

# SAFE DAIRY AFRICA

## Technical methodology summary

DRAFT v1.0 | Prepared 8 October 2026 | Not institutionally approved

This newly prepared draft summary reflects the proposed website framework. It is not a donor award, executed partner agreement, adopted policy or validated costing budget.

Proposed Kenya-focused programme. Project Lead: Flightwork Group of Companies. Implementing entity: Investcent. EUR 23.0 million indicative donor funding envelope; funding is not secured. Proposed duration: 48 months. Up to 25,000 farmers and 100,000+ animal records are planning targets, subject to geographical scope, baseline validation, delivery capacity and donor appraisal.

## Veterinary surveillance & herd health (WP3 · WP5)

Co-design herd-health visits and disease-event definitions; record signs, risk factors and referral decisions using unique animal IDs. Route suspected zoonotic events through the competent veterinary and public-health authorities.

### Method

Agree reporting thresholds, sample handling, diagnostic referral and feedback protocols. Coordinate preventive services and vaccination where applicable under authorised veterinary guidance; do not assume disease elimination.

### Verification

Measure reporting coverage, record completeness, referral turnaround and response time. Laboratory confirmation and clinical interpretation remain distinct.

## Proposed responsibility

Proposed veterinary technical lead and competent authorities; appointments and referral agreements pending.

## Milk safety & laboratory systems (WP2 · WP6)

Demonstrate hygienic milking, clean collection equipment, temperature monitoring and context-appropriate cold-chain practices. Link farmer learning to milk-quality evidence.

### Method

Select bacterial-quality tests and antimicrobial-residue screening with qualified laboratories. Define sampling frames, chain of custody, quality controls, proficiency checks and confirmatory testing for screening findings.

### Verification

Compare quality measures against an inception baseline and applicable standards; report denominators, sampling limitations and laboratory quality assurance.

## **Proposed responsibility**

Proposed laboratory and milk-safety leads; facilities, accreditation scope, methods and capacity must be verified before delivery.

## **Antimicrobial stewardship & zoonotic risk (WP3 · WP4 · WP6)**

Include veterinary prescribing oversight, treatment records, withdrawal-period education and risk-based awareness of animal-to-human infection pathways.

## **Method**

Use authorised clinical advice, not farmer self-diagnosis. Separate residue screening from antimicrobial-resistance surveillance; either needs an agreed protocol and valid interpretation.

## **Verification**

Track treatment-record completeness, withdrawal-period knowledge and referral compliance. Do not equate these outputs with reduced resistance or disease prevalence.

## **Proposed responsibility**

Proposed veterinary and research leads; ethics, biosafety and institutional approvals required.

## **Digital identification & traceability (WP5)**

Pilot unique animal identification linked to consented herd records, treatments, milk-sampling events and disease reports. The 100,000+ records are a planning target, not an existing dataset.

## **Method**

Test identifiers, deduplication, offline collection, role-based access, correction workflows and minimum datasets. Assess interoperability with appropriate veterinary systems before promising integration.

## **Verification**

Report unique animals separately from event records; audit duplicates, completeness, accuracy and access. Define retention and consent withdrawal procedures.

## **Proposed responsibility**

Proposed digital lead with veterinary users and data-protection oversight; system choice and interoperability agreements pending.

## **Climate-resilient husbandry (WP2 · WP4 · WP8)**

Co-design locally suitable feed-resilience trials, water-use practices, manure management and heat-stress adaptation, with animal welfare integrated into demonstration design.

## **Method**

Agree water, feed and manure indicators and practical measurement methods. Record seasonality, resource requirements and constraints; assess waste and environmental risks before field activity.

## Verification

Measure selected water use, feed availability and manure-practice indicators. No quantified carbon reduction is claimed without a validated baseline and accounting method.

## Proposed responsibility

Proposed agronomy, extension and evaluation leads; locations, indicators and trial protocols subject to co-design.

## Evidence and further information

Original references and their scope are available in the website evidence library. Listing KNBS, Kenya Dairy Board, KALRO, ILRI, FAO or WOA as evidence sources does not imply partnership, endorsement or funding.

Kenya National Bureau of Statistics | Economic Survey 2023 | 2023

<https://www.knbs.or.ke/reports/2023-economic-survey/>

Kenya National Bureau of Statistics | National Agriculture Production Report 2024 | 2024 report · released 2025

<https://www.knbs.or.ke/wp-content/uploads/2025/01/National-Agriculture-Production-Report-2024.pdf>

International Livestock Research Institute | Market Analysis Annex for Kenya — Pathways to Dairy Net-Zero Project | 2023

<https://cgspace.cgiar.org/bitstreams/74ddee03-fc9e-401f-bc15-034cc17b42e1/download>

ILRI research with KALRO co-authorship | Within-herd genetic and phenotypic analysis of selected production and fertility traits of multibreed commercial dairy cows in Kenya | 2021

<https://cgspace.cgiar.org/server/api/core/bitstreams/729778f5-eb8a-4492-b4f1-c3d2e2508a25/content>

Food and Agriculture Organization of the United Nations | Food Systems Profile – Kenya | 2023

<https://openknowledge.fao.org/server/api/core/bitstreams/40b38090-4149-4970-bbf1-72ee8690a6b9/content>

Food and Agriculture Organization of the United Nations | Livestock Production Systems Spotlight: Cattle and Poultry Sectors in Kenya | 2023

<https://openknowledge.fao.org/server/api/core/bitstreams/8deee023-2631-4818-b5a5-39a75e5b56b4/content>

Kenya Dairy Board regulatory framework · Kenya Law | The Dairy Industry (Dairy Produce Safety) Regulations | 2021 · consolidated edition 2022

<https://new.kenyalaw.org/akn/ke/act/ln/2021/22/eng@2022-12-31>

Kenya Agricultural and Livestock Research Organization | Climate Smart Agricultural Technologies, Innovations and Management Practices for Dairy Value Chain: Training of Trainers' Manual | March 2020

[https://keep.kalro.org/appfiles/media/vc\\_files/dairy\\_value\\_chain.pdf](https://keep.kalro.org/appfiles/media/vc_files/dairy_value_chain.pdf)

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