



## Datacite & Open Scholarship Cadres for Uganda

# **Workshop @ Busitema University**

Librarians, Researchers, & ICT Professionals

Monday 27<sup>th</sup> – Friday 31<sup>st</sup> May 2024

Dr. Fredrick Kiwuwa Lugya

**Project PI & UNIVERSITY LIBRARIAN**

## BACKGROUND TO THE WORKSHOP

**Project Title:** Building a cohort of open scholarship trainers to boost adoption of DataCite open infrastructure services among the Consortium of Uganda University Libraries

**Project Type:** Outreach Activities

**Funder:** DataCite – under Global Access Fund (GAF) & Busitema University

**Project PI:** Dr. Fredrick Kiwuwa Lugya

**Beneficiaries:** 35 Participants (librarians, ICT professionals, and research administrators) selected among CUUL membership

**Project Components:** Curriculum, Training ToolKit, ToT Workshop

**Project Outcome:** DOSCU participants will exhibit mastery skills to plan, prepare and deliver training on how to make research outputs open and discoverable using open infrastructure and services.

## WORKSHOP OBJECTIVES

By the end of the DOSCU workshop, the trainees should be able to:

- a) Communicate to their institutional administrators why libraries and their institutions cannot afford to ignore implementing institutional repositories to make their research outputs open;
- b) Explain how to go about using open infrastructure and services like Dspace and DataCite tools to make their research outputs open and discoverable;
- c) Understand how to teach and train librarians, ICT professionals, and research administrators to implement DataCite research discovery and exploration tools and services like DOIs, metadata, APIs in their institutional repositories;
- d) Become confident and have the knowledge to deal with difficult questions about making research outputs open and discoverable;

## WORKSHOP OBJECTIVES

By the end of the DOSCU workshop, the trainees should be able to:

- e) Be able to plan institutional repository and DataCite training activities and be aware of the best practices in training design for online, face-to-face and hybrid events;
- f) Understand how to work with diverse audiences especially institutional administrators to attract funding towards DataCite activities;
- g) Know how to evaluate the impact of the training and implementing institutional repositories and DataCite open infrastructure and services.

## Main Topics Outline

### Module 1: Introduction to Open Access

- a) Scholarly Communication Process
- b) Open Access: History and Developments
- c) Rights and Licenses
- d) Advocacy for Open Access
- e) Open Access Research Impacts

### Module 2: Open Access Infrastructure

- a) Open Access Repositories
- b) Open Journals
- c) More About Open Approaches

## Main Topics Outline

### Module 3: Interoperability and Retrieval

- a) Resource Description for OA Resources
- b) Interoperability Issues for Open Access
- c) Retrieval of Information for OA Resources

Module 5: DataCite Open Infrastructure

Module 6: Training and Train-the-Trainer

### Module 4: Resource Optimization

- a) Resource Description for OA Resources;
- b) Interoperability Issues for OA;
- c) Retrieval of Information for OA Resources

# TRAINING OUTCOMES

## Module 1: Introduction to Open Access

By the end of the training, participants will understand:

- a. Define scholarly communication and open access, and promote and differentiate between the various forms of Open Access;
- b. Explain issues related to rights management, incl. copyright, copy-left, authors' rights and related intellectual property rights;
- c. Demonstrate the impact of Open Access within a scholarly communication environment.

### Topics/ Units

- a. Scholarly Communication Process
- b. Open Access: History and Developments
- c. Rights and Licenses
- d. Advocacy for Open Access
- e. Open Access Research Impacts

# TRAINING OUTCOMES

## Module 2: Open Access Infrastructure

By the end of the training, participants will understand:

- a. open access resources of all types,
- b. their definition, nature, features, planning, and executing,
- c. choosing appropriate technical standards and following set procedures and
- d. later maintenance for all parties involved i.e. host, sponsors, users and prospective content creators.

### Topics/ Units

- a. Open Access Repositories
- b. Open Journals
- c. More About Open Approaches

# TRAINING OUTCOMES

## Module 3: Resource Optimization

By the end of the training, participants will understand:

- a. To foster an enabling environment for Open Access, and facilitate collection development by integrating library services.
- b. how the open access environment can be promoted and how the collection development may be facilitated by integrating open access resources with institutional and library resources.

### Topics/ Units

- a. Deals with OA mandates and policies;
- b. Focuses on OA content management;
- c. Harvesting and integration

# TRAINING OUTCOMES

## Module 4: Interoperability and Retrieval

By the end of the training, participants will understand:

- a. interoperability issues,
- b. perpetual access,
- c. importance of standards, and
- d. the integration of different products in building institutional repositories and also various retrieval features that is available which can be considered for development of IR system for open access resources

### Topics/ Units

- a. Resource Description for OA Resources;
- b. Interoperability Issues for OA;
- c. Retrieval of Information for OA Resources

# TRAINING OUTCOMES – DAY 1

By the end of the training, participants will understand:

## Session 1: Scholarly Communication Process

- a. Describe the historical evolution of scholarly communication process
- b. Explain the lifecycle of research in socio economic context
- c. Understand the roles of different stakeholders, specially the role of librarians

### *Lunch*

## Session 2: Open access: History and development

- a. Define and explain OA from the perspective of its historical developments;
- b. Distinguish between Green and Gold OA, and also understand emerging approaches to OA;
- c. Explain the OA advantages, and argue for promoting OA to scientific information;
- d. Identify business models for promoting OA; and
- e. Understand long-term digital preservation models available to OA knowledge resources

## TRAINING OUTCOMES - DAY 2

### Session 3: Rights and Licenses

- a. Understand the legal basis of copyrights and intellectual property;
- b. Explain the meaning of rights and restrictions associated with copyright;
- c. Understand the bases of open licensing;
- d. Analyse the different types of Creative Commons licensing; and
- e. Identify different support services available to understand adoption of OA

***Break***

### Session 4: Advocacy for Open Access

- a. Identify key advocacy organizations and their initiatives to promote open access to various stakeholders;
- b. Identify key stakeholders to promote Open Access, and identify their needs; and
- c. Prepare appropriate advocacy campaign and training programmes for the stakeholders

***Lunch***

# TRAINING OUTCOMES - DAY 2

## *Lunch*

### Session 5: Open Access Research Impacts

- a. Describe the process of evaluation of research in national and international contexts
- b. Identify the tools used for evaluation of research
- c. Explain the advantages and disadvantages of different evaluation metrics
- d. Use emerging evaluation metrics to explain OA research impact

## TRAINING OUTCOMES - DAY 3

### Session 6: Open Access Repositories

- a. Explain the concept of repositories;
- b. Identify the types of OA repositories;
- c. List Open Source repository software;
- d. Compare the features of some open source repository software;

### ***Break***

- a. Carryout needs analysis for OA repository and list the features of OA repository software;
- b. Prepare a business plan for deployment of repository software; and
- c. Take appropriate steps to install and manage repositories

# TRAINING OUTCOMES - DAY 3

## *Lunch*

### Session 7: Open Journals

- a. Explain the concept of open access journals;
- b. Identify the types of OA journals;
- c. List different types of software available for hosting open journal system;
- d. List the criteria for choosing open journal system;
- e. Carryout needs analysis for OA journal and prepare a business plan for deployment of appropriate software; and
- f. Take appropriate steps to install and manage OA Journal system

## TRAINING OUTCOMES - DAY 4

### Session 8: More About Open Approaches

- a. Explain terms related to open access and openness in education and research

***Break***

### Session 9: OA Mandates and Policies

- a. Explore the importance of OA mandate and policies
- b. Identify sources of OA mandates and policies
- c. Analyze the features of some of the important OA policies in use
- d. Frame draft OA policies for your institution

***Lunch***

# TRAINING OUTCOMES - DAY 4

## *Lunch*

### **Session 10: Content Management in OA Context**

- a. Describe the scope and importance of content management in OA;
- b. Identify the functional components related to content management in OA context;
- c. Critically examine the processes of content management in Green OA and Gold OA environment;
- d. Explain principles of sustainable development of OA system; and
- e. Apply cutting edge technologies in OA content management

# TRAINING OUTCOMES - DAY 5

## Session 11: Resource Description for OA Resources

- a. Define metadata;
- b. Identify and describe the elements of some important metadata description formats;
- c. Understand policies related to metadata applications;
- d. Critically examine the scopes of generic and domain-specific metadata schemas for organizing OA resources;
- e. Explain the roles of models, crosswalks and interoperability standards in metadata applications including the scope of emerging initiatives in OA metadata landscape;
- f. Explore the software-level application of metadata in organizing OA resources.

***Break***

# TRAINING OUTCOMES - DAY 5

## *Break*

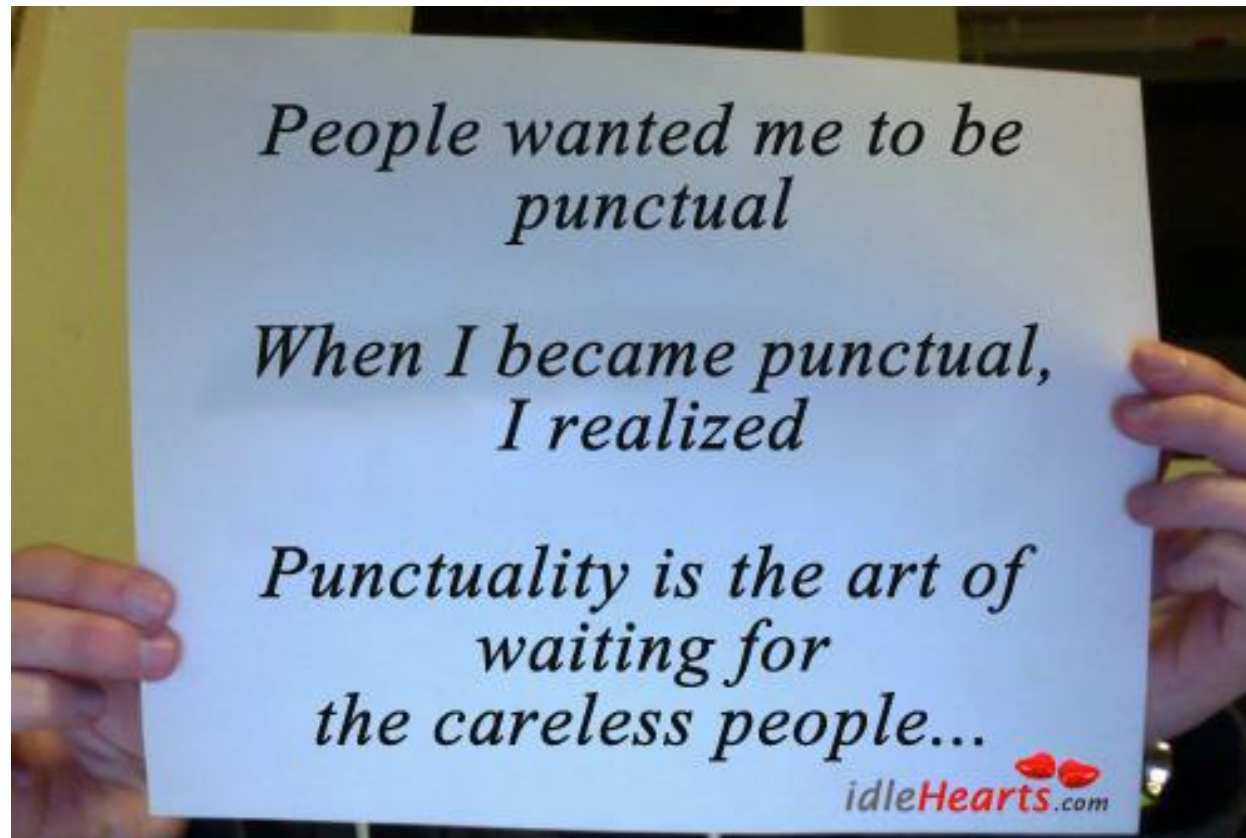
### Session 12: Interoperability Issues for Open Access

- a. Define Assess the need of interoperability in developing open access infrastructure at global scale;
- b. Understand different areas of interoperability and related interoperability standards;
- c. Critically examine the technical issues and initiatives related to achieving interoperability;
- d. Apply metadata harvesting software to develop single-window search interface; and
- e. Realize the trends and future course of development in interoperability

### Session 12: DataCite Open Infrastructure

Mr Bosun Obileye (Datacite Specialist) - Regional Community Engagement

## TRAINING AGREEMENTS n.1/4



On time is the right time

## TRAINING AGREEMENTS n.2/4

# Switch!

Brain  
ON

Phone  
OFF



## TRAINING AGREEMENTS n.3/4



**Google it ... and enjoy the ride !**

## TRAINING AGREEMENTS n.4/4

Keep  
**silent**  
during  
video  
plays



Sorry, no popcorn 😊

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