



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

Lighton Phiri | University of Zambia

## 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

<oai\_dc:dc>

<dc:title>

Evaluation of research education networks

</dc:title>

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

<dc:subject>

High performance computing--Zambia

</dc:subject>

<dc:subject>

Research education networks--Zambia

</dc:subject>

<dc:description>

THESIS M.ENG

</dc:description>

<dc:description>

[...]

</dc:description>

<dc:date>2018-07-23T13:00:50Z</dc:date>

<dc:date>2018-07-23T13:00:50Z</dc:date>

<dc:date>2017</dc:date>

<dc:type>Thesis</dc:type>

[...]

<dc:format>application/pdf</dc:format>

<dc:publisher>

The University of Zambia

</dc:publisher>

</oai\_dc:dc>

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

