

Integrative Conservation Biology Research and Training

Priority Area	
Green Transition	
Abstract	
In the face of the climate crisis, integrating biodiversity conservation with socioeconomic needs is essential for achieving sustainable solutions. This requires advanced training in environmental monitoring and impact assessment. African and European universities collaborate to promote impactful science, interdisciplinary training, and international partnerships, tackling climate change, human–wildlife conflicts, and sustainable conservation. We develop undergraduate and postgraduate programs in remote sensing, ecological modelling, R-programming, and biodiversity digital twins, strengthening local expertise and advancing Africa’s digital and green future. Our multidisciplinary approach underpins scientifically sound, socially relevant strategies that balance ecosystems with human needs. The cluster focuses on two complementary systems: the Eastern Afrotropical Biodiversity Hotspot (EABH) and the East African savanna. The EABH, a global hotspot and center of endemism, is threatened by climate and anthropogenic pressures. Adjacent savannas connect rainforests to the EABH, sustain megafauna at near-prehuman levels, host key National Parks, and harbour Rift Valley lakes that are rich in aquatic biodiversity.	
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