



FEED THE FUTURE

The U.S. Government's Global Hunger & Food Security Initiative



Food Safety Capacity Building in Senegal: Enhancing Resilience of the Dairy Value Chain by Leveraging Public-Private Partnerships

Dairy production in Senegal is a rapidly growing sector, providing a domestic supply of nutritionally-rich milk products and fostering economic opportunity in rural areas. However, the diverse and fragmented supply chain of small farms, aggregation sites, artisanal processing facilities, and transport from rural areas to urban centers creates challenges for protecting the microbial quality, safety, nutritional quality, and shelf life of dairy and dairy products.

The goal of our project is to transform the overall safety of dairy and dairy products produced in Senegal, which will improve the nutritional status and economic prospects for the women and youth who play critical roles in dairy production. With funding from the Feed the Future Innovation Lab for Food Safety and in collaboration with our Senegalese partners, we are advancing data-driven safety practices, policies, and trainings to support the development of well-equipped food safety professionals in Senegal.

PROJECT OBJECTIVES

1. Raising awareness about food safety issues and their impact on public health among dairy sector personnel involved in the production, processing, and distribution of dairy products.
2. Developing and conducting research-based food safety training programs to mitigate the risk of foodborne disease for key processes, such as chilling, pasteurization, and fermentation.
3. Providing the food industry with knowledge on cost-benefit propositions for implementing food safety interventions targeting several demographics, including women, men, youth, and small businesses.
4. Coordinating the development and implementation of comprehensive food safety regulations aligned with government policies through consensus building.

The Food Safety Innovation Lab (FSIL) leverages global food safety expertise in locally led projects that address the root causes of foodborne illness. By identifying food safety knowledge gaps and developing data-driven food safety practices and policies, FSIL projects create systemic change that strengthens household and community nutrition, food security, and economic opportunity.



PROJECT OUTCOMES

- ▶ Overall enhancement of the food safety landscape of the dairy value chain in Senegal through increased access to food safety information and food processing technology.
- ▶ Accelerated adoption of dairy processing technologies for safety and improved market access for dairy producers.
- ▶ Strong public-private partnerships for enhancing food safety and reducing foodborne illnesses which can coordinate and implement technical guidance for targeted products, manufacturing processes, and safety criteria.
- ▶ Greater gender equity and youth participation in safe dairy processing and the creation of opportunities for sustainable livelihoods.
- ▶ Strengthening of the nutritional outlook and food security of Senegalese communities through increased access to safe, nutrient-rich, domestically produced milk and milk products.

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For more information about Food Safety Innovation Lab projects, visit: purdue.ag/foodsafetyIL

