



## Provisory programme of the webinar Indigenous breeds Episode 2

**May 13, 2025. 11 am – 1.30 pm CEST (UTC + 2)**

### **Indigenous Breeds: Unveiling their genetic potential, being adaptive and productive, for sustainable community breeding programs in Africa.**

**Introduction** : Pascal Bonnet (Cirad) & Motshabi Chadyiwa (ARC)

**Introductory keynote**: State of animal genetic resources and strategic priorities. Gregoire Leroy (FAO)

#### **Step 1 Illustrating the distance between local breeds (oriented « adaptation to local harsh conditions”) and improved breeds (oriented production / productivity)**

- Poultry. No cross breeding : the breeds are adapted to their functions and their farming type (smallholders vs producers) : Tadelles Dessie (ILRI)
- The role of crossbreeding in community milk production systems (Yandi Sanarana, ARC) .

#### **Step 2 Characterisation, conservation and improvement: from the analysis of genetic diversity and of vulnerability of certain breeds (loss of diversity) to the search of equilibrium between adaptive and productive traits.**

- General considerations; adaptation to Trypanosomiasis Laurence Flori (INRAE) and Charles Dayo (CIRDES).
- Molecular characterization of local resources (rusticity, gastro intestinal nematodes) : Joram Mwacharo (ICARDA)
- Combining phenotypic and genotypic information to study and preserve adaptive traits in local South African breeds : Este van Marle-Köster (Univ. Pretoria)

#### **Step 3 Design and implementation of conservation / improvement programs. Community breeding programs**

- Maghreb / Ruminants : Sonia Bedhief - Romdhani (INRAT)
- Ethiopia : community-based breeding programs (CBBPs). Small ruminants Aynalem Haile (ICARDA)
- Subsaharian / Ruminants Luc Hyppolite Dossa (Univ Abomey Calavi)

#### **Step 4 : participative general discussion (white boards)**

1 What interested you

2 What favor or restrain community breeding programs

3 What are the main gaps to characterize and conserve local breeds

Synthesis : Charles Dayo (CIRDES) , Benoît Dedieu (INRAE), Stephane Fabre (INRAE)

**Conclusion Sonia Bedhiaf – Romdhani (INRAT)**