

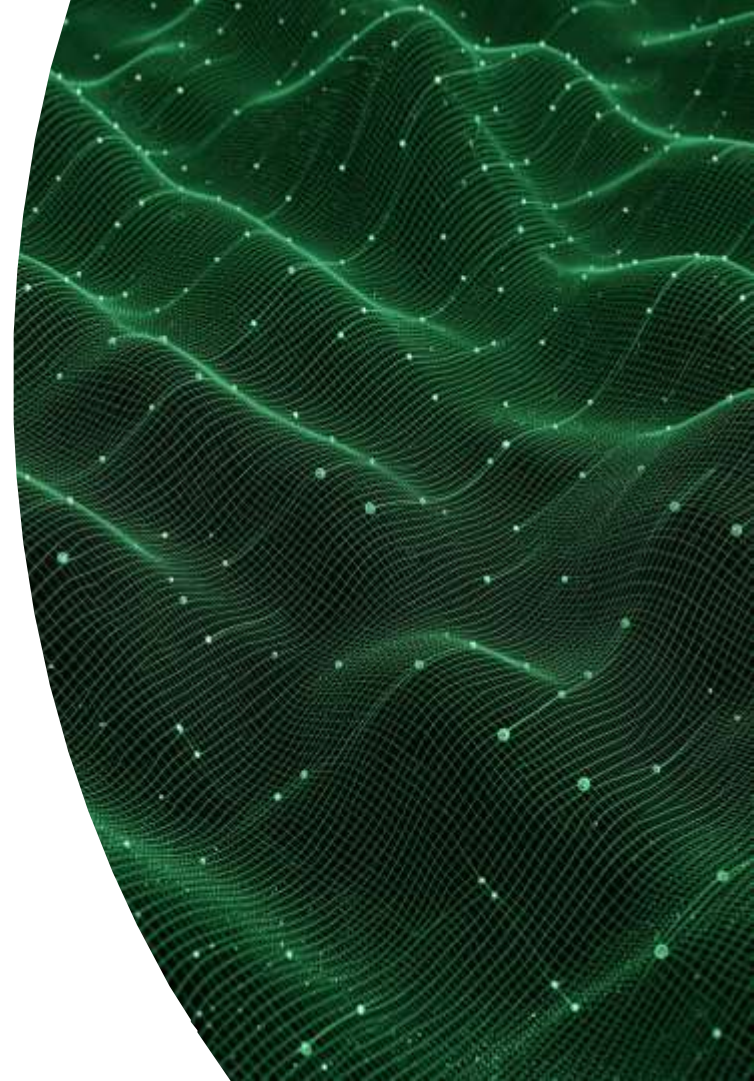
Open Science, Awareness and Adoption in Health and Medical Education: The Journey so far in FUHSI

Presented by:

Mrs. B.O Asubiojo CLN, FNLA

University Librarian, FUHSI

Federal University of Health Sciences, Ila-Orangun



What is Open Science?

Open Science is an approach to research that promotes **openness, transparency, accessibility, inclusivity and reproducibility** across the research lifecycle.

It goes beyond simply publishing articles as Open Access.

- ❏ Open Science seeks to make scientific knowledge more accessible, transparent, reproducible and reusable.

It can include:

- Open Access publications
- Open research data
- Open educational resources
- Open-source software and tools
- Open methodologies
- Preprints
- Open peer review
- Citizen/community participation in research



Why Open Science Matters in Health Sciences

- Health research ultimately exists to **improve human health and wellbeing**.
- Much health research is publicly funded and should therefore reach the public and professionals who need it.
- Openness can reduce duplication of research and facilitate interdisciplinary collaboration.
- It helps researchers in resource-constrained environments access the global knowledge base.

Open research accelerates:

Knowledge Sharing

Collaboration

Discovery & Innovation

Evidence-Based Healthcare

Reproducibility

Research Visibility & Impact



If research is not accessible, its potential impact is limited.



What FUHSI LIBRARY is doing to Support Open Science

The FUHSI Library is becoming an active partner in the research lifecycle.
Though young, the library is actively involved in Open Science.

Our support includes:

- Provision of information resources
- Research information literacy training
- Literature searching and evidence discovery
- Open Access awareness and advocacy
- Reference management and citation support
- Research visibility and impact education
- Support for research profiles and researcher identity
- Guidance on scholarly publishing
- Promotion of institutional research outputs
- Support for Open Educational Resources
- Collaboration with Open Science Initiatives e.g LIBSENSE

□ **The modern academic library is no longer just a place for accessing information—it is a partner in creating, managing, sharing and preserving knowledge.**



FUHSI Library and Open Science Capacity Building

Building an Open Science culture

Sensitise

Drive Open Science activities in partnership with LIBSENSE



Embed

Integrate practices across units and networks



Train

Workshops on responsible research and commons

The Library is supporting capacity development through Open Science sensitisation programmes, researcher training and workshops, ORCID/PID awareness activities, information literacy programmes, responsible research and scholarly communication training, guidance on Open Access, support for students and early-career researchers, collaboration with university researchers and academic units, engagement with national and international Open Science initiatives, and promotion of responsible research practices.

 **Our goal:** Move Open Science from a concept people have heard about to a practice embedded in everyday research.



Why Health Scientists Must Embrace Open Science

For the Researchers

- Increase research visibility
- Reach wider audiences
- Facilitate collaboration
- Increase opportunities for citation
- Attract research partnerships
- Improve reproducibility
- Enhance professional reputation
- Discover collaborators and datasets
- Accelerate scientific discovery
- Increase the potential societal impact of research
- Attract grants

For the Institution

- Helps with the webometrics ranking of the university.
- Stronger research profile
- Greater global visibility
- More collaboration opportunities
- Better dissemination of institutional knowledge
- Stronger research culture
- Greater public engagement



What Can Every FUHSI Researcher Do?

Start small, but work smart. Make openness part of your research workflow.

1

Before Research

- Use open literature and evidence sources.
- Get an Identifier e.g ORCID
- Identify appropriate data-management practices e.g identify appropriate storage system for your data to prevent data loss.

2

During Research

- Document your methods carefully.
- Use responsible and reproducible research practices.
- Where appropriate, consider sharing data/code/materials for transparency, openness and integrity.

3

After Research

- Publish through appropriate Open Access routes where feasible.
- Deposit permitted versions of publications in repositories.
- Maintain an accurate ORCID/research profile.
- Share research findings beyond the journal article.
- Make educational and research materials reusable where appropriate.



Conclusion

Open Science is not simply about opening publications. It is about opening the entire research ecosystem to greater visibility, collaboration, transparency and impact.

Open does not mean careless. Open Science must always respect ethics, privacy, confidentiality, intellectual property and research integrity.

The Library is ready to support this journey.



A red speech bubble graphic with a pointed tail at the bottom left. The text "THANKS FOR LISTENING" is written in white, bold, uppercase letters inside the bubble. A faint "dreamstime" watermark is visible behind the text.

**THANKS FOR
LISTENING**