Overcoming obstacles in Open Science policy developments Through Strategic Partnerships in Africa
01. Open Science Drivers

02. Case studies:
   - Regional
   - National
   - Institutional

03. Policy Development process methodology

04. Barriers and Challenges

05. Practical Policy Implementation Considerations
Regional Open Science Drivers

- ECOWAS Policy on Science and Technology
- East African Regional STI Policy
Partnerships influencing Regional Open Science Drivers
Open Science Dialogues

Policy Development Process Methodology

- Developing an Enabling policy environment
- Investing in human resources
- Promoting cooperation
- Promoting innovative approaches
- Fostering a culture of Open Science
- Promoting a common understanding
- Investing in infrastructures and services

Open Science

Areas of Action
Target Stakeholders

> Ministries and directorates responsible for STI
> Higher education/university commissions
> National research councils
> Funders
> Representative(s) from National Consortium (Library consortia)
Institutional leaders
Why Open Science Dialogues

- Open Science presents a compelling case for transformational science, efficiency and higher return on investment of public research funding.

- There is urgent need for Policy frameworks, national guidance to address policy development gaps.

- The UNESCO Recommendation on Open Science we now have an internationally agreed definition, as well as a set of shared values and guiding principles for open science.

- It also identifies a set of actions conducive to a fair and equitable operationalization of open science for all at the individual, institutional, national, regional and international levels.

- For this to be effectively achieved, continuous **Capacity Strengthening** needs to be done, both at institutional, national and regional level through strategic multi-stakeholder engagement.
Case Studies - Regional Institutional Dialogues

Open Science Policies and Mandates in African HEIS Workshop
26th-27th Oct
9am to 2pm
UTC, Egypt

Inviting Middle East & North Africa Vice Chancellors, Rectors, Deputy Vice Chancellors, Directors of Research and Library Services

Open Science Policies and Mandates in African HEIS Workshop
14-15th July
9am to 2pm
EAT, Tanzania

Inviting East & Central African Vice Chancellors, Rectors, Deputy Vice Chancellors, Directors of Research and Library Services

Regional Open Science Dialogue in Southern Africa
25-26 April
9am-2pm

Actionable Next Steps on Implementation for Higher Education Institutes & Stakeholders

Inviting Southern Africa Vice Chancellors, Rectors, Deputy Vice Chancellors, Directors of Research and Library Services
Case Studies—National Dialogues

High Level Multi-Sectoral National Open Science Dialogue for Academic and Research Institutions in Tanzania

15th February 2023
9 am-3 pm EAT

KENYA NATIONAL OPEN SCIENCE DIALOGUE

20 September 10 AM EAT, Nairobi

Inviting East & Central African Vice Chancellors, Rectors, Deputy Vice Chancellors, Directors of Research and Library Services
Barriers and Challenges

- Leadership
- Infrastructure
- Rewards and Incentives
- Research Integrity (ethical issues)
- Legal (including IP)
- Ethical Issues
Practical Policy Implementation Considerations

- National/Regional Open Science Policy Dialogues should be multisectoral.
- Innovative rewards and incentives schemes (government Vs Institute).
- Cohesive conversation among HEIs Stakeholders on Open Science.
- Develop or adopt the best and reliable Open source infrastructures (platforms, repositories etc.) which are cost effective.