BROKERAGE EVENT TOWARDS A FAIR COMPLIANT COMMONS IN THE ASREN REGION

Experience from Ethiopia

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Outline

- Challenges of the higher Education Sector
- History behind NADRE
- Achievements
- NADRE Services
- Hands on Trainings
- Bootcamp
- Next Steps
- Summary and Conclusions
Higher Education Sector in Ethiopia

Demographic Challenge:
Population: 112 million (2019, Worldbank)
Area: 1.1 million km²
GDP per Capita: $2,772
Median age: 19.5 years (Worldometers)

Higher Education Challenge:
Growth from 4 universities in 2004 to 45 in 2019
Problems of Scientists and Scientific Organisations in Ethiopia

- Faced by Researchers
  - Fragmented resources locations
  - Lack of streamlined thematic research
  - Plagiarism
  - Intellectual Property Rights
  - Lack of Metadata and Within-Documents Search
  - Lack of Global Visibility

- Faced by Universities
  - Replication of similar resources
  - Realization of harmonized curriculum
  - Instructors’ quality gap (young or remote universities)
  - Lower course contents quality within private colleges/universities
  - Lack of coordination of national research efforts
  - Provide researchers adequate access to international research documentations
History behind NADRE

• **March 2016** – Workshop on *Promoting Open Science in Africa* in Dakar (Senegal), jointly organized by Sci-GaIA, TANDEM and MAGIC EU funded projects
  • Outcome: decision is made to hold a similar event in Ethiopia

• **November 2016** – The Sci-GaIA workshop on *Open Science for Research without Frontiers* is held in Addis Ababa
  • Outcome 1: 2 people from Ethiopia are sent to the WACREN e-Research Hackfest, held in Lagos (Nigeria) in the same month
  • Outcome 2: decision is made to hold an e-Research Hackfest in Ethiopia

• **February 2017** – The EthERNet e-Research Hackfest is held in Addis Ababa
  • Outcome: several services and applications are deployed and developed; some of them were the very first prototypes of today’s NADRE services
• **November 2017** – EthERNET hosts the UbuntuNet-Connect 2017 conference; the special workshop *Towards an African Open Science Platform Infrastructure Framework* is held as side-event
  • Outcome: The Ministry of Education attends the workshops and announces later on the news the decision to create a National Academic Digital Repository for Ethiopia -> **NADRE concept starts**

• **February 2018** – The *NADRE Kick-off Conference* is hold in Addis Ababa with the participation of international experts
  • Outcome: in March, GIZ open a tender for a service provision for the “Implementation of the NADRE”

• **June 2018** – Prof. Roberto Barbera bid wins the tender -> **the actual implementation of NADRE starts**

• **August 2018** – The workshop on *Research Data Stewardship and e-Infrastructure for Ethiopian Stakeholders* is held in Gondar as a NADRE side-event co-organized by HESC and the University of Vienna
• **September 2018 – June 2019** – Working Group between the Higher Education Strategy Center (HESC) and the Consortium of Ethiopian Academic and Research Libraries (CEARL) the Open Access of Ethiopian Higher Education Policy linked with the Institutional Open Access Policy has been developed and submitted to the Ministry of Science and Higher Education.

• **May – June 2019** – Data Stewardship Training for librarians, data managers and data scientists as well as repository engineers took place at Catania University (Italy)

• **June – September 2019** – Training of trainers programme for the implementation of Data Management Plans have been conducted.
Achievements

NATIONAL OPEN ACCESS POLICY OF ETHIOPIA FOR HIGHER EDUCATION

Minister of Science and Higher Education of Ethiopia

The document contains the Ethiopia national Open Access policy for higher education.

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Keyword(s):
- Ethiopia
- Open Access
- Policy
- Higher Education

Communities:
- National Academic Digital Repository of Ethiopia

License (for files):
- Creative Commons Attribution

Found 10358 records

May 1, 2019 (v1)

The Role Of Performance
Girma, Ermias;
Information and from various dir
methods 2016/12/15
NADRE Website and Manual

[https://nadreweb.ethernet.edu.et](https://nadreweb.ethernet.edu.et)

[https://nadreweb.ethernet.edu.et/doc/documentation](https://nadreweb.ethernet.edu.et/doc/documentation)
NADRE Services

- NADRE services’ enablers
  - Repository
    - Invenio
  - Agenda
    - Indico
- Forum
  - Discourse
- Wiki
  - MediaWiki
- Platform for MOOCs
  - Open edX
General Hands on Trainings in 2018

- Library Carpentry Workshops
- ORCID & DOI Workshops
- NADRE Conference for librarians
- Research Data Stewardship
- Legal issues
- Data Management Plan Workshop
Hands on Trainings for Librarians in 2018

- Jimma University
- Aksum University
- Dilla University
- University of Gonder
Bootcamp at Catania University 2019

- One NADRE manager
- ONE Librarian
- One system admin
- Three software developer
Next Steps in NADRE

• Training for institutional repository managers and data stewards
• Training of data stewards to assist scientists and researchers in the use of Open Science and Open Access
• Training in leadership and governance of NADRE
• Bringing visibility to Ethiopian research outcomes
Summary

• NADRE has become the key for the Ethiopian higher education sector to participate in the international research community
• NADRE links Ethiopian universities with the top research universities in the world
• NADRE updates researchers and scientists about the most recent research outcomes around the globe
• NADRE brings visibility to Ethiopian researchers’ work
• NADRE opens the door for Ethiopian students to high quality online education from elite universities
• NADRE will guide the Ethiopian society into citizens science
Gratitude – Sci-GaIA Team from Catania University

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Thank You

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