



What actionable steps to make to implement a National Open Science Policy in Tanzania?

Infrastructure;

More well-equipped Telecenters to share synthesized data are needed especially in rural areas not only that of Sengerema, but that will also support the community, Internet connectivity, and bandwidth needs to be improved

Research dissemination framework.

COSTECH should spearhead the collaborative process of development of the National Open Science policy that will guide research dissemination, raw data sharing, open science incentivization, and all other policy issues to promote Open Science.

Open Access

1. COSTECH needs to harmonize all open access publishing policies and if possible to have a national open access policy that will be guiding all kinds related to open access publishing from individual to national level.
2. Incentives to those who publish on OA are likely to boost the number of OA publishers in the country. ***The 50 Million provided to those who are in the Natural Science field when they publish in reputable journals has demoralized those in the social science who also do well in publishing, must include Open Science outputs, Clinical trials, industrial research*** (define the research outputs as per the interest of the nation beyond the traditional publications)

Role of COSTECH vs Institutions

Contribution to the national repository.

1. Create a central repository for each of the institutes at a national level (NMRI, TARI, TAFIRI, TIRDO)
2. COSTECH should upgrade the repository to enable real-time receipt of data changes from all institutions.
3. Adequate personnel and capacity building of the personnel to handle real-time data transmitted.
4. Each institute should identify a focal person who will handle the repository and share the information with COSTECH
5. Should consider automation of the repository processes.
6. Engagement of more competitive knowledge-seeking and effective ethical principles.



7. COSTECH needs to have a very strong national plagiarism checker for protecting copyright issues of scholars who are contributing towards open science initiatives in Tanzania. Increased awareness of Copyright laws, especially the Creative Commons, an activity that should be done by COTUL and COSTECH

National policy on unsynthesized data sharing

1. Responsible bodies like the Ministry of Education, Science and Technology, TCU, NACTVET, and COSTECH need to have a common policy on OS and guidelines on how to implement it, all institutions under them could follow these guidelines.
2. Involvement of all stakeholders concerned.
3. Attitudinal change in embracing innovation
4. Good management process with integration of seamless cultural and religious practices.
5. Ensuring trust, accountability, and responsibilities among superiors and subordinates in our institutions.
6. Promoting enabling environment and encouraging one another.
7. Integration open Science and data sharing as a course of study in our educational institutions
8. Fascinating monitoring and evaluation of the activities
9. Continuous awareness and collaboration
10. Establish a feedback mechanism for proper planning and decision -making.
11. Promote cooperation