

Creating a Demonstrator National Open Repository for Nigeria

By

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Agenda

- Overview
- Challenges facing development of repositories in Nigeria
- Objectives
- Steps taken
- Steps to be taken
- Capacity building needs
- Summary

Overview

- Why a Demonstrator National Open Repository:
 - Map of Nigeria
 - Current Status of data exchange
 - What to expect



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Repositories in Nigeria

Directory of Open access Repositories (DOAR)

[http://v2.sherpa.ac.uk/view/repository by country/countries=5Fby=5Fregion.html](http://v2.sherpa.ac.uk/view/repository%20by%20country/countries=5Fby=5Fregion.html) Accessed March 9, 2019

Geographical Zone	World	Africa	West Africa	Nigeria	
Number	3980	183	31	22	
Per Centage	0.6%	12%	71%		

Registry of Open Access Repositories (ROAR) <http://roar.eprints.org/view/geoname/> Accessed March 9, 2019

Geographical Zone	World	Africa	West Africa	Nigeria	
Number	4042	152	20	13	
Per Centage	0.3%	8.6%	65%		

Relevant statistics about Nigeria

- National Population: **214.7 million**. See <https://www.prb.org/2018-world-population-data-sheet-with-focus-on-changing-age-structures/> Accessed March 9, 2019
- Universities: **170**. See <http://nuc.edu.ng> Accessed March 9, 2019
- Colleges of Education: **89**. See <http://ncceonline.edu.ng/colleges.php> Accessed March 9, 2019
- Polytechnics: **113**. See <http://www.nbte.gov.ng/institutions.html> Accessed March 9, 2019
- There are also Colleges of Agriculture, Monotechnics, and Colleges of Health Technology.

What to Expect ?

- A collaborative effort in developing open repositories
 - Researchers, librarians, NREN working together



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What to expect? (Contd.)

- Commitment to making resources – literature and data available to researchers in open platforms



What to expect? (Contd.)

- Provide easy access to learning resources throughout the nation and beyond



Current Status of Repositories in Nigeria

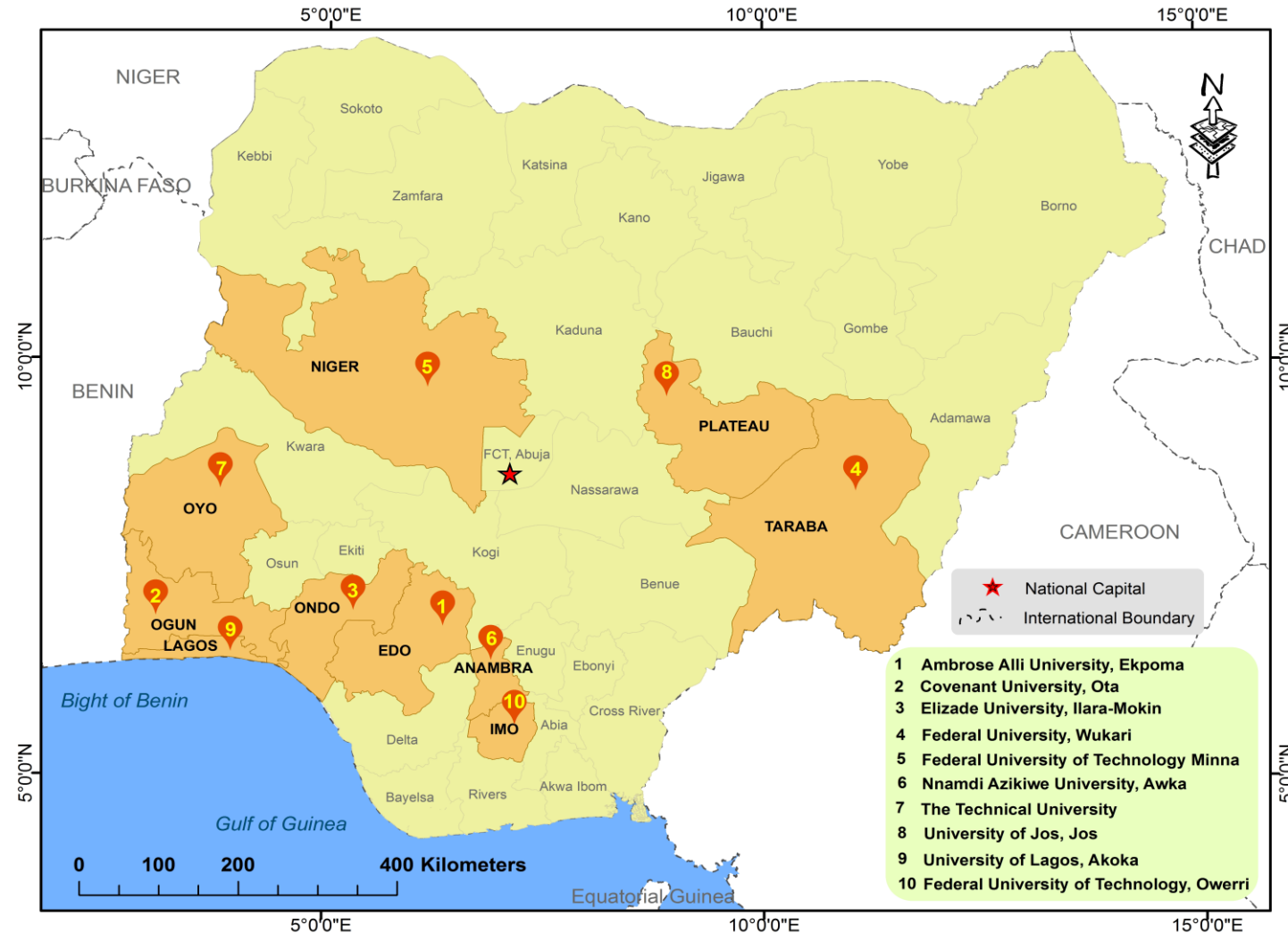
- Certain skills lacking: technical and advocacy
- Metadata standards not fully understood and applied
- Suspicious attitude of researchers towards submission of articles to open access repositories
- Poor recognition and support by institution administrators/managers
- Lack of guiding policies on various attributes
- No clear policies on content development and management
- Lack of co-operation among librarians (operating in silos)

Objectives

- Create a Demonstrator National Open Repository
 - Provide a federated platform for research and learning resources
 - Seek collaboration and assistance from partners on populating and sustainably maintaining the repository
 - Obtain and drive commitment from member institutions
 - Adopt strategy for promotion of open science and open data
 - Define and assign tasks for member institutions
 - Build human resources capacity for the repository

Steps taken so far

- National champions identified



Steps taken so far (Contd.)

- Joint meeting of Librarians and Technical Facilitators held
- Eko-Konnnect User Conference held at the University of Lagos, January 2019 . See <https://indico.wacren.net/event/75> with the Theme: “The Role of Library in Open Science and Open Access”
- Outcome: identified dip gaps in operation of repositories in the country *vis-a-vis* global practices

Steps taken so far (Contd.)

- Discussion Group created
 - Nigeria Coalition of Librarians for Open Research (NiCLOR) to engage in:
 - Advocacy about open access, open educational resources, open sciences, open data, and citizen science
 - Support for managing repositories
 - Face-to-face and remote training to build capacity and awareness of librarians to deliver
 - Collaboration with Eko-Konnect to create an independent repository that adheres to open paradigms
 - Participate fully in WACREN's LIBSENSE project

Steps to be taken

- Draw up and pursue a Stakeholder platform to help:
 - Drive youth and student participation in Open Access, Open Education, Open and Citizen Science and research
 - Conduct a comprehensive nationwide survey on student needs and best methods to improve student participation in open science, citizen science and research
 - Project the initiative through working with stakeholders at national and international levels on existing and prospective programmes, e.g. Upcoming 1st Open Access Conference in Nigeria
 - Build extensive capacity to ensure sustainability of the initiative.

Capacity building needs

- Human capital development
- Work-flow
- Standardisation of repositories in conformity with international standards
- Research and learning resources development
- Advocacy for use of open science and open access repositories
- Policy development for content development, administration, and interoperability

We are open to ideas

- Suggestions on way forward welcome
- Collaborators are welcome
- Data sharing ideas welcome

Summary

- Demonstrator National Open Repository critical for Nigeria's scientific and national development
- Librarians need to take advantage of open science and open data in providing efficient and effective services
- National strategy must be put in place to accomplish this
- Deliverables must be clearly outlined and assigned



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