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Human Capacity Building in Africa – The BIRS Model

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Human Capacity Building in Africa – The BIRS Model

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Introduction

Skilled personnel are needed in the African pharmaceutical industry, to reach a level of scientific competence that can provide sustainable quality medicines for all of Africa. We need institutions to train African pharmaceutical scientists to position them as leaders of the manufacturing industry and regulatory sciences in Africa.

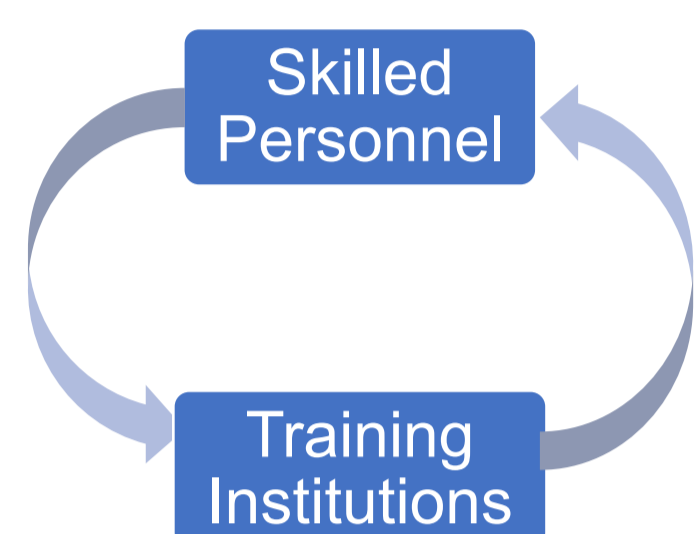


Figure 1. The cycle of human capacity building in sub-Saharan Africa.

Objective

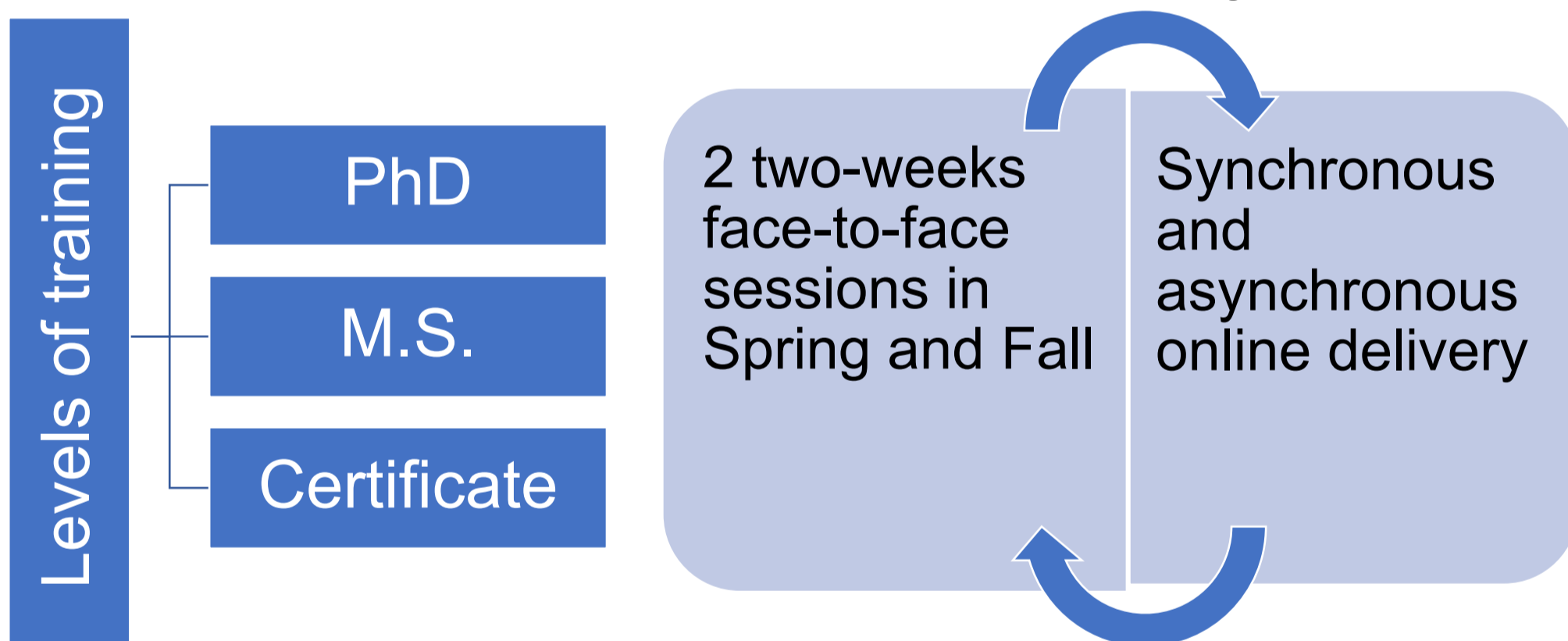
To explain the model of the Biotechnology Innovation and Regulatory Sciences (BIRS) program for the building of human capacity in manufacturing and regulatory sciences in Africa.

The Biotechnology Innovation & Regulatory Sciences (BIRS) Model

Collaborative Purdue University (U.S.) and the Medical Missionaries of Mary (Tanzania)

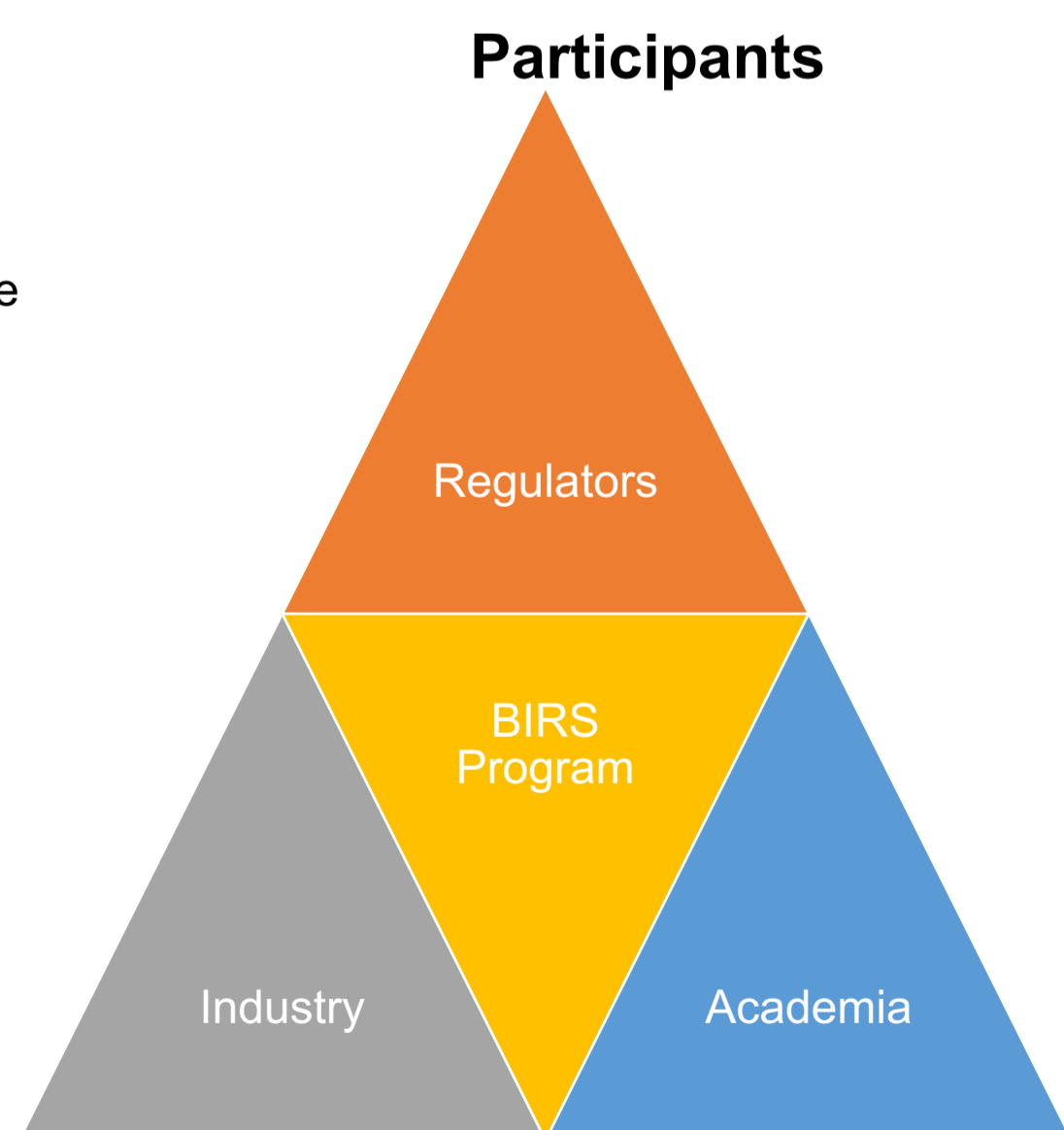
Certificates Awarded

Delivery Mode



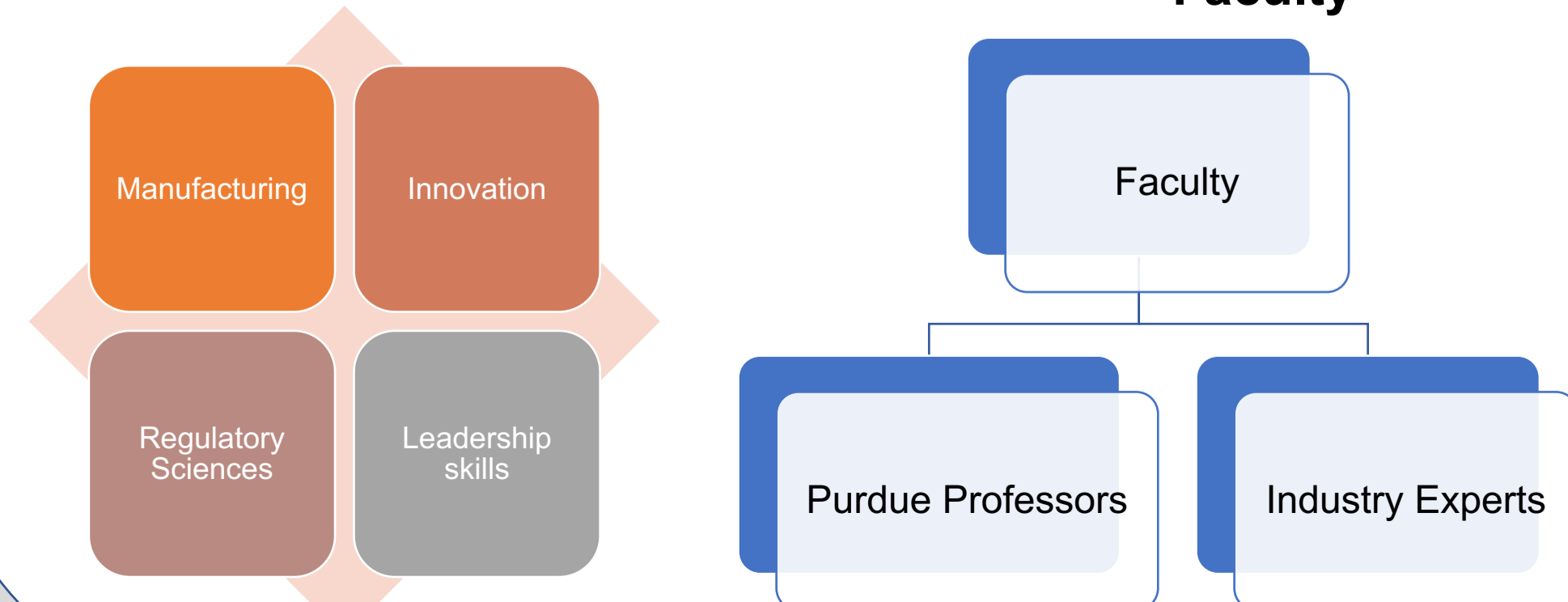
Pedagogic Approach

- Hands-on activities
- Collaborative group work
- Case studies
- Reflections
- Didactic presentations



Curriculum

Faculty



Outcomes

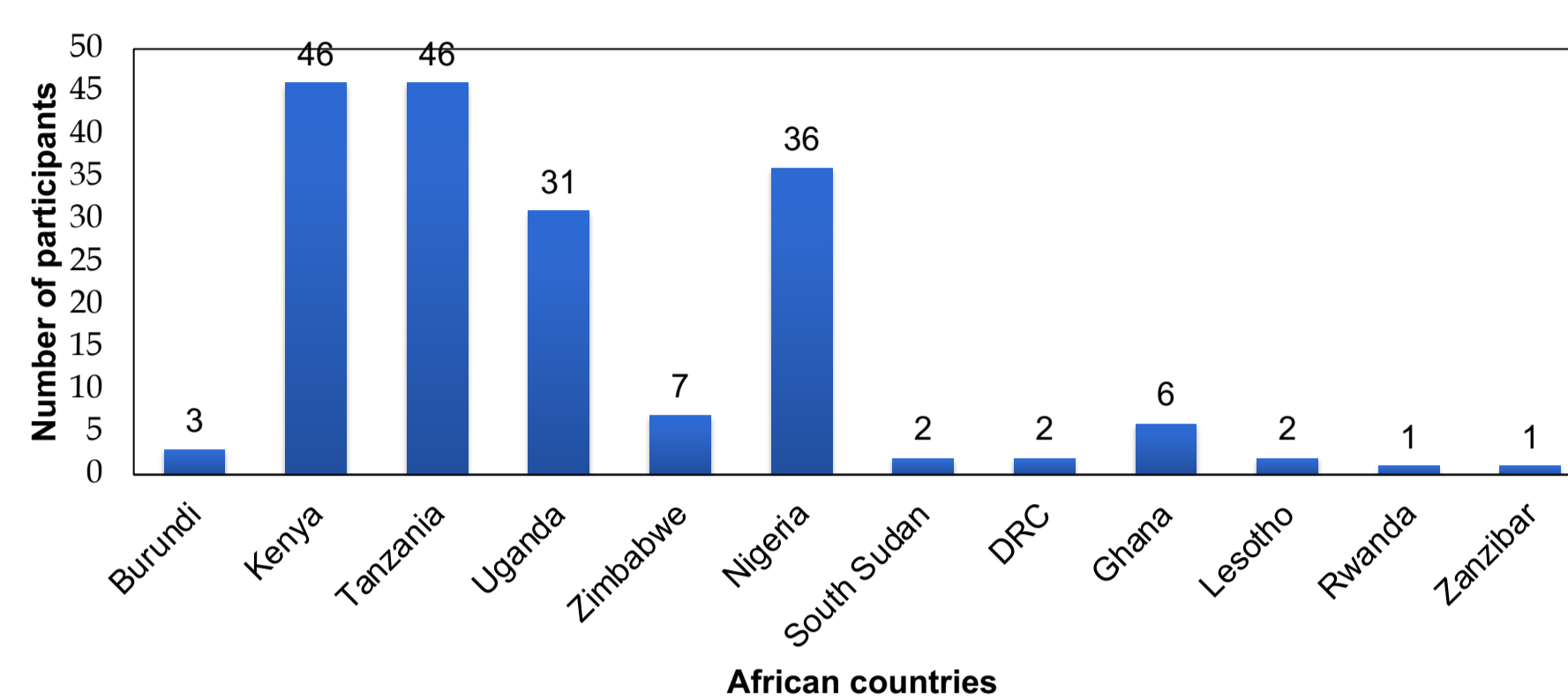


Figure 2. African countries representation in the BIRS program

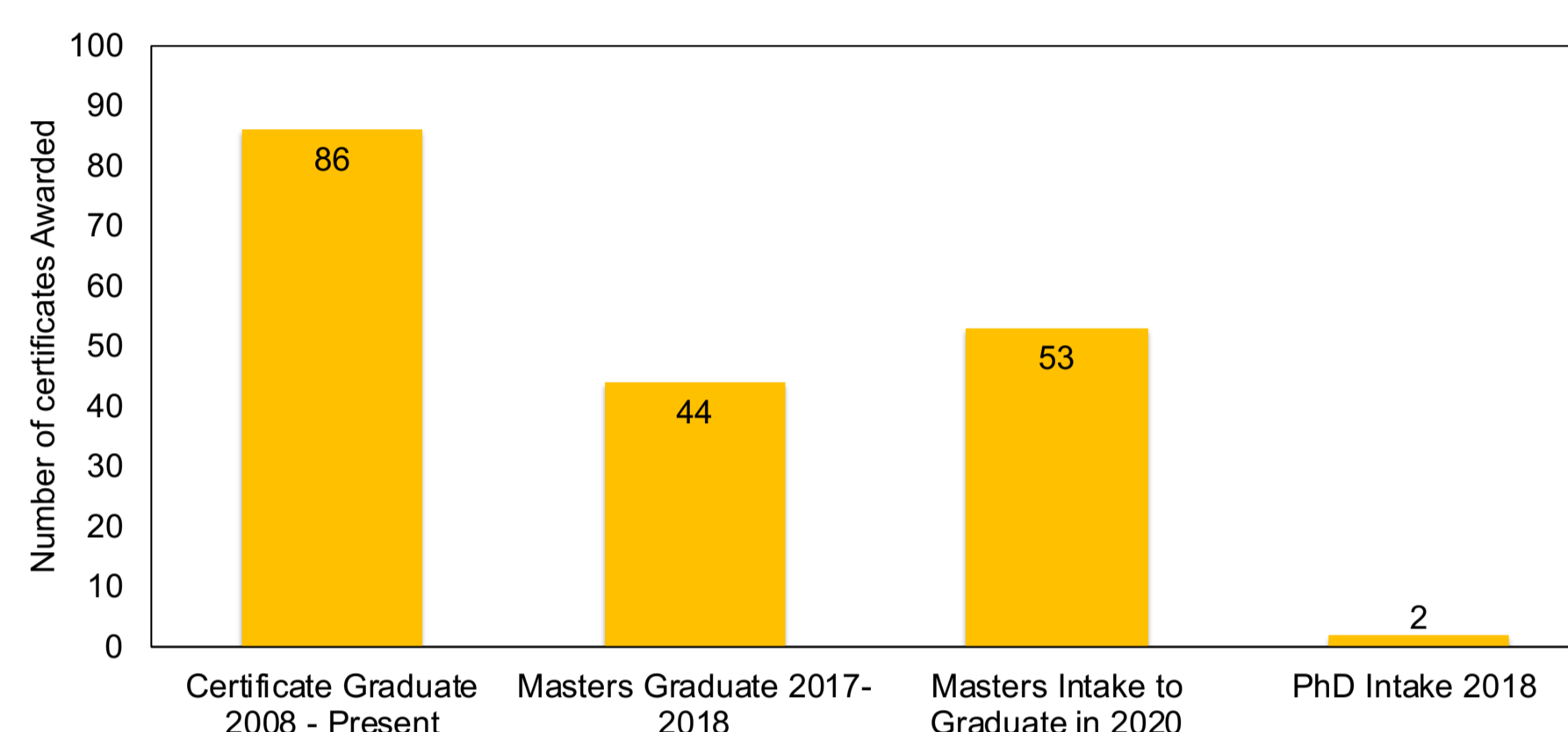


Figure 3. Participants in different levels of training

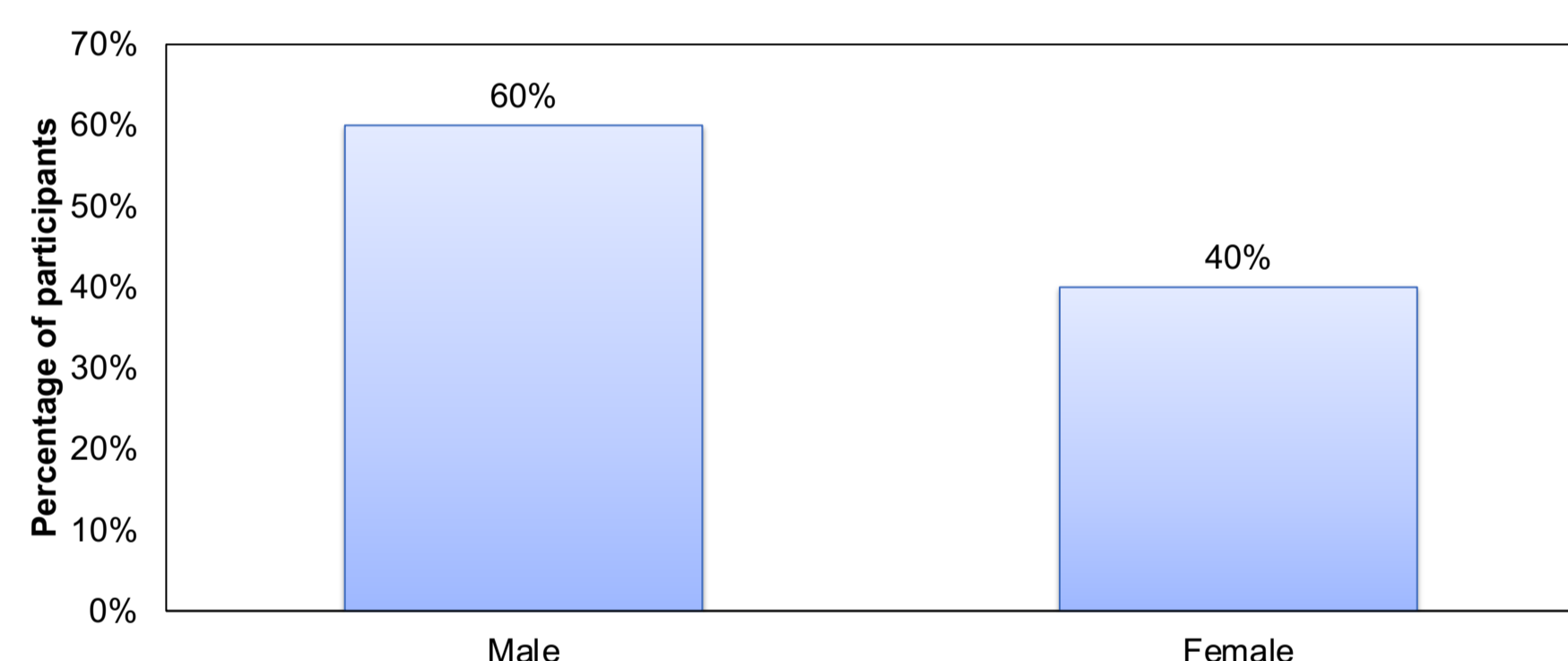


Figure 4 – Gender distribution of participants



Fig 5. Graduates of the first masters class

Conclusion

Developing collaborations and partnerships will help break the cycle of insufficient human capacity building in Africa.

Acknowledgement

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