



## NEADAP in a Nutshell

NEADAP brings together relevant dairy actors in East Africa around the key themes of milk quality, forage and inclusive business models. It aims to promote uptake of interventions and good practices by East African and Dutch stakeholders, and to generate evidence-based recommendations for Dutch and East African policy development for effective support of dairy development. The project is a consortium of SNV Netherlands Development Organization, Wageningen University & Research, Bles Dairies Consultancy BV (formerly The Friesian) and Agriterra. NEADAP is commissioned by DGIS-Ministry of Foreign Affairs of The Kingdom of the Netherlands in Uganda with an overall budget of € 750,000 from June 2018 till December 2019. NEADAP produced 20 Outputs, co-organized 2 successful Dairy Stakeholder engagement events in Nairobi and Veenendaal and steered the Dairy Discussion Paper leading to the Dutch Dairy Agenda till 2030. The NEADAP consortium will continue its effort to develop good practices and promote the uptake in East Africa. **All resources available online:** <https://agriprofocus.com/neadap-dairy-papers>

## Milk Quality

A **literature review** has been done by NEADAP and led to the publication of a scientific paper in the prestigious Food Control scientific journal:

*Şeyda Özkan Gülzari, Joshua Ombaka Owade, Oghaiki Asaah Ndambi (2020). A review of interventions and parameters used to address milk quality in eastern and southern Africa.*

In this study, we conducted a comprehensive review of studies published in eastern and southern Africa in the past two decades, referring to cow milk quality associated with an intervention. This study reports a systematic categorization of the quality parameters related to various interventions where quality was referred to directly and indirectly. It also shows the variation in number and type of parameters used in assessing milk quality in different countries. The microbial quality of milk was the most common quality parameter examined (19 studies), followed by the milk composition (n=7), then acidity (n=6) and adulteration with water (n=4). However, there was no consistency in the quality parameters used to indicate a change in quality associated with these interventions. It is advisable that future studies use the list of parameters presented in this study to build foundation for comparative assessments of change in milk quality for the respective intervention categories.

## Inclusive Business Models

A **white paper** describes the **inclusive practices of dairy producer organizations and processors to include smallholders, women and youth in their business model** in East Africa. The inclusiveness is assessed along various dimensions of the business model, focussing on the supply side. The best practices and challenges related to inclusive business development provide insights on the opportunities to accelerate sustainable, healthy and inclusive dairy sector transformation to meet the growing demand for dairy products. The study provides recommendations for inclusive business development and the underlying support interventions. The **main lessons learned** and best practices on Inclusive Dairy Business Models from Kenya, Uganda and Ethiopia have also been compiled and can be summarized as follows:

- Define explicit target groups and develop tailored approaches
- Facilitate chain wide collaboration and engage other dairy food system partners
- Support the development of financially viable inclusive business models
- Stimulate impact measurement of IBMs in terms of income and livelihood improvement
- Assess and advice on the complementarity of IBMs from various dairy stakeholders

**Case Studies from Kenya and Uganda** have been described as well. They are living examples of the benefit of adopting inclusive practices in dairy value chain. Furthermore an **overview of the blended learning training curricula related to inclusive business and suitable for dairy service providers** is also available.

## Forage and Nutrition

Forage quality and scarcity have been identified amongst the key factors determining the growth and competitiveness of dairy (and beef) production and the livestock sector at large. For **Kenya, Uganda and Ethiopia**, specific studies have been carried out to better understand the existing challenges and opportunities. **White papers** detail for each one of these countries the pathways to intensify sustainable forage production.

From these learnings, a complete package of integrated interventions is proposed with a regional perspective in a **Regional Dairy Policy Brief**. Placing farmers in the center of the approach, **recommendations towards integrated interventions** cover: the agronomy and forage market, breed and animal nutrition, private sector input suppliers, seed multiplication and supply, education, research and extension and on policies and regulations.

## Networking and Influencing

Bringing actors together is essential to address the dairy sector challenges. A coalition of NEADAP, AgriProFocus, 3R and F&BKP co-organised a joint knowledge sharing event in Nairobi on August 13 2019 :**“Dairy, the motor for healthy growth”**. This event was planned the day before the 15th Dairy Africa conference and exhibition (AFDA, 14-16 August 2019, Nairobi), the key event for the dairy industry in East Africa. It contributed to kick-start a Dairy Sector Community in the region. The lessons are gathered in a dedicated report.

A second event in Veenendaal, in the Netherlands brought the Dairy Sector Community on the 27th of November 2019 together, also coorganised by the same partners as before at the Nairobi workshop. The ambition to tackle collectively the question: **“Dairy Development in emerging economies: A motor for sustainable and healthy growth?”**. A **discussion paper was communicated beforehand**: “How can the Dutch Diamond contribute in an effective way to dairy development in emerging economies.” A dedicated report brings together the discussions of the day. Building on the collective knowledge, a position paper has been developed : **“Dairy for nutrition, employment and sustainability. An action agenda for the Dutch contribution to dairy development in Africa and Asia.”**

## Way forward

The Covid-19 pandemic challenges tremendously the dairy development community. More than ever, collective action is needed to pursue our ambitions : **“Dairy in East Africa for healthy diets, inclusive economic growth and ecological sustainable food systems”**. From the dairy sector coalition emerged the ambition to create **the International Dairy East Africa Learning4Action Partnership**. The publication of the collective position paper **“Dairy for nutrition, employment and sustainability.”** impulse a new phase in this collective effort towards a more sustainable dairy development.

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