

# Towards a continental Open Science Vision

## Making African Research Information & Data Accessible



# THE AFRICAN OPEN SCIENCE PLATFORM



National  
Research  
Foundation

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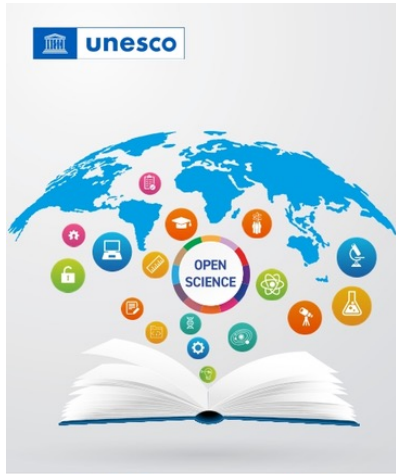


science & innovation

Department:  
Science and Innovation  
REPUBLIC OF SOUTH AFRICA

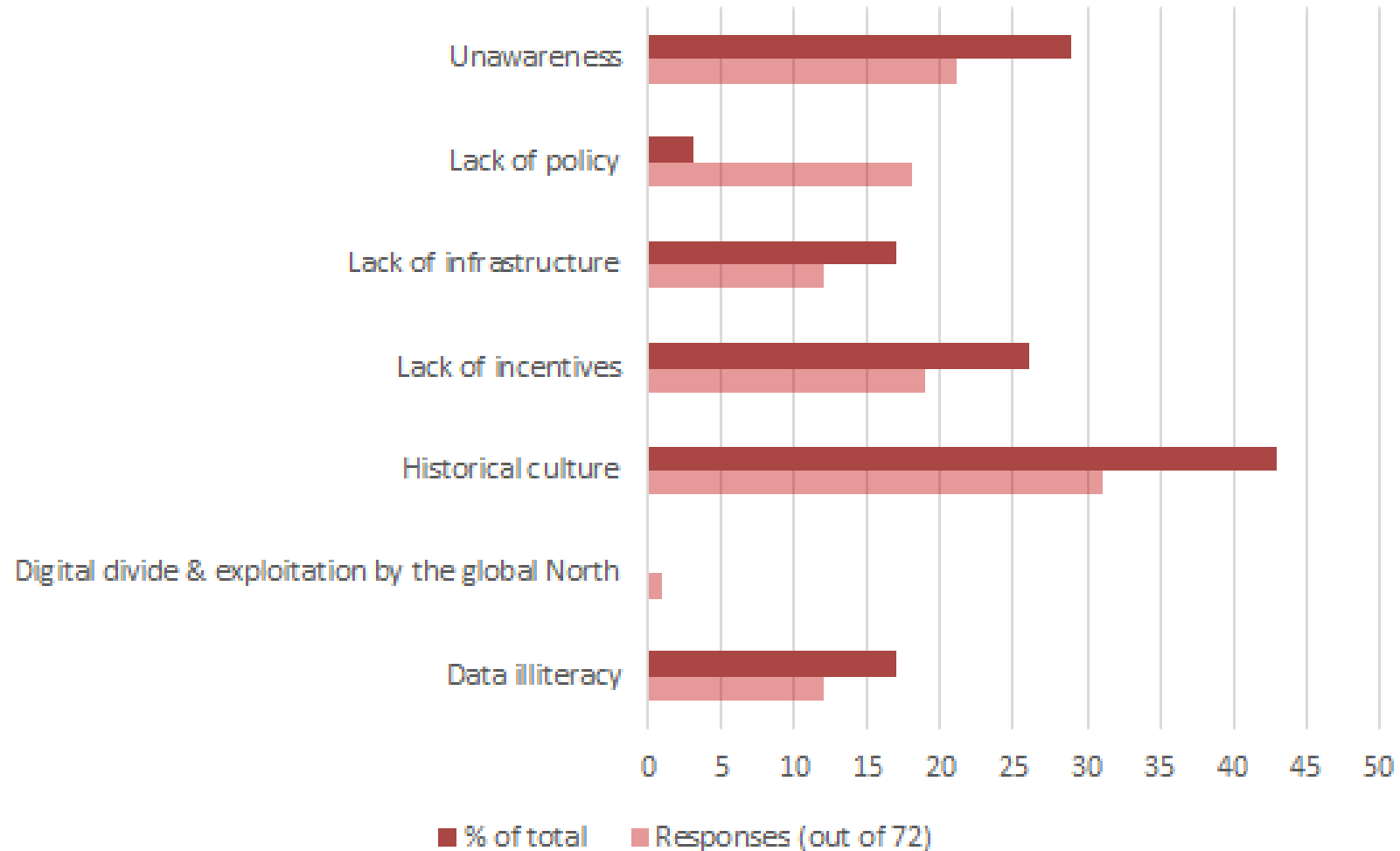
Global Research Council Annual Meeting 2024 :  
SSA Regional Meeting Side Event

# Barriers to Open Science practices in Africa



UNESCO Recommendation on Open Science

Source: UNESCO



Source [https://aosp.org.za/wp-content/uploads/2022/05/aosplandscape-12aug2019\\_compressed.pdf](https://aosp.org.za/wp-content/uploads/2022/05/aosplandscape-12aug2019_compressed.pdf)

# The African Open Science Platform(AOSP)



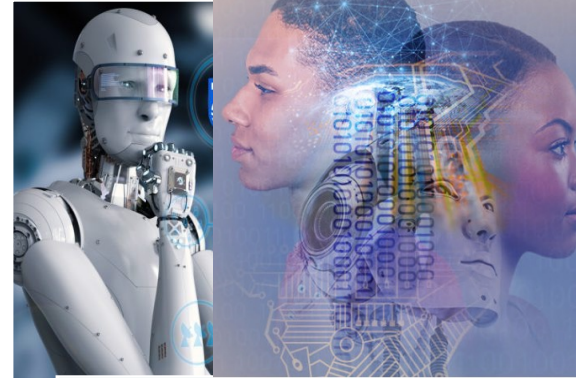
## Open science resources:

- Outreach and Engagement
- Education and capacity development



## Data-intensive science outcomes:

- African & Global Challenge Projects



## Cutting-edge support:

- Data Science & AI Institute



## Essential Infrastructure:

- Cloud Computing
- Data Management Tools

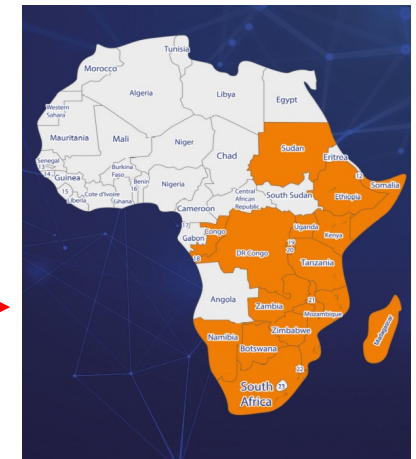
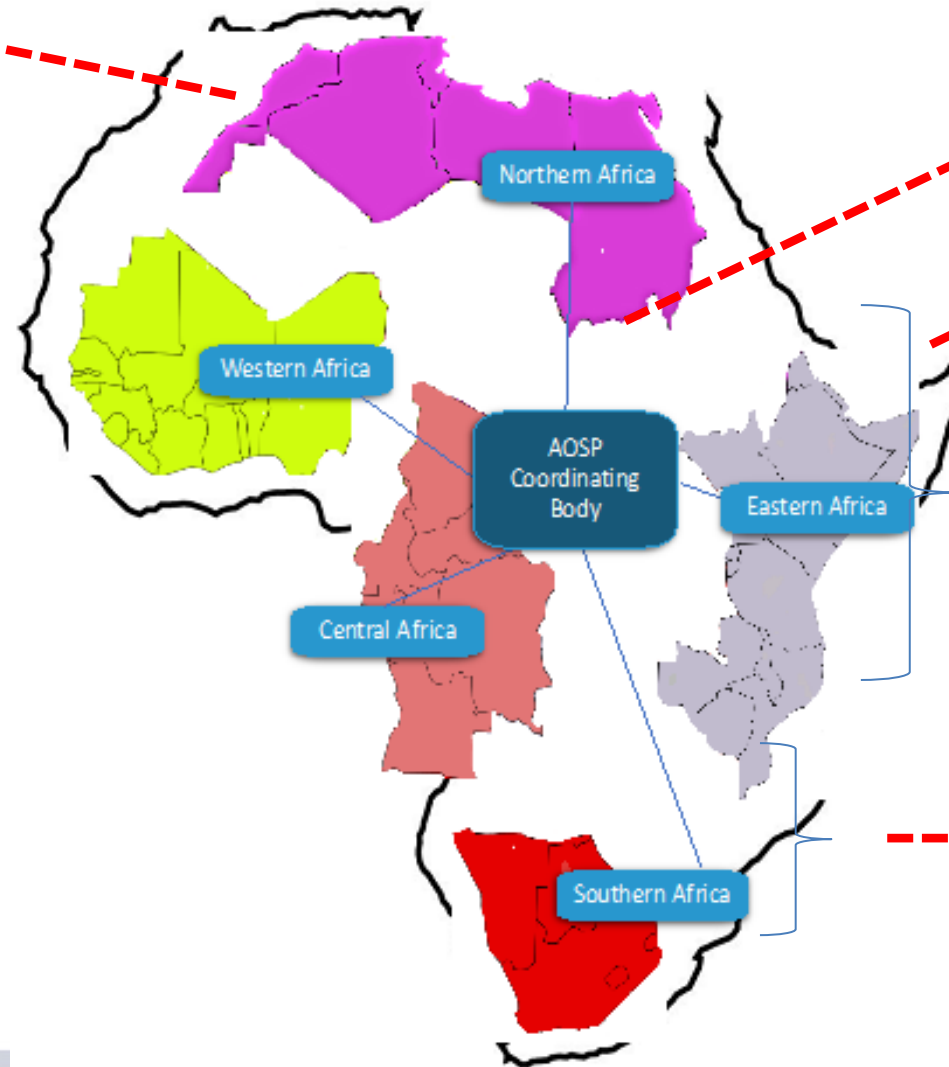
**Convene and coordinate the interests, ideas, people, institutions and resources for Open Science in and for Africa**



# AOSP Operational Model



National Authority for Remote Sensing & Space Sciences: EGYPT



- ✓ Programme delivery and implementation
- ✓ Coordination
- ✓ Policy
- ✓ Resource Mobilisation
- ✓ Education and skills programmes
- ✓ Societal engagement and dialogue

# AOSP OS Policy Tracker

- Country
- Policy Instrument (Policy, Roadmap etc)
- Lead Ministry
- Policy Development process/Methodology
- Policy Pillars
  - IP, Open Access, Open/FAIR Data, Education & Awareness, Rewards & Incentives, Infrastructure, Citizen Science, Advocacy, Resourcing
- Accompanying Instruments (Strategy, Implementation plan etc.)
- Notable Initiatives
- Related Policies

## National Open Science Policy Development

■ Draft ■ Adopted ■ inProgress



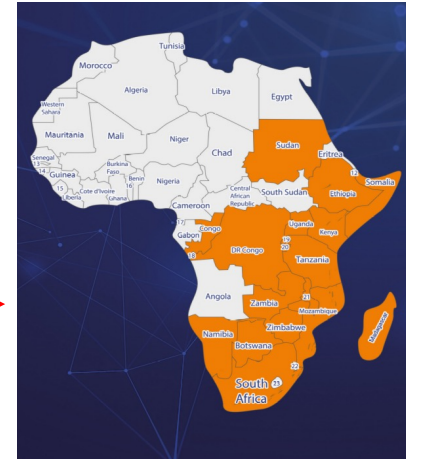
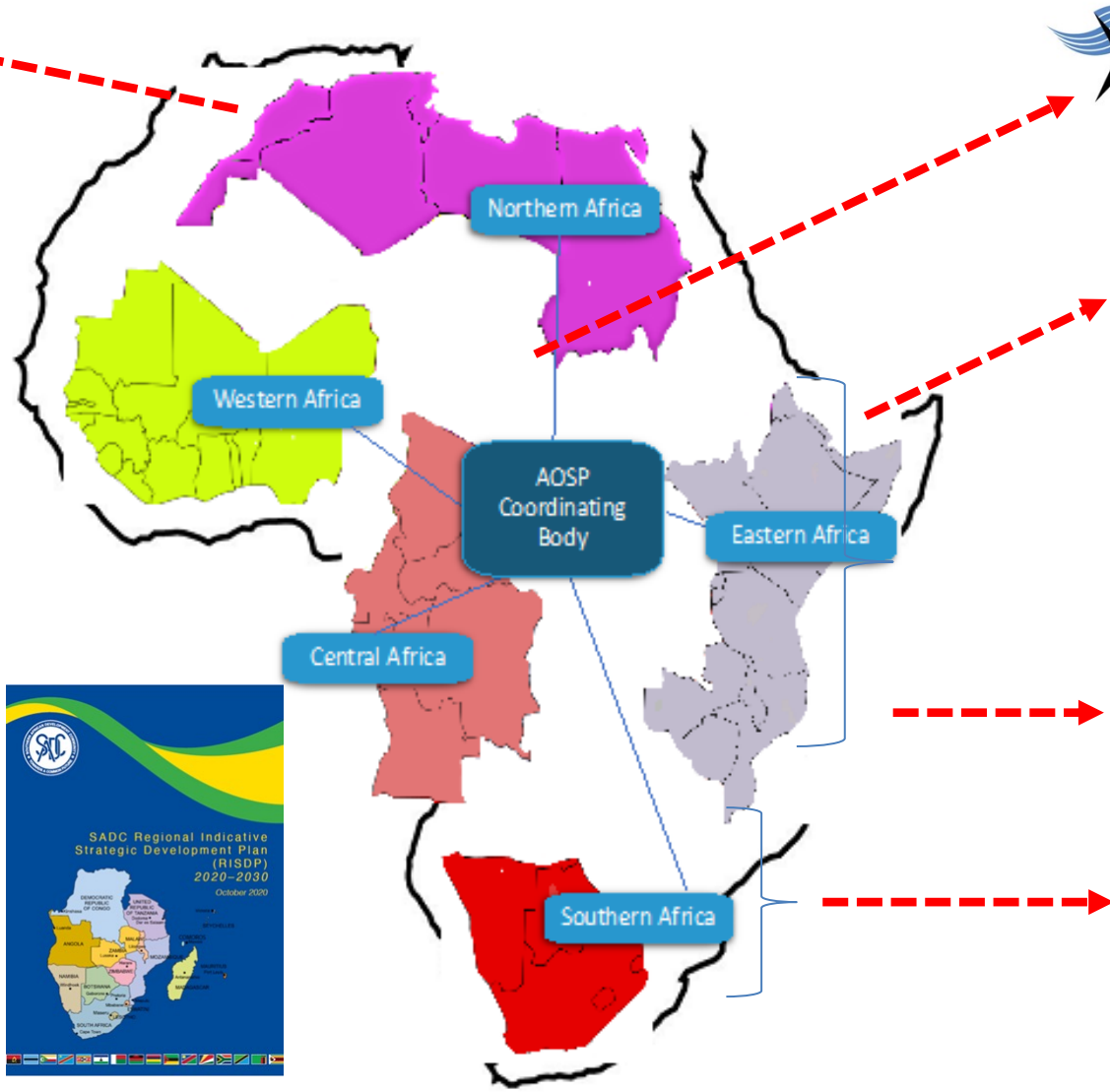
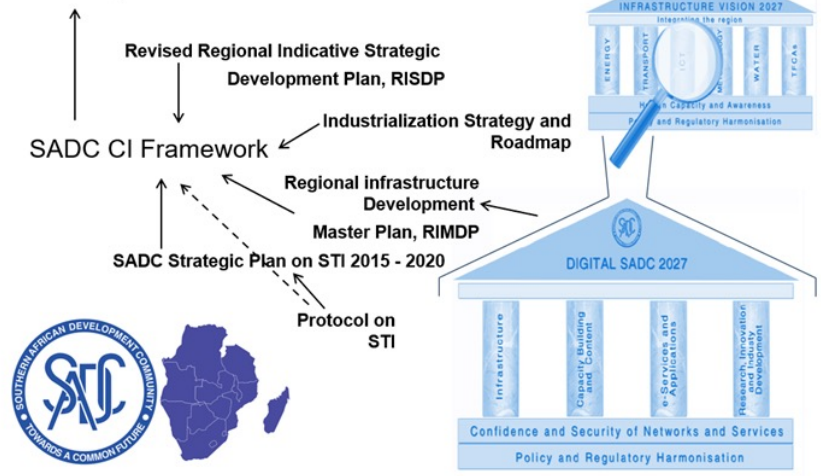
# AOSP and Regional Policy Alignment



National Authority for Remote Sensing & Space Sciences: EGYPT



African Open Science Platform



# AI and Data in Health

Southern African Dialogue

## Date

28 – 29 June

## Venue

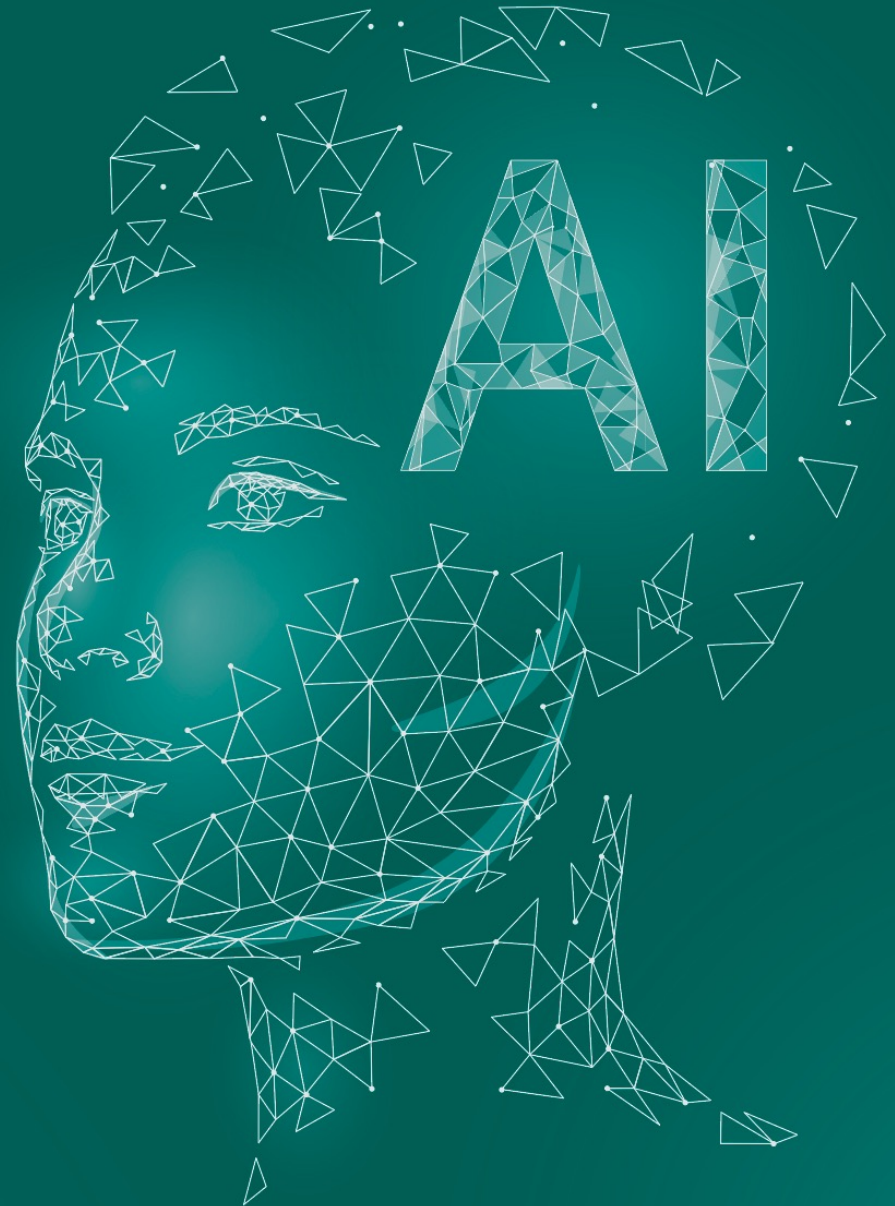
NRF, Pretoria (Albert Luthuli Auditorium)



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SCAN ME



# Strategic Projects (Summary)

## 1. Science programmes

- ✓ eLwazi Open Data Science Platform and Coordinating Center (NIH Data Science in Africa (DSI-Africa) – Genomics, DSI-Africa Network , H3Africa
- ✓ Focus on Africa Space Science and Technology for Future development (FAST4Future) Project (EU ERASMUS+) : The Pan African Planetary and Space Science Network - PAPSSN

## 2. Infrastructure Support for Open Science

- ✓ **Ubuntunet Alliance, SA NICIS, Morocco UM6P**

## 3. AI and Data Science Institute

- ✓ To support internationally competitive research capacity in data analytics and artificial intelligence in support of platform science priorities.
- ✓ Leverage African AI Network and Capacity Partners

## 4. Reforming Scientific Publishing (ISC and Stakeholders)

- ✓ cOAlition S, Research Europe, African Journals Online, Annual Reviews, the Chinese Academy of Science, Gates Foundation, Global Diamond Open Access Summit, CWTS Leiden,

# UNESCO School on Digital Libraries Africa -FEB 2025 (CERN & UNESCO)



THE AFRICAN  
OPEN SCIENCE  
PLATFORM



United Nations  
Educational, Scientific and  
Cultural Organization

## CERN-UNESCO School on Digital libraries

# Building Networks of Open Science Dialogue



**Call for abstracts: Open 01 April – 30 June 2024**

The third edition of the Open Science in the South “African publishing we want” conference, will be held in **Cape Town**, with the Global Open Access Summit 2024, will focus on the theme of African scientific publishing.



# Science Granting Council Initiative – Open Science Activities

17 Countries in East, West and Southern Africa



- Central to funding and catalysing a national system of innovation
- Management of research collaboration for impact and development by the SGCI participating councils
- Responsive impact oriented multilateral funding
- Institutional capacitation
- **Leveraging Funding on the Open Access Platform with SGCI/IDRC related output + Ubuntunet alliance**



■ Participating Countries  
 ■ Interested Countries





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# Thank You!



# Leverage existing and new initiatives and partnerships

## Science Granting Council Initiative - SSA



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