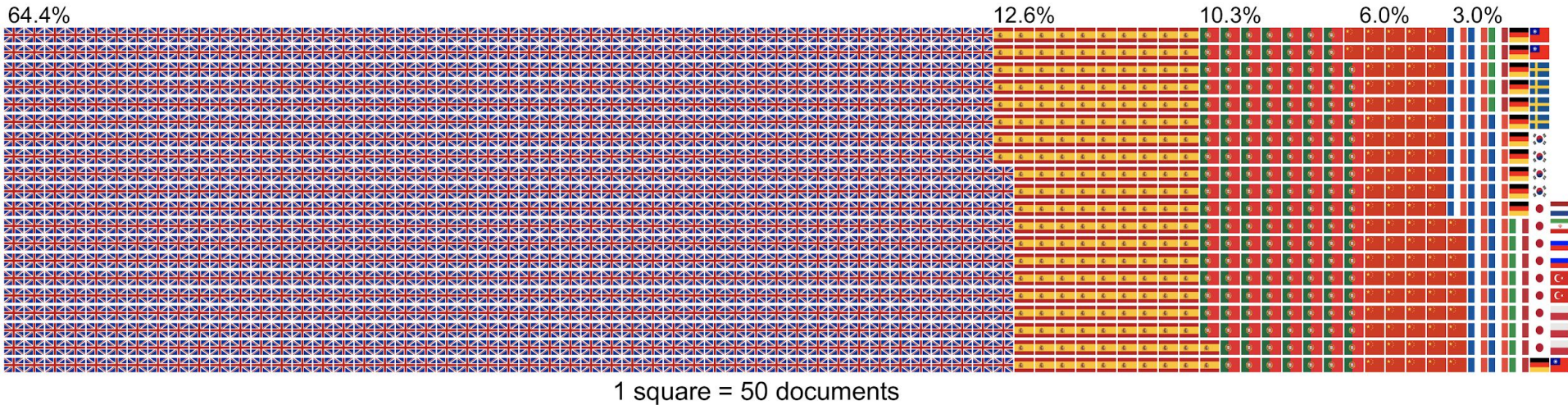
A high amount of **traditional and indigenous knowledge**

[A research platform for African scientists will take papers in local languages](#), QUARTZ Africa (June 27, 2018)

[Africa's preprint platform: a gateway for mother tongue science](#), Research Africa (June 28, 2018)

Languages Are Still a Major Barrier to Global Science

Google Scholar search on #biodiversity #conservation in 16 languages



1 square = 50 documents

Amano T, González-Varo JP, Sutherland WJ (2016).
PLoS Biol 14(12): e2000933. doi.org/10.1371/journal.pbio.2000933

#OSciBar session: **Languages in Open Science**

https://etherpad.wikimedia.org/p/oscibar2019_session14

We need **language diversity** in science.

We need a **common language** to connect.

We suggest a **balanced use of both** while using as much **technology for support** as possible.



AfricArxiv, 2018 in numbers

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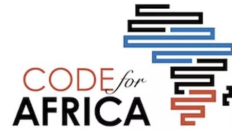
Kathryn Kellett, University of California, San Diego, USA



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AFRICA
OPEN SCIENCE
HARDWARE



Open Science enables **Global Knowledge Exchange**

- ✓ More visibility for [African] research output
- ✓ Increased collaboration across the continent
- ✓ Triggering interdisciplinary research



Open Science enables **Global Knowledge Exchange**

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