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**Advancing local capacities for livestock breeding practice  
and research in Burkina Faso | LoCaBreed2.0**

A partnership between Burkina Faso and Austria

**PROJECT COORDINATOR**

Johann Sölkner

**COORDINATING INSTITUTION**

University of Natural Resources  
and Life Sciences, Vienna

**PARTNER INSTITUTIONS**

University of Veterinary Medicine Vienna  
(Pamela Burger); Norbert Zongo University,  
Koudougou (Albert Soudré); Nazi Boni  
University, Bobo Dioulasso (Salifou  
Ouedraogo); Institut of Environment and  
Agriculture Research (Amadou Traoré);  
African Institute for Economics and Social  
Development – Inades-Formation Burkina  
(Isidore Della); National Center for Animal  
Genetics Improvement (Innocent Wenceslas  
Tapsoba)

**PARTNER COUNTRIES**

Burkina Faso

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**CONTACT**

[johann.soelkner@boku.ac.at](mailto:johann.soelkner@boku.ac.at);  
[appear@oead.at](mailto:appear@oead.at)

**WEBSITE**

[appear.at/locabreed2](http://appear.at/locabreed2)

**Healthy and well-managed livestock** is essential for the economic and social development in Burkina Faso and the fight against poverty. LoCaBreed, the Academic Partnership of Burkinabe and Austrian institutions, has successfully worked in this sub-sector implementing community based breeding programs (CBBP) with farmers in the South-West of Burkina Faso, supporting their transition from cattle keepers to breeders.

LoCaBreed2.0 builds on that foundation, by expanding gender, youth and ethnicity sensitive CBBP to additional communities to generate genetic progress. A national recording and breeding strategy for ruminant livestock populations is developed in cooperation with governmental institutions as well as NGO. New cloud-based digital tools for mobile recording and marketing of breeding stock are the backbone of breeding operations. Goat CBBP are established to especially benefit women, traditional owners and keepers of goats, opening a range of research questions related to breeding objectives and modes of breeding operation. Genomic diversity studies of local cattle and goat populations are performed and genetic variants conferring resistance to trypanosomosis as well as improved levels of production are searched for.

LoCaBreed2.0 reviews and develops educational resources to strengthen and develop Master curricula related to animal breeding and genetics for Burkina Faso. The team includes several PhD students, promoting animal breeding research capacities in Burkina Faso and Austria.

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