MASSIVE OPEN ONLINE COURSES:
AN ANSWER TO THE ISSUES FACING HIGHER EDUCATION IN SUB-SAHARAN AFRICA?

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01 / Introduction
02 / A user-centric research
03 / Recommendations
04 / REAMOOC : A new network
Development digital applications for teaching and learning
Development
digital applications for teaching and learning

Faculty development and support (teaching activities and digital learning projects)
01 // INTRODUCTION // WHO ARE WE?

Development
digital applications for teaching and learning

Faculty development and support
(teaching activities and digital learning projects)

Research
on teaching and learning practices
ONLINE COURSE

Commercialization of Social Enterprises: Stemming the Tide of Mission Drift

Find out how to avoid mission drift when transitioning a social enterprise or microfinance venture into a for-profit organisation.
01 // INTRODUCTION // A TRADITION OF COOPERATION PROJECTS

- **2000**: Annual 3 month program on the use of ICT in university libraries for developing countries
- **2002-2005**: Success factors of distance learning in cooperation, FACSEDIC
- **2004-2009**: RUFO (Réseau Universitaire de Formation Ouverte et à distance) with Palestinian universities
- **2006-2012**: European Asylum Curriculum, EAC
- **2009-2014**: PIC (Projet interuniversitaire ciblé) to support teachers at the Faculty of Science in Boumerdès (Algeria)
- **2010-2013**: Migration and Higher Education: Developing Skills and Capacity
- **2011-2013**: Institutional support at the University of Antananarivo
- **2015-2017**: MOOC Africa: Needs analysis, feasibility study and recommendations
- **2017-2020**: REAMOOC

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Participative
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A USER-CENTRIC APPROACH // PHILOSOPHY

Participative  Iterative  Empowering

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A USER-CENTRIC APPROACH // OBJECTIVES

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ANALYZE

Study the context and perceptions of actors
ANALYZE

Study the context and perceptions of actors

UNDERSTAND

Identify needs, feasibility, challenges and opportunities
ANALYZE

Study the context and perceptions of actors

UNDERSTAND

Identify needs, feasibility, challenges and opportunities

PROPOSE

Identify issues and propose recommendations
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02 // A USER-CENTRIC APPROACH // METHODOLOGY

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Litterature review

Cameroon
A USER-CENTRIC APPROACH // METHODOLOGY

Litterature review

Cameroon

Senegal
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- Literature review
- Cameroon
- Senegal
- Survey
- Analyzing the results
Litterature review

Cameroon

Senegal

Analyzing the results

Writing

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03 / Recommendations
04 / REAMOOC: A new network
04 // RECOMMENDATIONS // MOOC AFRICA AND FACSEDIC

**FACTORS OF SUCCESS**

I. Leadership explicitly identified  
II. Institutional capacity  
III. Local anchorage  
IV. Innovation strategy  
V. Reception by the actors  
VI. Operational nature of innovation  
VII. Training and coaching of innovation actors  
VIII. Support for students  
IX. Certification

**AREAS OF INTERVENTION**

I. The availability of digital infrastructures within universities for users  
II. Teachers’ training and support  
III. Students’ training and support  
IV. The development of local educational innovation programmes  
V. Evaluation of pedagogical innovation systems
04 // RECOMMENDATIONS // AREAS OF INTERVENTION // THE AVAILABILITY OF DIGITAL INFRASTRUCTURES WITHIN UNIVERSITIES FOR USERS

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04 // RECOMMENDATIONS // AREAS OF INTERVENTION // THE AVAILABILITY OF DIGITAL INFRASTRUCTURES WITHIN UNIVERSITIES FOR USERS

SUCCESS FACTORS

Local anchorage + Innovation strategy + Operational nature of innovation

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Adopt, within universities, a technological equipment approach based on user’s needs
RECOMMENDATION 1

 Adopt, within universities, a technological equipment approach based on user’s needs

RECOMMENDATION 2

 Develop technological solutions for teaching and learning adapted to the sub-Saharan African context
TEACHERS’ TRAINING AND SUPPORT

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SUCCESS FACTORS

Innovation strategy + Reception by the actors + Training and coaching of innovation actors
SUCCESS FACTORS

Innovation strategy + Reception by the actors + Training and coaching of innovation actors

RECOMMENDATION 3

Develop teachers’ training programmes for digital university pedagogy
SUCCESS FACTORS

Innovation strategy + Reception by the actors + Training and coaching of innovation actors

RECOMMENDATION 3
Develop teachers’ training programmes for digital university pedagogy

RECOMMENDATION 4
Develop pedagogical support units in universities
04 // RECOMMENDATIONS // AREAS OF INTERVENTION // STUDENTS’ TRAINING AND SUPPORT
SUCCESS FACTORS

Innovation strategy + Reception by the actors + Training and coaching of innovation actors + Support for students
SUCCESS FACTORS

Innovation strategy + Reception by the actors + Training and coaching of innovation actors + Support for students

RECOMMENDATION 5

Develop facilities to support students at the university
SUCCESS FACTORS

Innovation strategy + Reception by the actors + Training and coaching of innovation actors + Support for students

RECOMMENDATION 5

Develop facilities to support students at the university

RECOMMENDATION 6

Develop, in online courses, support and support spaces for students
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Innovation strategy + Reception by the actors + Certification + Leadership explicitly identified + Institutional capacity
SUCCESS FACTORS

- Innovation strategy
- Reception by the actors
- Certification
- Leadership explicitly identified
- Institutional capacity

RECOMMENDATION 7

Create a network of universities for the development of pedagogical innovation in sub-Saharan Africa
RECOMMENDATIONS // AREAS OF INTERVENTION // THE DEVELOPMENT OF LOCAL EDUCATIONAL INNOVATION PROGRAMMES

SUCCESS FACTORS

Innovation strategy + Reception by the actors + Certification + Leadership explicitly identified + Institutional capacity

RECOMMENDATION 7

Create a network of universities for the development of pedagogical innovation in sub-Saharan Africa

RECOMMENDATION 8

Encouraging the production and dissemination of Creative Commons licensed resources
SUCCESS FACTORS

Innovation strategy + Reception by the actors + Certification + Leadership explicitly identified + Institutional capacity
RECOMMENDATION 9

Promote and support the development of innovations in digital university pedagogy

SUCCESS FACTORS

- Innovation strategy
- Reception by the actors
- Certification
- Leadership
- Institutional capacity
RECOMMENDATION 9
Promote and support the development of innovations in digital university pedagogy

RECOMMENDATION 10
Implement a policy of skills recognition through massive open online courses
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04 // RECOMMENDATIONS // AREAS OF INTERVENTION // EVALUATION OF PEDAGOGICAL INNOVATION SYSTEMS
SUCCESS FACTORS

Innovation strategy + Institutional capacity

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RECOMMENDATION 11

Develop a research-action component on effectiveness and satisfaction with the different types of pedagogical innovation devices.

SUCCESS FACTORS

Innovation strategy + Institutional capacity
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REMOOC
Réseau Africain de développement de MOOC pour l’innovation pédagogique dans l’enseignement supérieur

African Development Network MOOC for pedagogical innovation in higher education
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Axis 1 – Pedagogical support for teachers
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Axis 1 - Pedagogical support for teachers

Axis 2 - The implementation of a quality assurance process
05 // REAMOOC : A NEW NETWORK

› **Axis 1** - Pedagogical support for teachers

› **Axis 2** - The implementation of a quality assurance process
› **Axis 1** - Pedagogical support for teachers

› **Axis 2** - The implementation of a quality assurance process

› **Axis 3** - The development of technological solutions for teaching and learning adapted to the sub-Saharan African context

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› **Axis 1** - Pedagogical support for teachers

› **Axis 2** - The implementation of a quality assurance process

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05 // REAMOOC : A NEW NETWORK

› **Axis 1** - Pedagogical support for teachers

› **Axis 2** - The implementation of a quality assurance process

› **Axis 3** - The development of technological solutions for teaching and learning adapted to the sub-Saharan African context

› **Axis 4** - Taking into account the needs of the ecosystem around universities
05 // REAMOOC : A NEW NETWORK

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Preliminary studies
05 // REAMOOC : A NEW NETWORK

- Preliminary studies
- Training of experts in each institution
REAMOOC: A NEW NETWORK

Preliminary studies

Training of experts in each institution

MOOC development and dissemination
Preliminary studies

Training of experts in each institution

MOOC development and dissemination

Use of MOOC as blended learning resources
REAMOOC: A NEW NETWORK

- Preliminary studies
- Training of experts in each institution
- MOOC development and dissemination
- Use of MOOC as blended learning resources

Ongoing evaluation and dissemination in the network
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HTTP://PODCAST.ULB.AC.BE

HTTP://WWW.REAMOOC.ORG
MOOC AFRIQUE

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SUSTAINABLE ENERGY FOR AFRICA, OCTOBER 23 – 25, PALACE OF THE ACADEMIES, BRUSSELS

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PROBLEMS AND ISSUES
PROBLEMS AND ISSUES

Teachers

Access to learning resources

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PROBLEMS AND ISSUES

Teachers
Access to learning resources

Students
Access to quality knowledge

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INTEGRATION PRACTICES
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Complementary to the face-to-face presentation
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Complementary to the face-to-face presentation

Solution to infrastructure problems

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INTEGRATION PRACTICES

Complementary to the face-to-face presentation

Solution to infrastructure problems

Response to local needs
INTEGRATION PRACTICES

Complementary to the face-to-face presentation

Response to local needs

Solution to infrastructure problems

Many resistances
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03 // MAIN RESULTS // MOOC

INTEGRATION PRACTICES

Intentions

Practices
Develop technical skills
Collaborate with other universities to share experiences
Improve professional visibility

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Develop technical skills
Collaborate with other universities to share experiences
Improve professional visibility

Additional resources not required
Access encouraged and promoted
Take time for other activities
Criteria for a good MOOC

Reasons to take part of a MOOC
STUDENTS’ PERCEPTIONS

Criteria for a good MOOC

- Audiovisual resources
- Additional resources
- Social dimension is central

Reasons to take part of a MOOC

- Additional resources

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**Criteria for a good MOOC**

- Audiovisual resources
- Additional resources
- Social dimension is central

**Reasons to take part of a MOOC**

- Professional development
- Certification appreciated but not necessarily free of charge