

Theme: *Explore the Transformative Power of ICT in Addressing Crucial Development Challenges Across the Globe*

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Open Science Landscape in Africa

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African Open Science Platform (AOSP)

The African Open Science Platform (AOSP) with HQ in SA

(<https://aosp.org.za/>)

It has 3 regional nodes:

1. Egyptian National Authority for Remote Sensing and Space Sciences (NARSS) is the Northern African Node based in Egypt;
2. The African Institute for Capacity Development (AICAD) is the East African Node based in Kenya
3. The UbuntuNet Alliance is the Southern Africa Node based in Zambia

AOSP EA Node:

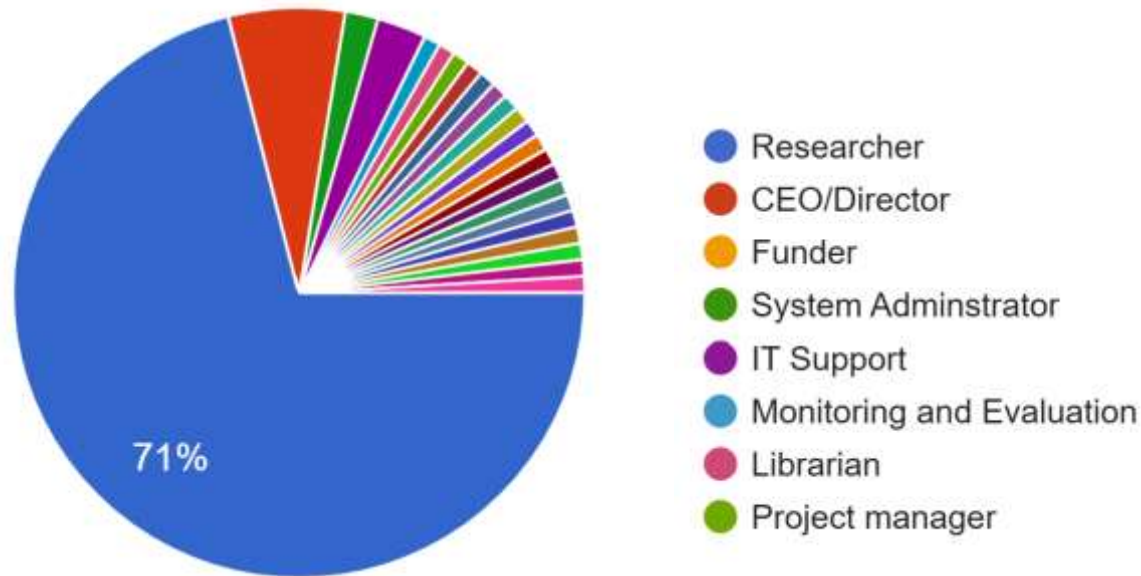
- AICAD and JKUAT jointly host the AOSP-EA region node.
- The Africa Open Science Platform Eastern Africa Node (AOSP-EA node) administration office is based at AICAD.
- The main objective of the AOSP)-EA node is to promote efforts aligned with implementing open science Programmes in the Eastern Africa region, strengthen knowledge networks and infrastructure access and enhance cooperation between regions and globally in support of AOSP's vision

OS Landscape in Africa Survey Highlights:

The survey aimed at providing an updated understanding of current open science policies, the hardware and software infrastructures supporting open science, the essential skills required to effectively engage in open science practices, and the role of funding in supporting these efforts.

Focus Area:

• 107 Responses



Roles

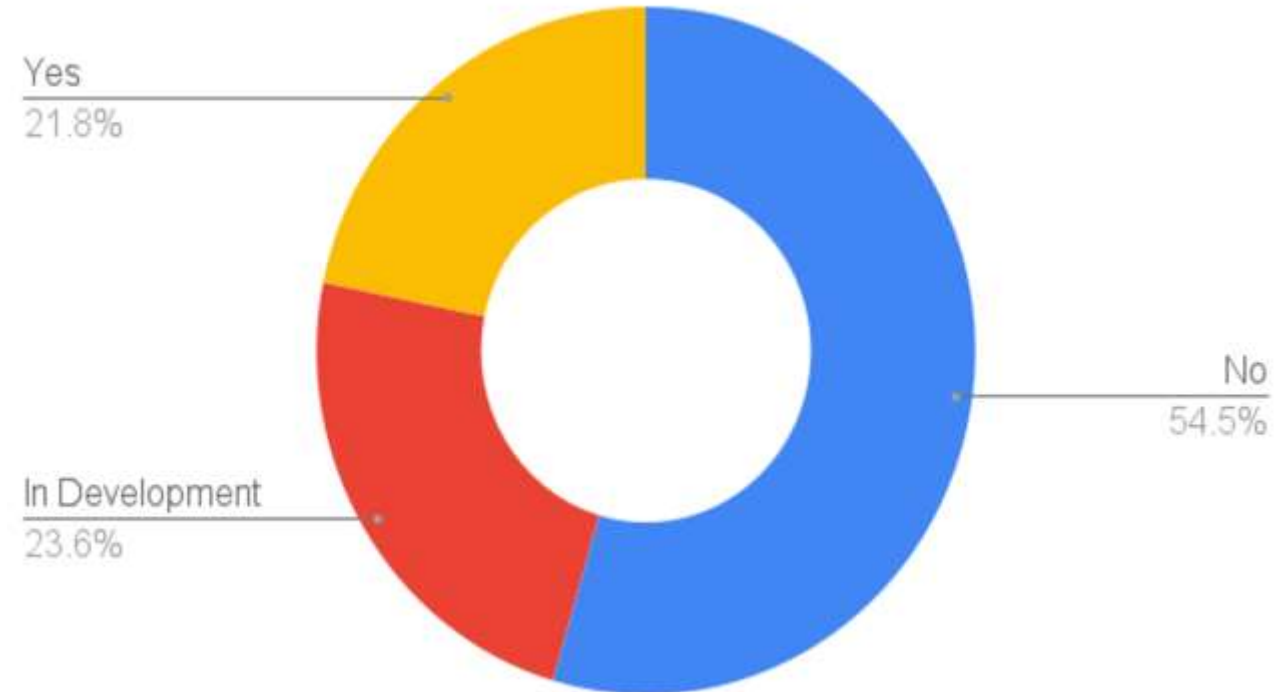
1. Open Science Policy
2. Hardware & Infrastructure
3. Software & Tools
4. Skills & Training
5. Collaboration & Research Visibility
6. Funding & Incentives

Open Science Policy

Examples of Policies that Support OS

- JKUAT Open Research Data (JORD) policy
- UCT's open access policy
- Wits policy
- CNRS researchers
- IHVN Open Science culture
- the Regents' policy
- University of Michigan's (U-M's) support OS - open scholarly exchange and academic freedom.
- JKUAT Repository Policy
- Northumbria University Open Research statement
- RUFORUM Open Science Policy
- ASSAf OS Pillars

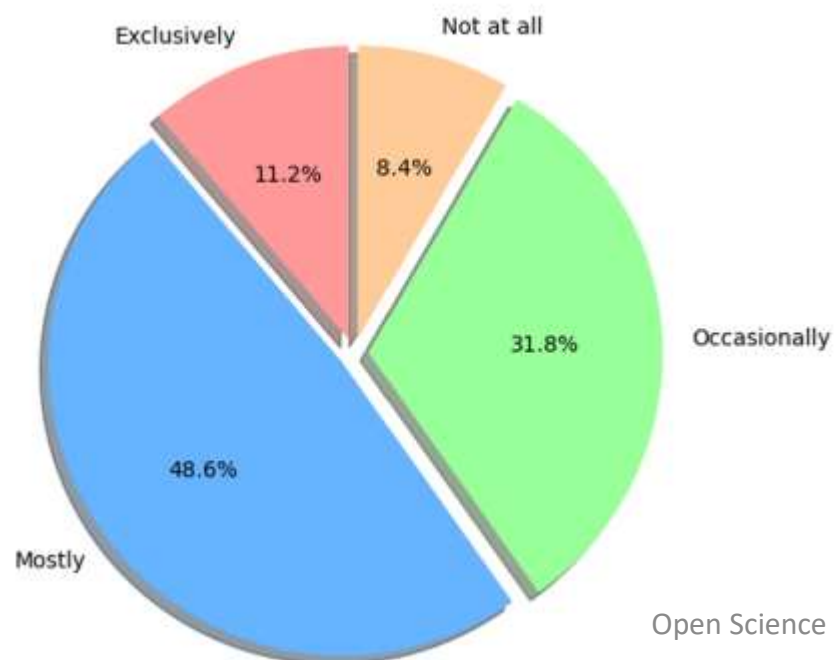
Does your institution have a formal policy for Open Science?





Skills Needed

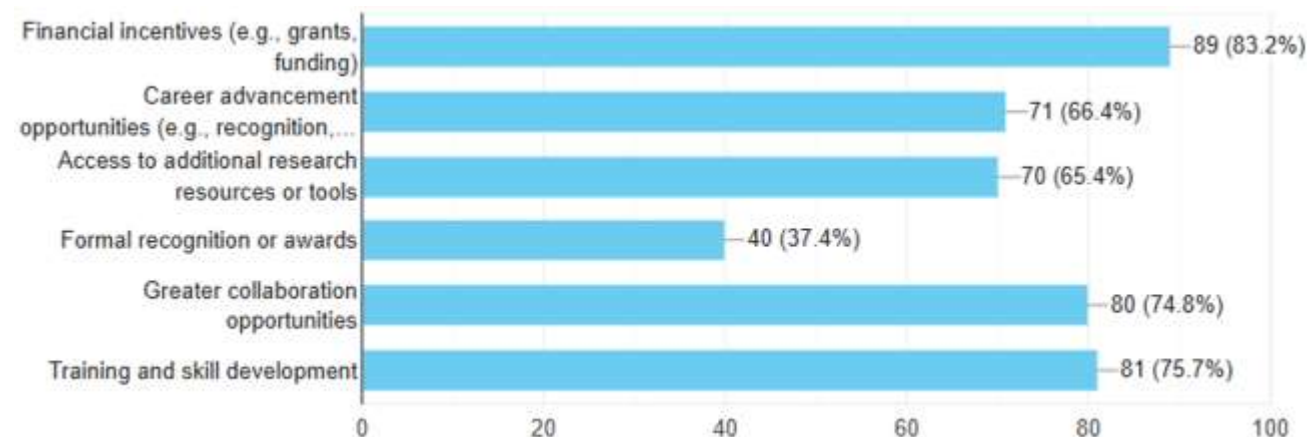
To what extent do you use open-source software in your research?



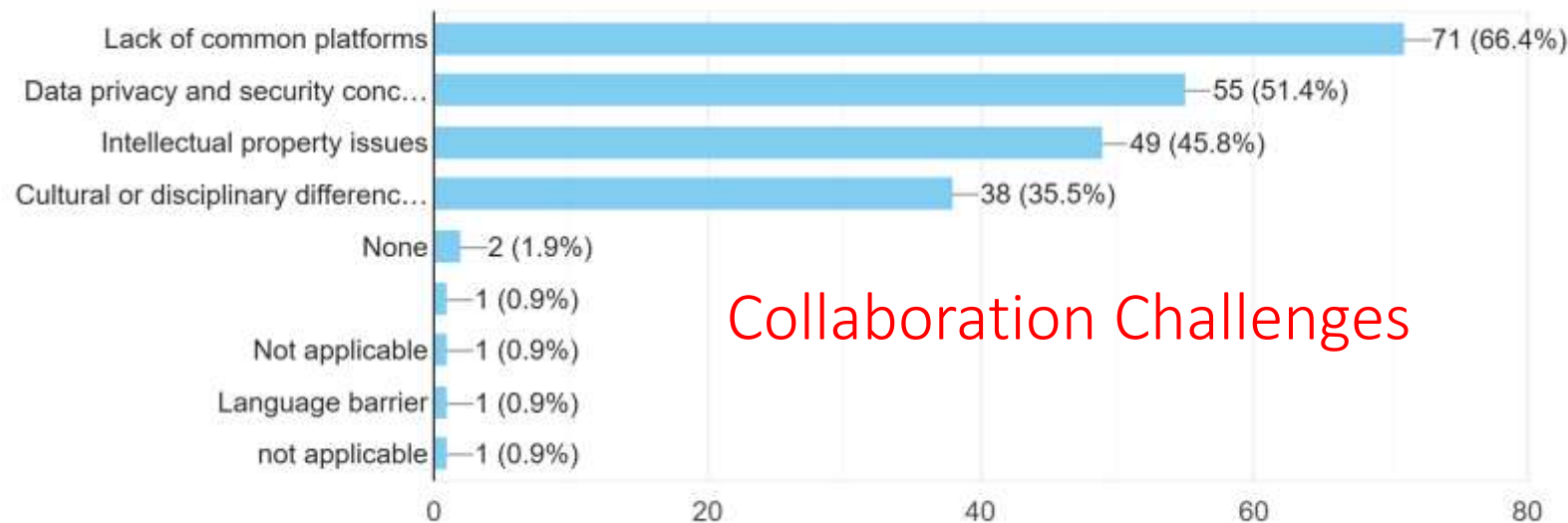
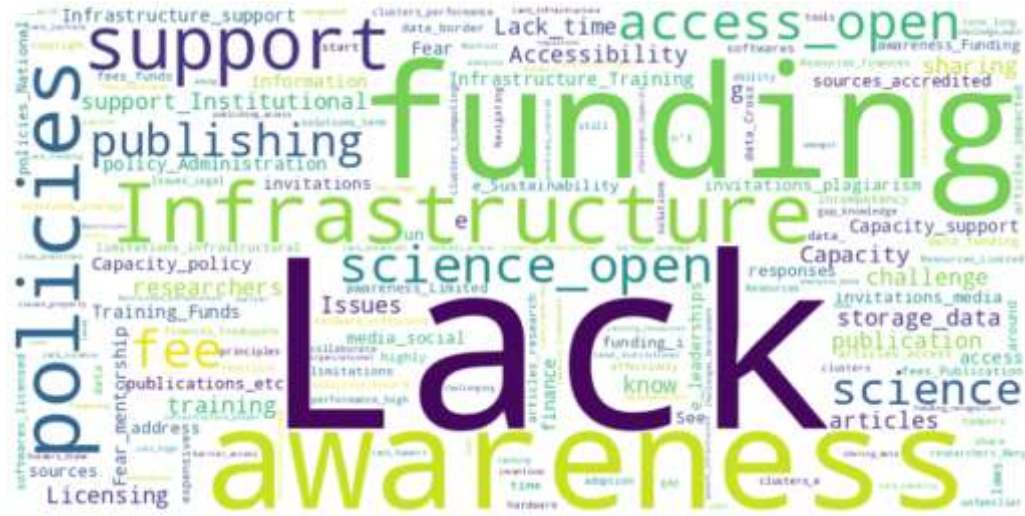
Additional Resources to support OS



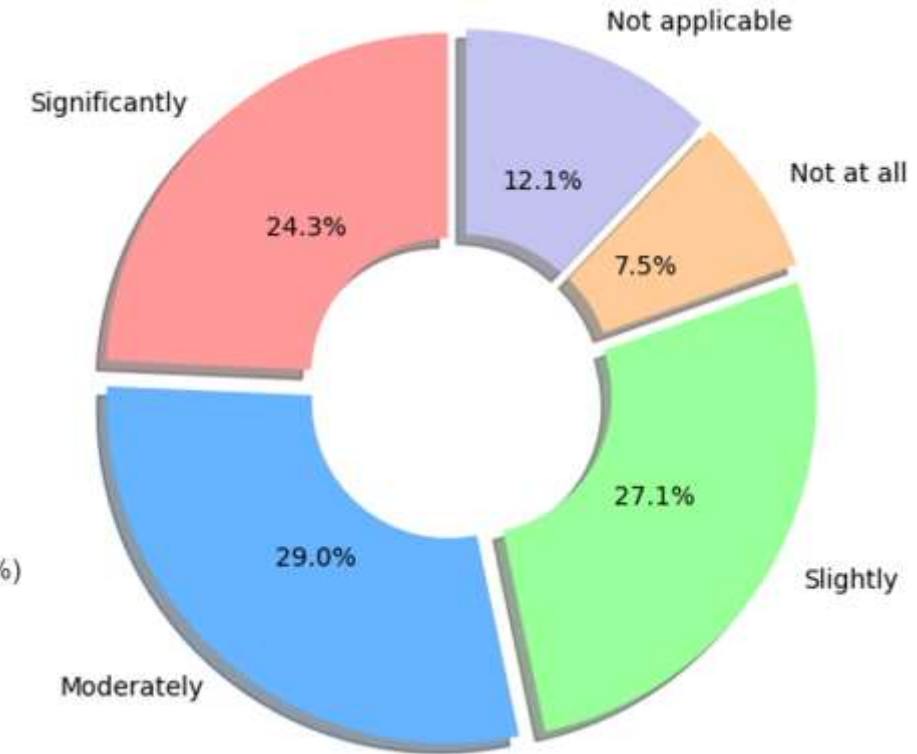
OS Incentives



Main Challenges to OS



Collaboration Challenges



OS Strengthening Research Collaboration

OS Benefits

- Visibility and collaborations
- More research & discoveries
- Easy access to reusable and shared data
- higher dissemination of findings
- Openness regarding the research process and its results
- Development of societal solutions
- Knowledge sharing without barriers
- Solving problems together
- Improvement of innovations
- Increase local capacity for research, increased innovation
- Faster implementation of Scientific findings
- Prevent duplication, enhance knowledge
- Increase collaboration and innovation
- Facilitate collaborative research
- open up opportunities especially for African researchers.
- Increased integrity among scientists
- More global orientation
- increased publications and researcher visibility
- Promote ethics in science
- Improve Reuse and sharing of resources

Thank you!

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