

Increasing Access to STEM Resources



BRIEF ON AVU



A Pan African Intergovernmental Organization

Mandate-to increase access to quality higher education and training through use of ICTs



19

Countries have signed AVU Charter

Partner Institutions

53

30

Works Across Africa in English, French and Portuguese over 30 African Countries

Has trained more than 61,000 students since inception

61k

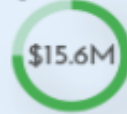
AVU MULTINATIONAL PROJECT II

2012 - 2016



funded by African Development Bank

FUNDED BY
USD



African
Development
Bank



USD



AVU and
Partner
Institutions



universities



countries

Overall Objective

To strengthen the capacity of AVU and a network of Institutions coordinated by AVU to deliver and manage quality ICT asisted education and training opportunities in select African countries

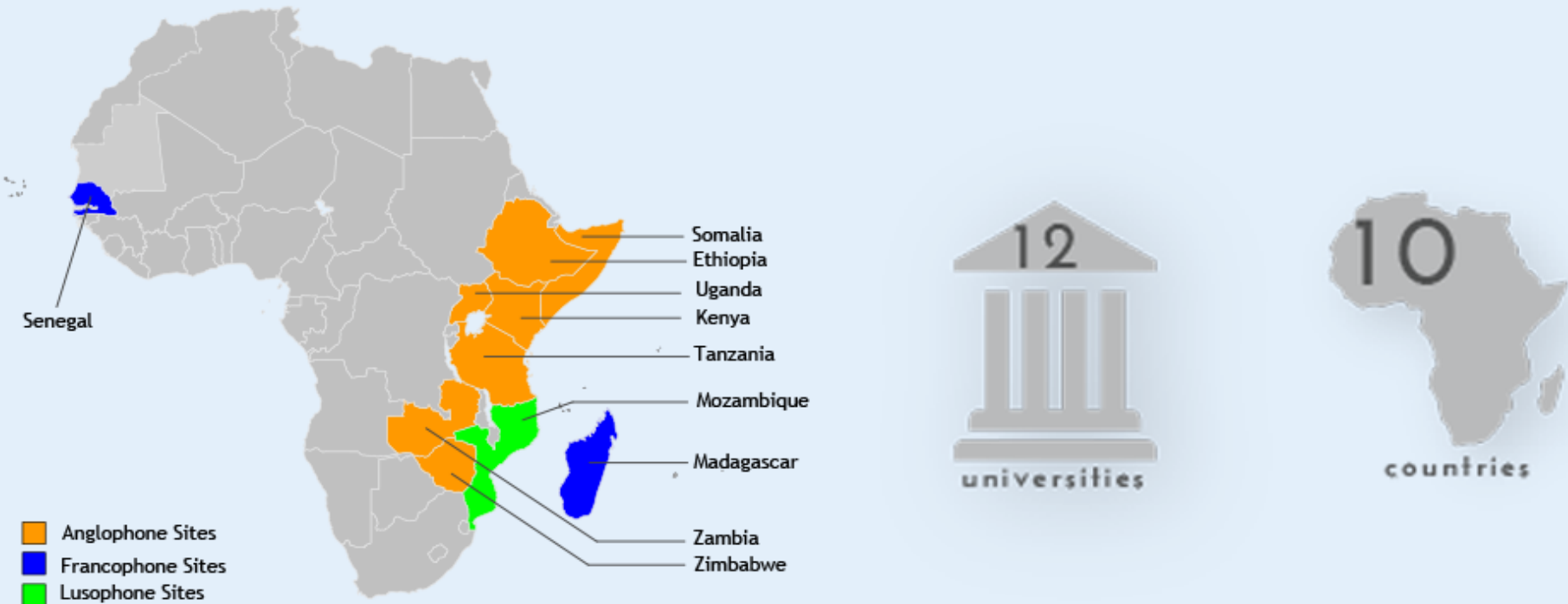
AVU MULTINATIONAL PROJECT II

2012 - 2016

- 27 ODeL centers
- Review of AVU 219 OERs modules
- Applied Computer Science
- Community of practice
- Peace & Conflict resolution
- Gender mainstreaming
- Research & Development
- Technical Assistance



AVU MULTINATIONAL PROJECT I 2005 – 2011 TEACHER EDUCATION



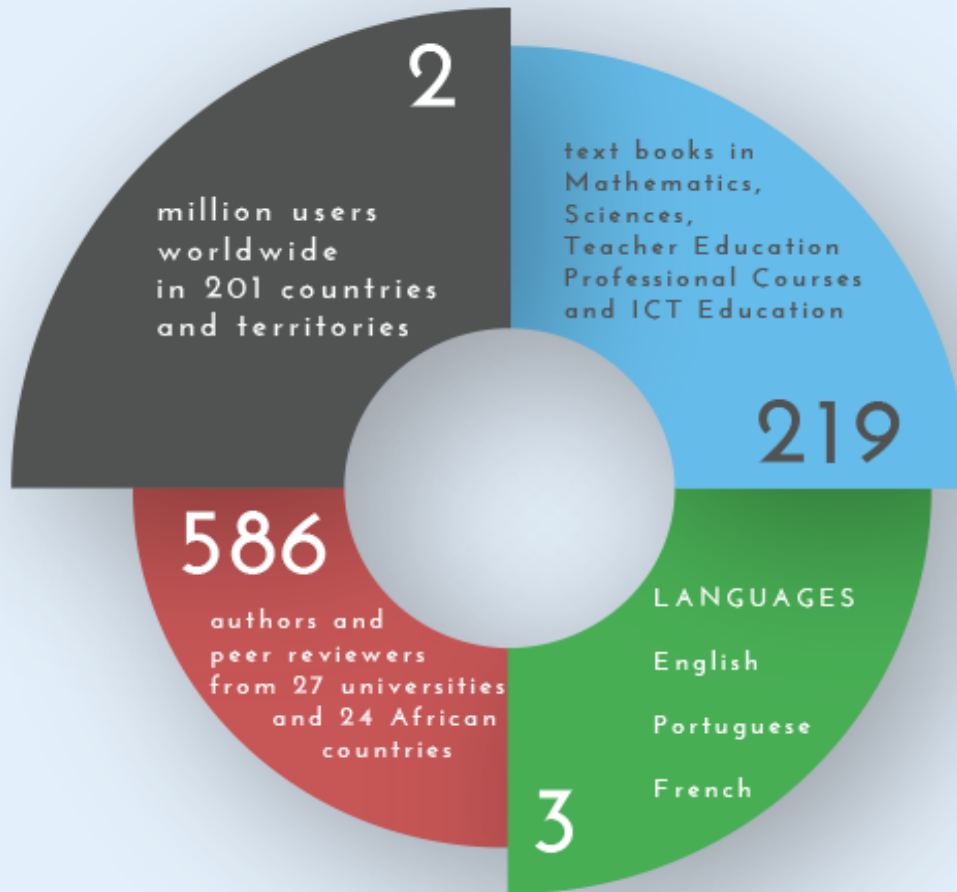
Overall objective

To strengthen the capacity of the AVU and a network of institutions coordinated by the AVU to deliver and manage quality ICT assisted education and training opportunities in selected African countries

STEM COURSES & PROGRAMS

- **Teacher education**
 - 4 Bachelors of Education in Math, Physics, Chemistry and Biology, **250** courses, + **1245** learning objects
- **Applied Computer Sciences**
 - Diploma & Bachelor , **159** courses, **750** learning objects
- **Open Educational Resources**

OPEN EDUCATIONAL RESOURCES



o e r . a v u . o r g

AVU eLEARNING MODEL

Formal courses

Online delivery
(synchronous and asynchronous)
Blended mode delivery:
online and face-to-face
Availability of content Online, CDs, DVDs, Print
Instructors and when necessary tutors
Inbuilt quality assurance
Accreditation: AVU or AVU and partners
Assessment - online and face-to-face

Virtual classrooms

Moodle - Elluminate -
Mobile technology
Adaptation to African context:
ex. low bandwidth
Voice, text, videos
Interactive

Live Events

Online Seminars
Webinars

Self Directed Courses

Online delivery and assessment
Not accredited
Live Events
Online Seminars;
Webinars
Moocs

Access points

Learning centers or
individuals through individual
Live Events
Online Seminars
Webinars

MOOCs@AVU



What is a MOOC?



MOOC concept is appealing and has a great potential for Africa

AVU to offer 4 MOOCs as proof of concept :
Teacher Education,
Peace Management and Conflict Resolution,
ODeL Professional Development
ICT to enrich teaching and learning
Mainstream MOOCs in AVU operations

moocs.avu.org



RESULTS

- Collaboration with **26** Ministries and **36** HEIs
- **21, 000** admissions between 2008 and 2016
- **1975 scholarships** females & disadvantaged
- **36 eLearning** centres established
- **36 institutions** adopted Quality Assurance Framework for distance & eLearning
- **66** policy briefs
- **R&D Online peer reviewed , Mobile Learning AVU international conference**
- **4 international awards**



ODEL CENTER SUDAN - 2014



ODEL CENTER GHANA - 2015



APPLIED COMPUTER SCIENCE PROGRAM
WORKSHOP ,NAIROBI - SEPTEMBER 2014



DEVELOPMENT OF AN ODEL QUALITY
ASSURANCE FRAMEWORK,NAIROBI -
MAY2014

LESSONS LEARNED

- It is possible to implement innovative solutions across countries despite challenges
- Successful collaboration with Governments
- Harmonizing policies, contextualizing curriculum required
- Need for strong financial support
- Leadership in Ministries and partner institutions key
- Collaboration can cause delays & frustrations
- Possible to escalate model

The African Virtual University

www.avu.org

oer.avu.org

www.moocs.avu.org

www.youtube.com/avuorg

www.facebook.com/AfricanVirtualUniversity

https://twitter.com/avu_org

