



A Multi-Faceted Multi-Stakeholder Approach for Increased Visibility of ETDs in Zambia

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Motivation

The university of Zambia has had a functional Institutional Repository since 2012, with a significant uptake of Electronic Theses and Dissertations (ETDs).

Problem

- There are noticeably large time gaps between submission and eventual ingestion of ETDs
- Ingestion of ETDs is not timely
- ETDs are associated with incorrect descriptive metadata
- ETDs have missing descriptive metadata

Observations

- Submission and ingestion of ETDs involves numerous stakeholders
- Ingestion of ETDs into IR is time consuming
- Potential self-archiving workflows not exploited
- ETDs exhibit common characteristics

Proposed Approach

- Explore the use of effective workflows using a multi-stakeholder approach
- Experiment with machine learning techniques to automatically classify repository objects

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Evaluation of research education networks

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<dc:creator>Mwiinga, Jervas</dc:creator>

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High performance computing--Zambia

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Research education networks--Zambia

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THESIS M.ENG

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01

Effective Workflows

- Understand current ETD submission workflows
- Identify potentially effective ETD submission workflows

02

Multiple Stakeholders

- Understand current stakeholder workflows
- Identify key stakeholders
- Involve stakeholders in submission workflows

03

Automatic Classification

- Identify appropriate features
- Implement classification models
- Build third-party tools and/or plugins

National ETD Portal: <http://lis.unza.zm/portal> | Datasets: <http://lis.unza.zm/~lightonphiri/projects.html>

Multiple Stakeholders

Effective Workflows

Automatic Classification

