Transforming Research Landscape in Africa using Open Access: The case of Ethiopia

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Outline

- Africa knowledge production
- True marginalization stories
- Ethiopia's approach to avoid marginalization
- National Open Access Policy
- Challenges and Lessons learned





Knowledge Production in Africa

"With a contribution of *less than 1 %* of the world's scientific publications, Sub-Saharan Africa belongs to the periphery."

(Piron et al.,2019)

Source

Piron, F., Nkoudou, T. H. M., Madiba, M. S. D., Alladatin, J., Achaffert, H. R., & Pierre, A. Toward African and Haitian Universities in Service to Sustainable Local Development: The Contribution of Fair Open Science. *CONTEXTUALIZING OPENNESS*, 311.





True story of marginalization

A story of a medical researcher from Makerere
 University whose article was rejected because of his affiliation.

Other cases of rejection

- ➤ Local problem
- **≻**Language



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Ethiopia's Approach to avoid marginalization

- Build local publishing platforms to mainstream our research.
 - **≻**Repositories
 - > Journal publishing platforms
- Capacity building for Repository managers, Journal editors and Researchers.
- Making open access the default for research publication using policy.
- Learn from others but contextualize.





National OA policy

- Intuitional OA Policy discussion started in Ethiopia In 2014 at Addis Ababa University with support of EIFL.
- National OA policy proposed by CEARL(Consortium of ETH Academic and Research Libraries) in 2017.







Adopted Intuitional OA policy

- Jimma University (2018)
- Adama University(2018)
- Arbaminch University(2018)
- Hawassa University (2019)



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Contextualized National Open Access Policy

- Officially adopted by Ministry of Science and Higher Education (MOSHE) in June 2019.
- Holistic approach addressing all areas policies, repositories, journals, researchers skills.
- Managed by local experts.
- funded by local money.





Key Requirements of the policy

- Open Access by Default for all public funded research outputs
 - > Thesis and Dissertations
 - > Journal articles
 - > Research Data
 - **>** Journals
- Researchers receiving public funding are required to prepare Data Management Plan (DMP) with FAIR principles.





Incentive

Encourage "Openness" as one of criteria during research during research assessment and evaluation.

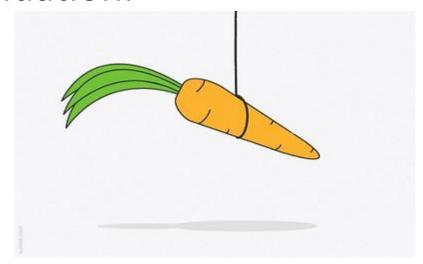


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Infrastructure

- Universities are required to implement and support Intuitional repositories.
- MOSHE supports national repository as aggregator for research publication and research data.



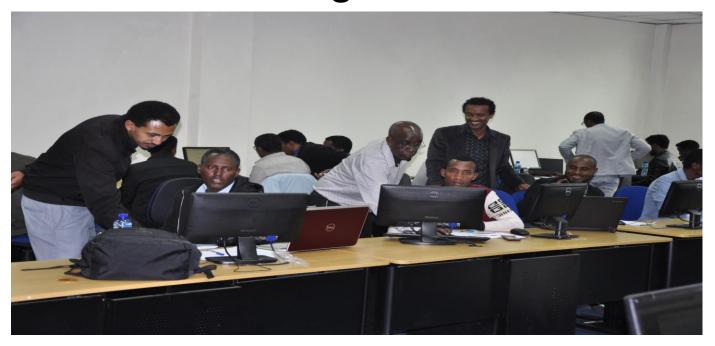






Support for researchers

 Universities have to ensure open science services and training for their researchers.







Policy implementation

- Model IR policy based on National Policy have been prepared and circulated to Universities for adoption.
- A national project on national repository and Journals launched in August 2019.





The National OA Project

- Implement Institutional repositories for all public Universities.
- Capacity building training for repository managers and Journal Editors.
- Supporting the National Academic digital repository of Ethiopia (NADRE).
- Strengthening the Ethiopian Journals Online (EJOL)platform.



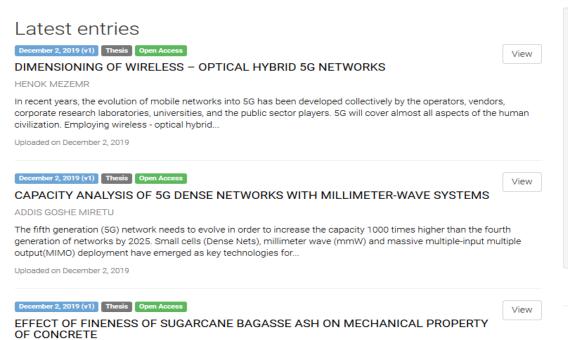


National Academic Digital Repository of Ethiopia (NADRE)



Search Q Upload Communities

https://nadre.ethernet.edu.et/





★) Log in

- Research. Shared. all research outputs from across all domains of Ethiopian research are welcome!
- Findable. Citeable. Discoverable. each upload gets a Digital Object Identifier (DOI) to make it easily and uniquely citeable. You can (automatically) link your research outputs to your ORCID profile.
- Communities create and curate your own community for a workshop, project, Division.
 Laboratory, service, journal, etc. into which you can accept or reject uploads.
- Funding you can associate an upload to the grant that has funded the work.
- Flexible licensing you can choose among several licenses. You can also upload closed or embargoed research outputs.







NADRE

- Open Access National Repository of Ethiopia for Universities.
- Supports contents for thesis and dissertations, articles, research data and presentations.
- Hosts contents directly and also harvests from existing repositories.





Ethiopian Journals Online (EJOL)



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EJOL

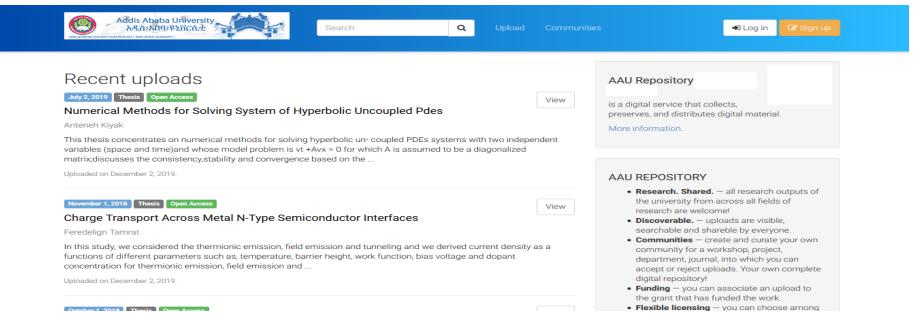
- A platform to publish local open access Journals online.
- An Initiative of Addis Ababa University and EIFL which was launched in 2014 with six Journals.
- EJOL moved to MOSHE in November 2019.
- Currently there are 25 Journals participating in EJOL.





Building Intuitional Repository

- An IR platform is implemented at MOSHE data center(Ethernet) to be used by all Universities.
- Customization works for all the Universities in under process.







Capacity Building

- A training on Repository Management has been conducted for all participant from public universities in September 2019.
- A training on Online Journals Management has been conducted for Journal Editors in October 2019.





Challenges

- Long decision making process.
- Dispersed OA initiatives.
- Awareness and skill.
- Managerial turnover.
- Restructuring of Universities and Government Ministries .





Lessons learned

- Advocate for both IR policy and National policy in parallel.
- Consolidate OA Advocacy
 - Library Consortia, National research and education networks, Ministry of Education, Policy and strategy centre, and Academy of Science.
- Create OA champions among researchers and policy makers.
- Use OA show cases to support advocacy
- Contextualize and locally own the process.



International Partners















THANK YOU!

QUESTIONS?

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