



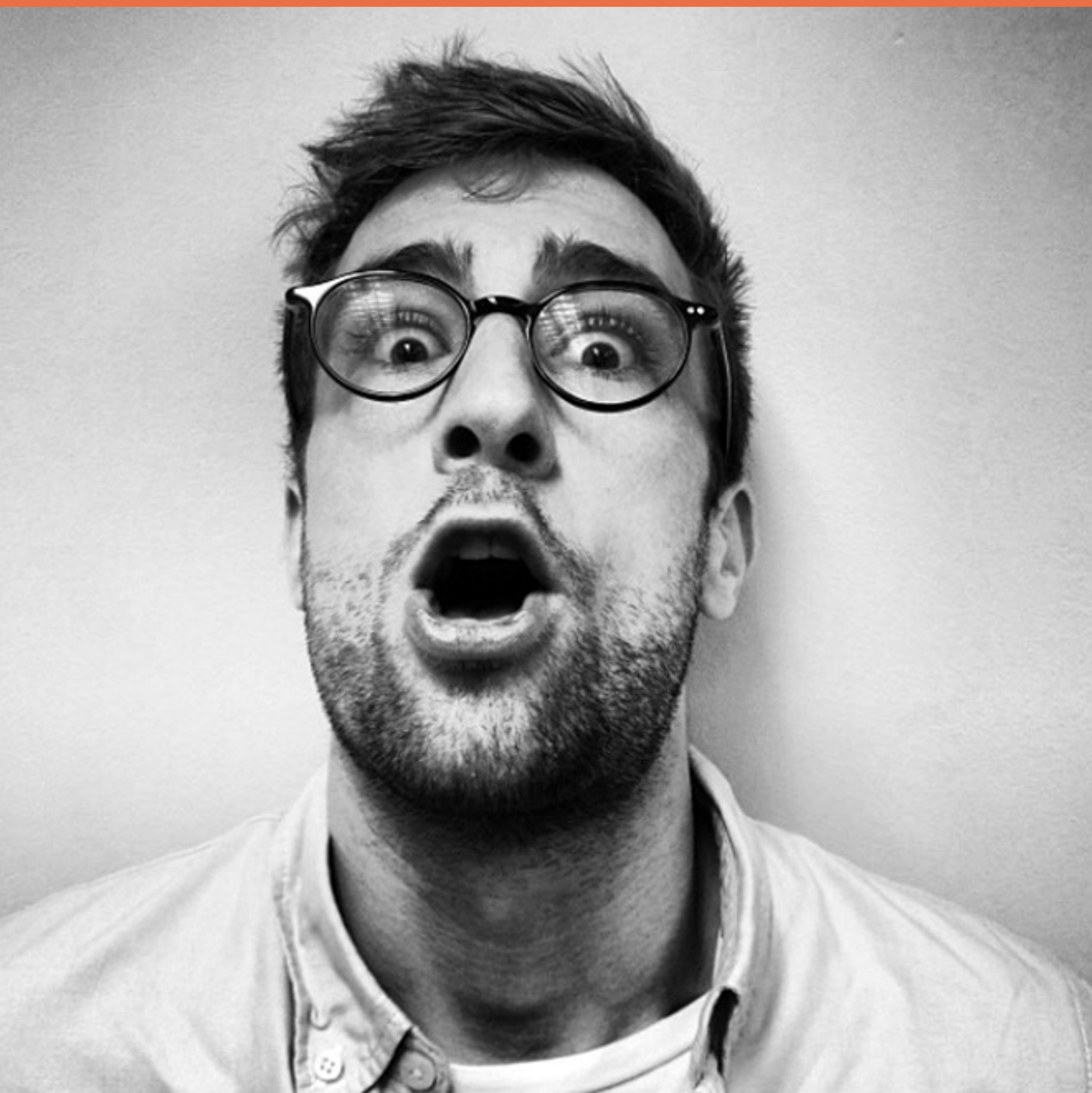
MASSIVE OPEN ONLINE COURSES : AN ANSWER TO THE ISSUES FACING HIGHER EDUCATION IN SUB-SAHARAN AFRICA ?

SUSTAINABLE ENERGY FOR AFRICA, OCTOBER 23 - 25, PALAIS DES ACADEMIES, BRUSSELS



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Head of PRAC-TICE

01 / Introduction

02 / A user-centric research

03 / Recommendations

04 / REAMOOC : A new network



01 / Introduction

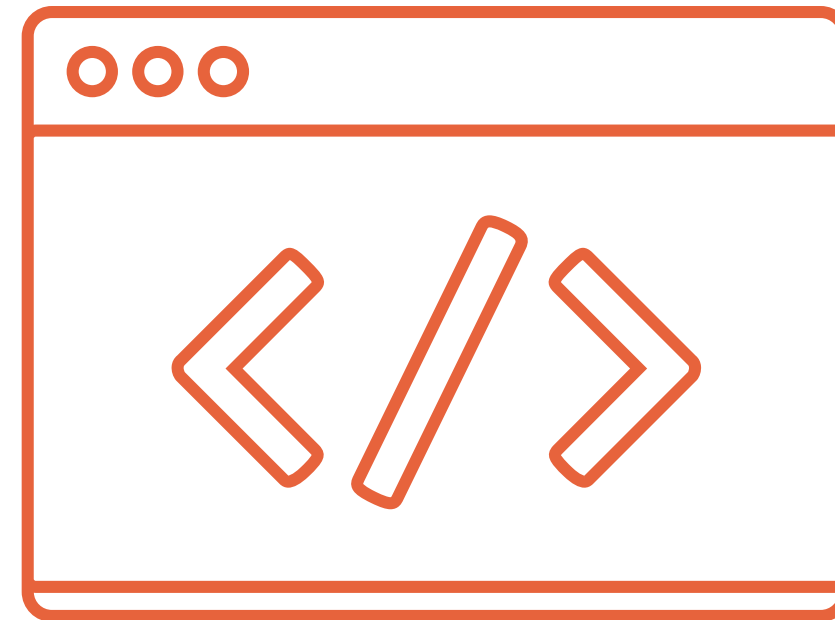
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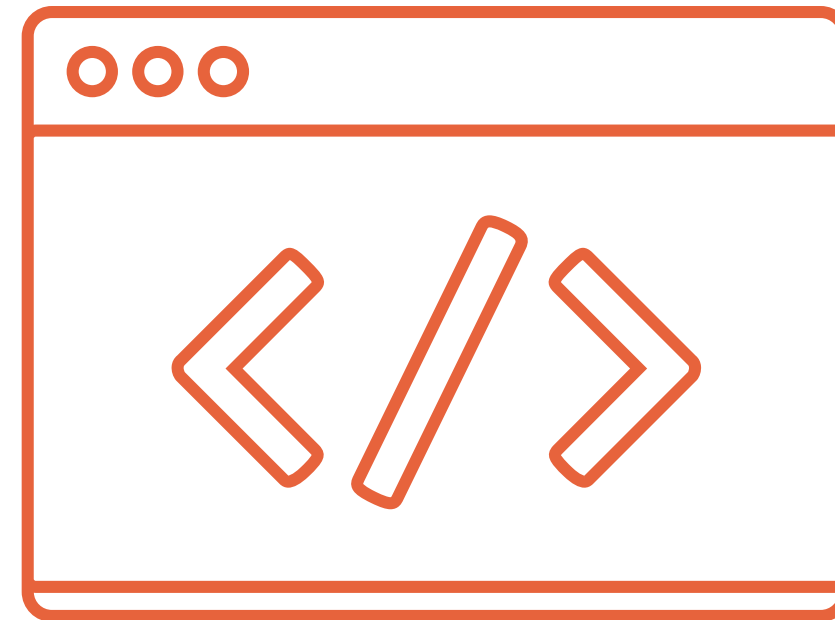






Development

digital applications
for teaching and learning



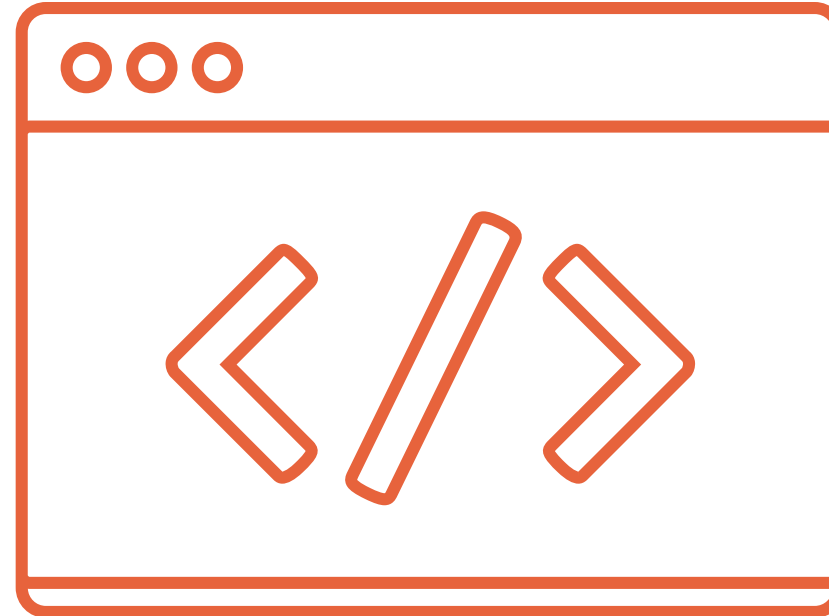
Development

digital applications
for teaching and learning



Faculty development and support

(teaching activities and
digital learning projects)



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

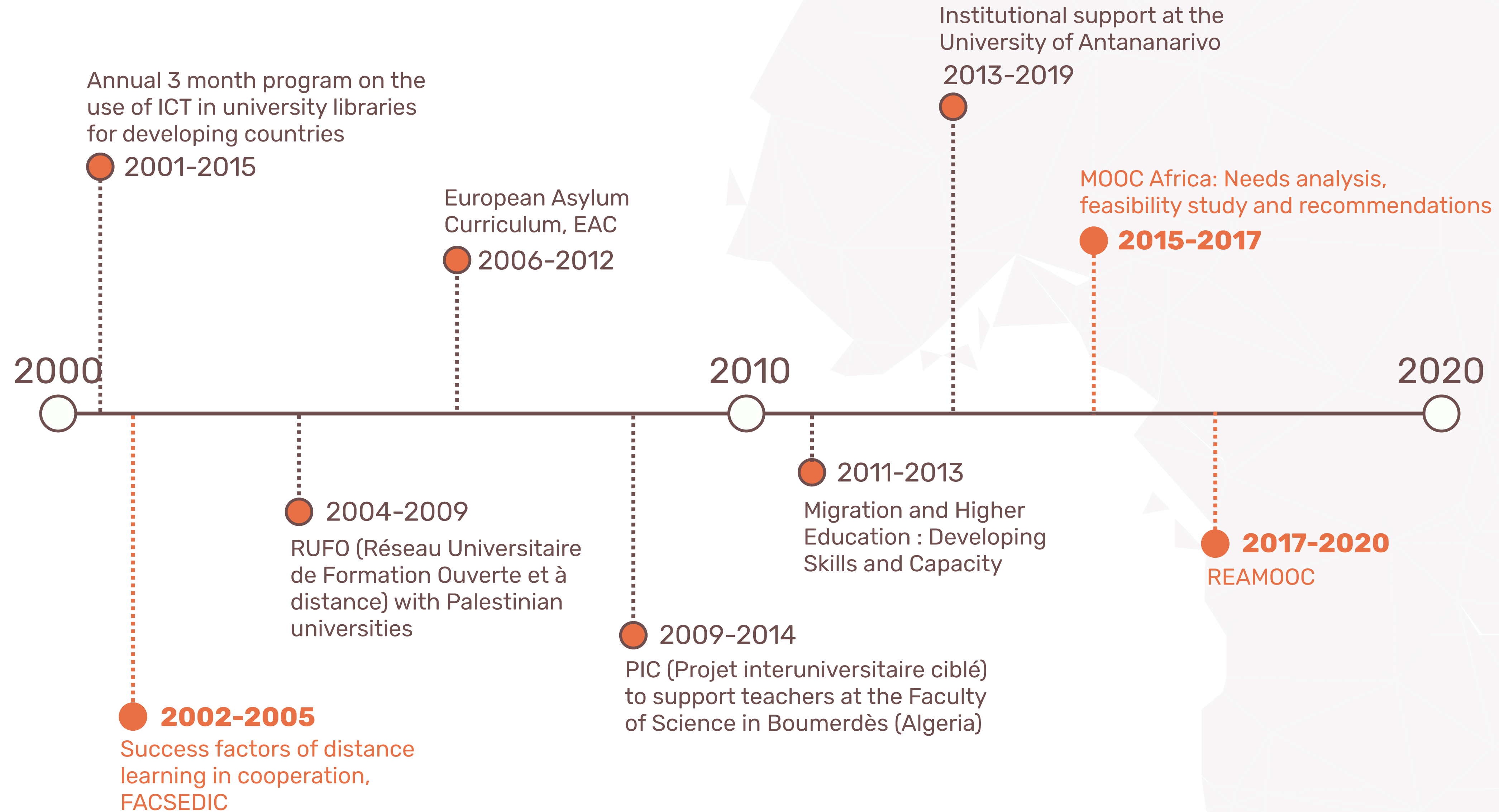
Find out how to avoid mission drift when transitioning a social enterprise or microfinance venture into a for-profit organisation.



Register interest



01 // INTRODUCTION // **A TRADITION OF COOPERATION PROJECTS**



01 / Introduction

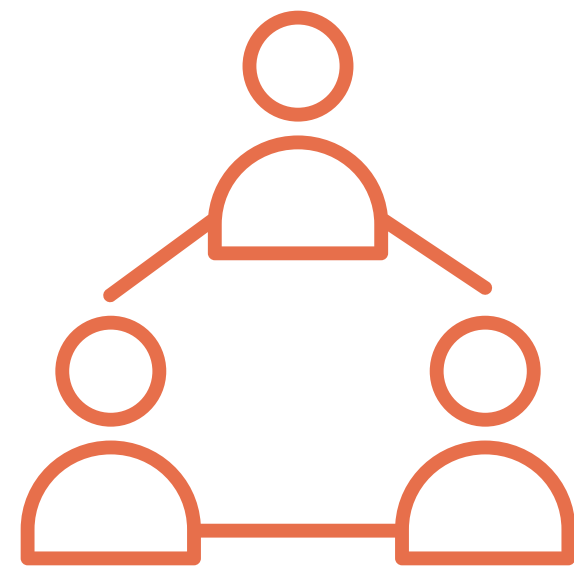
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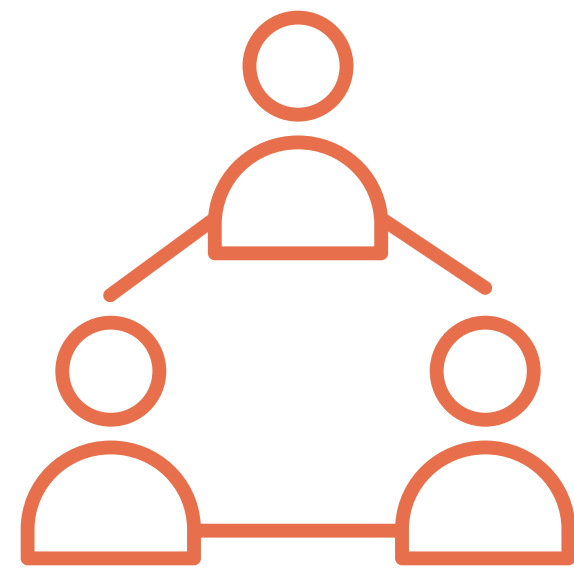
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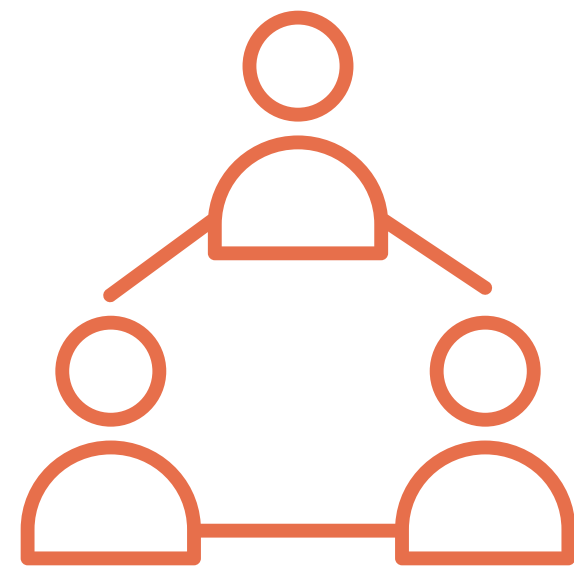
Participative



Participative



Iterative



Participative



Iterative



Empowering



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

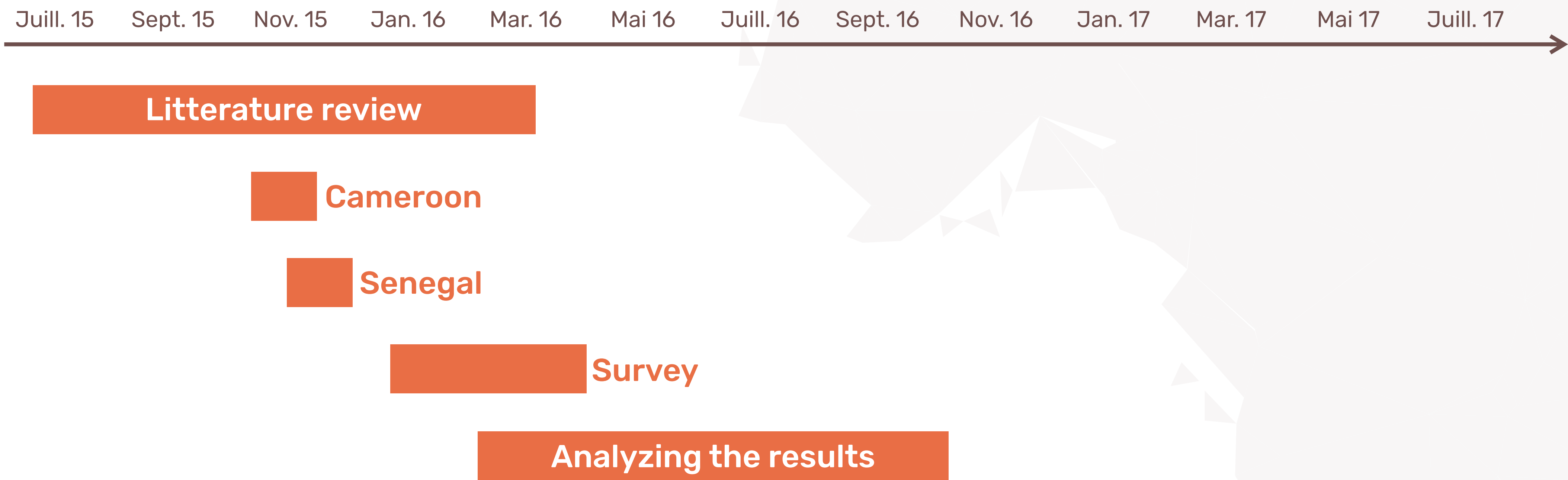


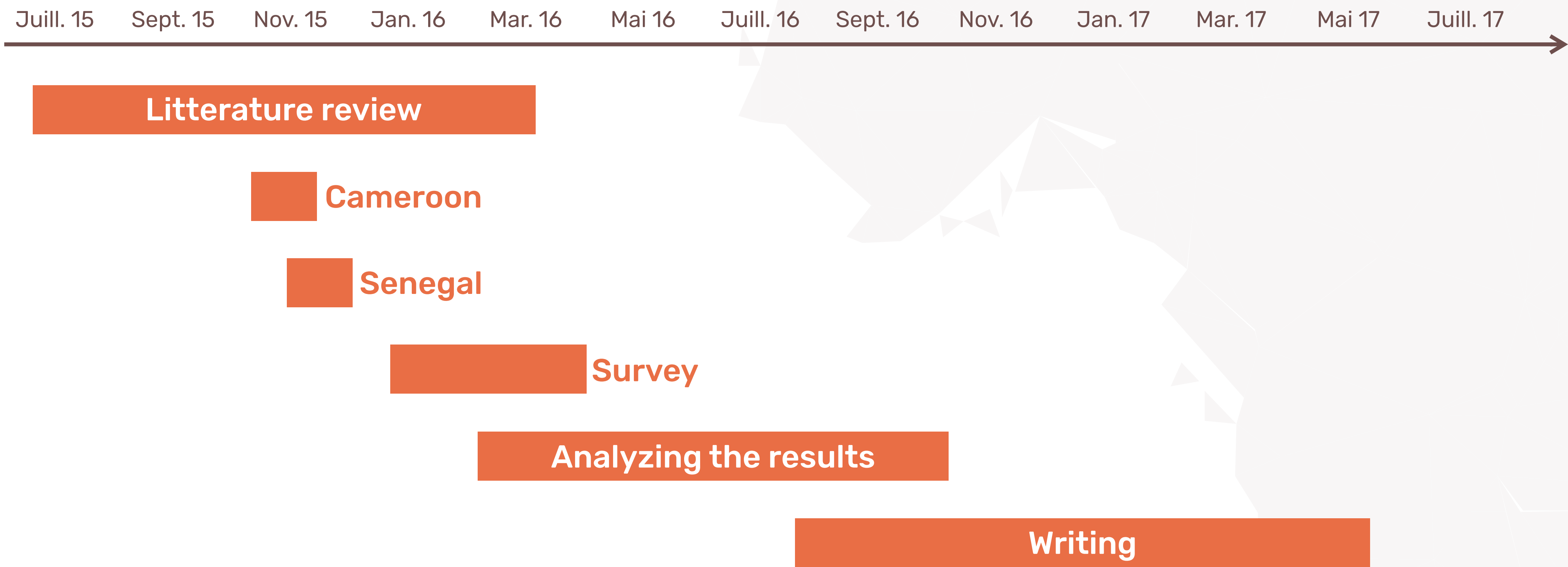












01 / Introduction

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FACSEDIC

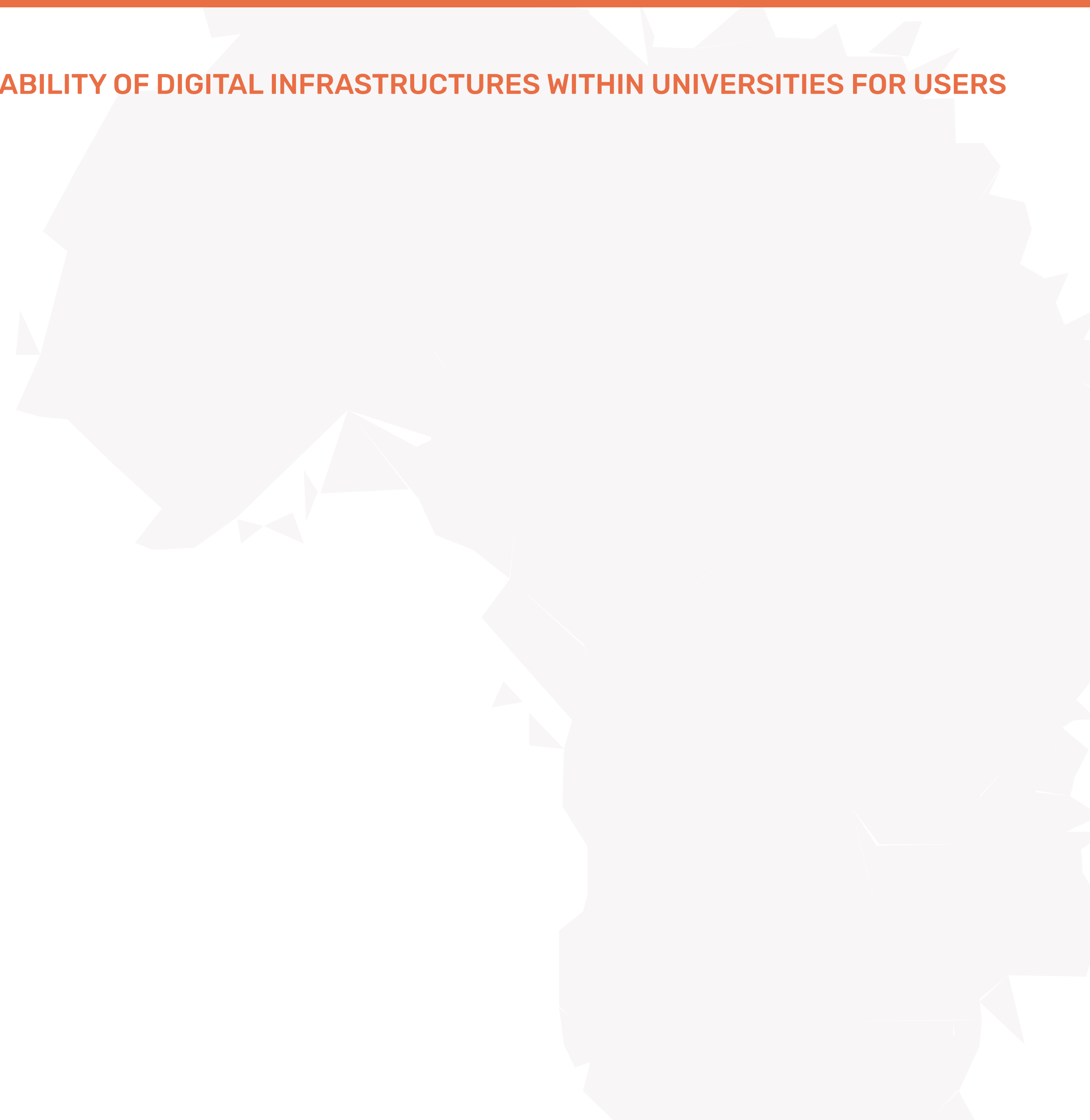
FACTORS OF SUCCESS

- 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

MOOC AFRICA

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



**SUCCESS
FACTORS**

Local anchorage + Innovation strategy + Operational nature of innovation

**SUCCESS
FACTORS**

Local anchorage + Innovation strategy + Operational nature of innovation

RECOMMENDATION 1

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

SUCCESS FACTORS

Local anchorage + Innovation strategy + Operational nature of innovation

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



**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



**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**

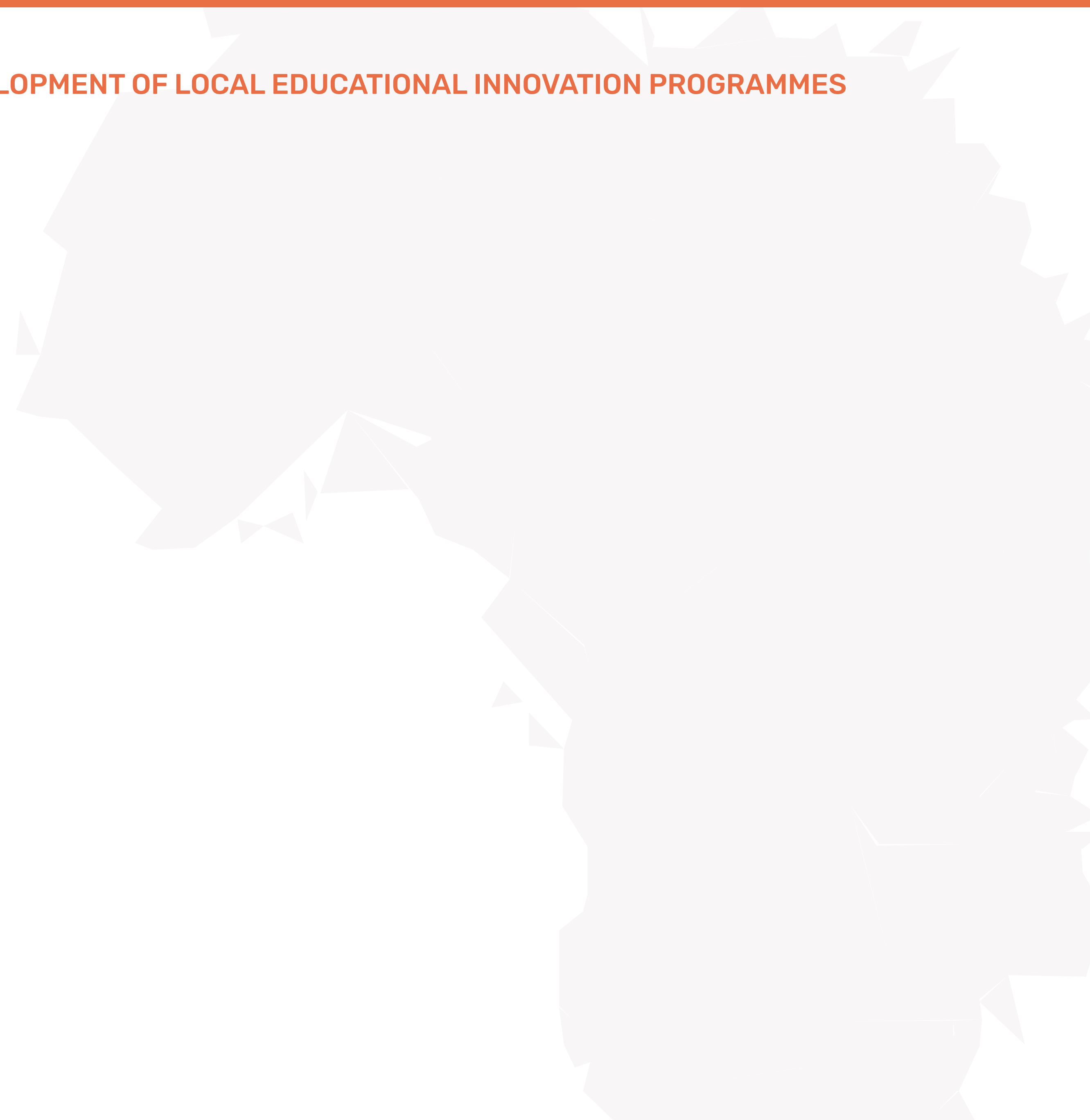
Innovation strategy + Reception by the actors + Training and coaching of innovation actors + Support for students

RECOMMENDATION 5

Develop facilities to support students at the university

RECOMMENDATION 6

Develop, in online courses, support and support spaces for students



**SUCCESS
FACTORS**

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

**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

**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
explicitly identified + 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



**SUCCESS
FACTORS**

Innovation strategy + Institutional capacity

**SUCCESS
FACTORS**

Innovation strategy + Institutional capacity

RECOMMENDATION 11

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

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REAMOOC

RÉseau Africain de développement
de MOOC pour l'innovation pédagogique
dans l'enseignement supérieur

African Development Network MOOC for
pedagogical innovation in higher education



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

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

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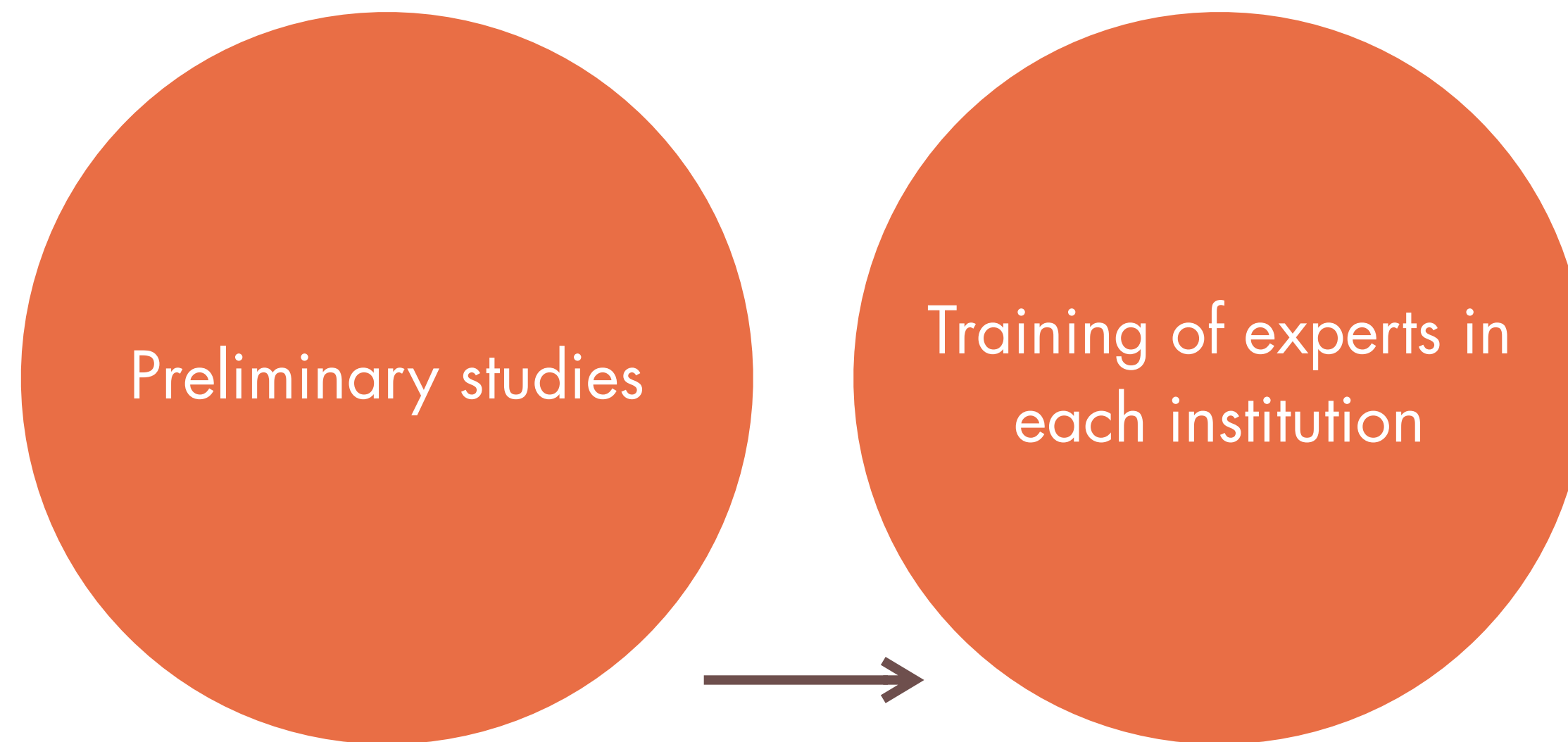
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- › **Axis 3** - The development of technological solutions for teaching and learning adapted to the sub-Saharan African context

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- › **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

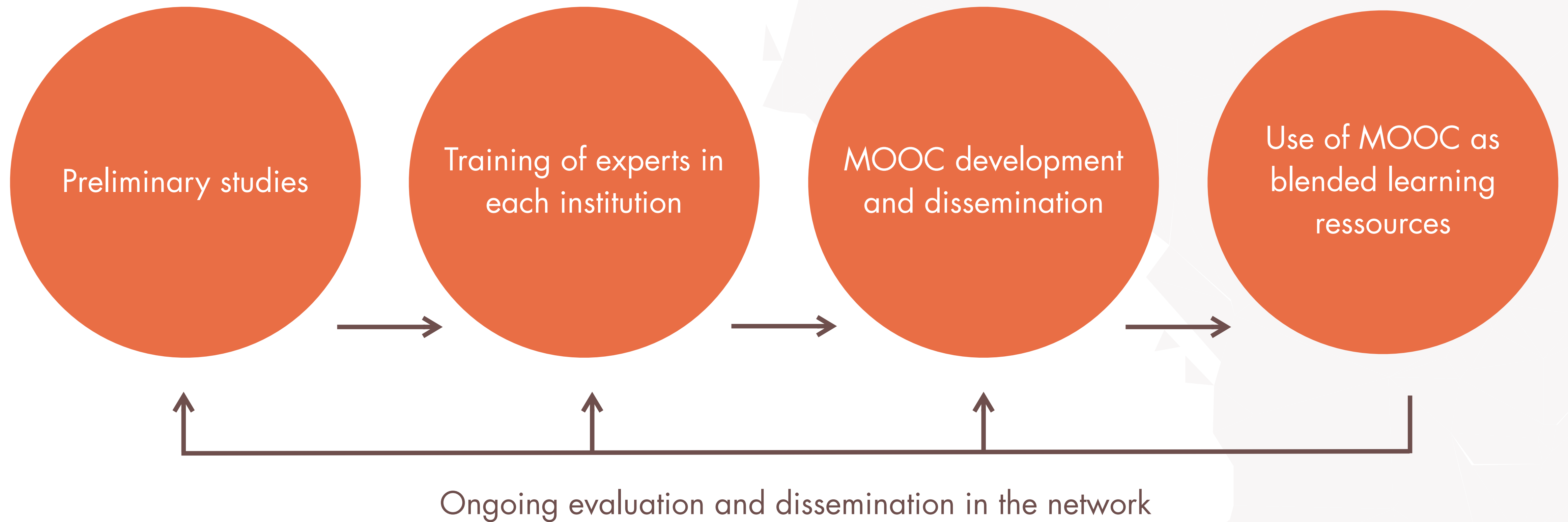


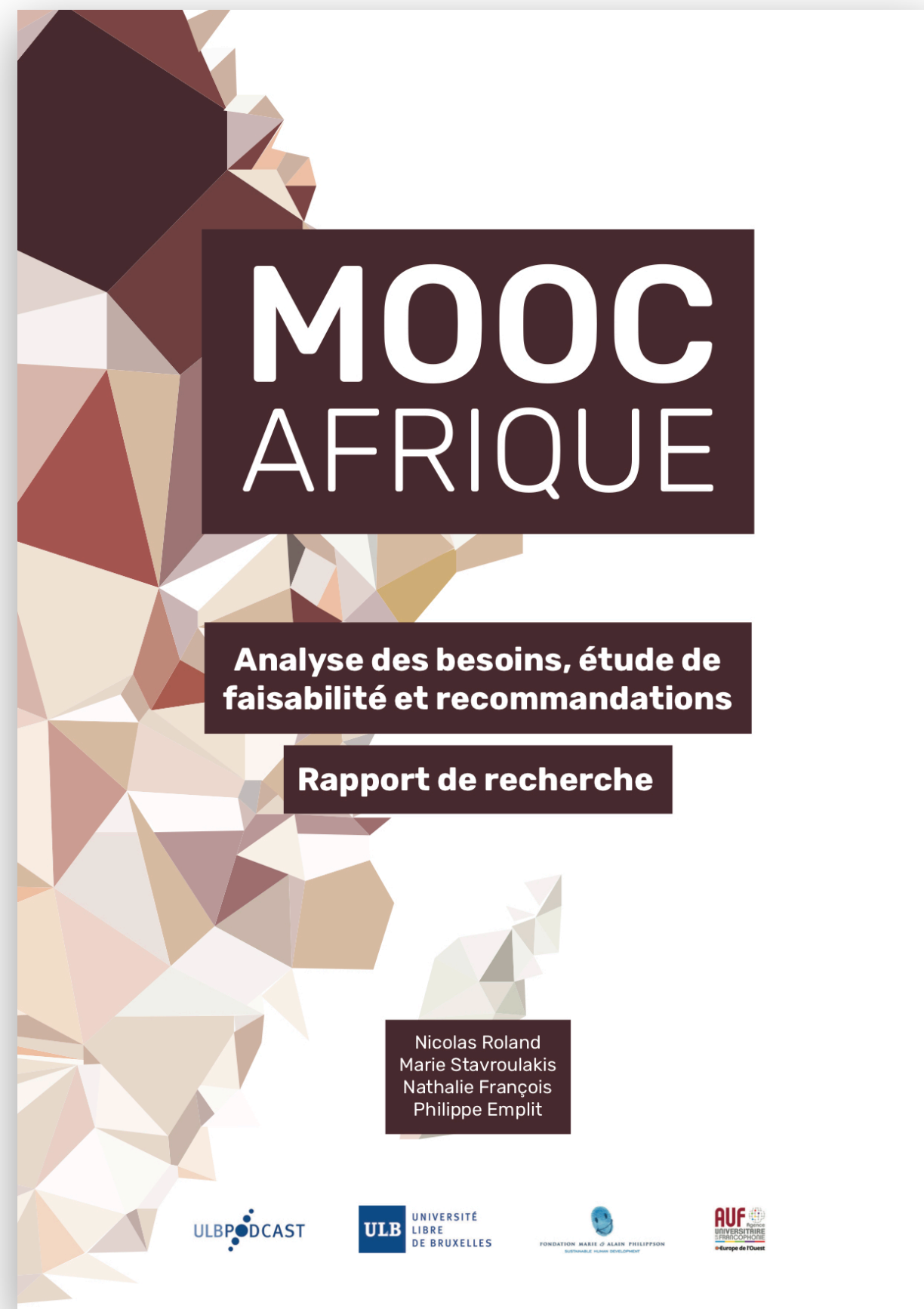
Preliminary studies











[HTTP://PODCAST.ULB.AC.BE](http://podcast.ulb.ac.be)



[HTTP://WWW.REAMOOC.ORG](http://www.reamooc.org)



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PROBLEMS AND ISSUES

PROBLEMS AND ISSUES



Teachers

Access to
learning resources

PROBLEMS AND ISSUES



Teachers

Access to
learning resources



Students

Access to
quality knowledge

INTEGRATION PRACTICES

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Complementary to the face-to-
face presentation

INTEGRATION PRACTICES

Complementary to the face-to-
face presentation

Solution to infrastructure
problems

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

Solution to infrastructure problems

Response to local needs

Many resistances

INTEGRATION PRACTICES

Intentions

Practices

INTEGRATION PRACTICES

Intentions

Develop technical skills

Collaborate with other
universities to share
experiences

Improve professional
visibility

Practices

INTEGRATION PRACTICES

Intentions

Develop technical skills

Collaborate with other
universities to share
experiences

Improve professional
visibility

Practices

Additional resources not
required

Access encouraged and
promoted

Take time for
other activities

STUDENTS' PERCEPTIONS

**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

STUDENTS' PERCEPTIONS

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