



FEEDING THE FUTURE FOOD TRANSFORMATION

PROJECT- CONCEPT NOTE

Project Title: Advancing Climate Adaptation in Agriculture for Improved Food Security in Muchinga and Northern Provinces

Projects geographical location

Muchinga and Northern Provinces

1. Introduction and Background:

Zambia's Muchinga and Northern Provinces, home to approximately 2.2 million people, are experiencing the profound effects of climate change. The changing climate is leading to unpredictable rainfall patterns, drought, and reduced crop yields, exacerbating food insecurity and malnutrition in these rural District, Kanchibiya, Lavushimanda, Shiwang'andu Isoka and Mafinga of Muchinga. Mporokoso, Kaputa, Lunte, Nsama, Kaputa and Chilubi of Northern Province. This proposal presents a project aimed at mitigating these challenges through the implementation of climate-smart agricultural practices and institutional strengthening.

2. Problem Statement:

Climate change has extensively impacted the agricultural sector in this rural Districts of Muchinga and Northern Provinces, leading to decreased crop production, increased food insecurity, and prevalent malnutrition. There is an urgent need to build resilience among local farmers, particularly youths and women, and improve their adaptive capacity to climate change effects.

3. Project Description:

The project "Advancing Climate Adaptation in Agriculture for Improved Food Security" targets the rural communities (Districts) of Muchinga and Northern Provinces. It is designed to address climate change impacts on agriculture and boost food security. The project is divided into three key components:

- Climate-Smart Farming Practices and Climate information centers
- Food Conservation and Preservation
- Strengthening Institutional Support and Collaboration

4. Objectives:

- Increase adoption of climate-smart farming practices by smallholder farmers.
- Strengthen climate information and early warning systems for improved decision-making.
- Promote food Conservation and preservation mechanisms
- Promote local organic Food banks
- Enhance institutional support and collaboration for sustainable agricultural development.
- Promote diversified and nutritious food production and consumption.

5. Expected Outcomes:

- Increased adoption of climate-smart farming practices.
- Improved climate information access and utilization.
- Improved food security mechanisms
- Strengthened institutional support.
- Increased production and consumption of diversified and nutritious food.
- Enhanced resilience to climate change impacts.

6. Target Group:

The direct target group includes youth and women, and cooperatives. Indirect beneficiaries will be families and communities dependent on these farmers. We anticipate reaching approximately 27,000 smallholder farmers and indirectly affecting between 128,000 to 235,000 individuals.

7. Methodology:

The project will employ a participatory approach, working closely with local communities, cooperatives, NGOs and government agencies. Training programs, workshops, and capacity-building initiatives will be conducted to promote climate-smart farming practices, sustainable land management, diversification, and crop selection. Simultaneously, a strategy to strengthen institutional support and collaboration will be implemented, including policy advocacy, fostering farmer cooperatives and networks, and promoting public-private partnerships.

8. Monitoring and Evaluation:

A comprehensive monitoring and evaluation system will be established to assess the project's progress and impact. Regular field visits, surveys, and feedback sessions will be conducted. Key performance indicators will be tracked to measure the project's effectiveness in achieving its objectives and outcomes.

9. Sustainability:

The project is designed to have a long-lasting impact. By empowering farmers with knowledge and skills, establishing farmer cooperatives, and influencing agricultural policies, the project aims to ensure continued progress beyond its lifespan.

10. Budget:

A detailed budget will be prepared, outlining the financial requirements for each project component and activity. The budget will factor in costs for training and capacity building, materials and resources for climate-smart farming, personnel, monitoring and evaluation, and administration.

11. Conclusion:

The “**Advancing Climate Adaptation in Agriculture for Improved Food Security**” project in rural Districts of Muchinga and Northern Provinces is important to be implemented for the following several reasons. Here are a few key points highlighting the significance of this project and why it should receive support:

“Advancing Climate Adaptation in Agriculture for Improved Food Security” project in Muchinga and Northern Provinces is crucial for addressing the challenges posed by climate change in rural areas. It will enhance food security, promote sustainable development, empower local communities, and contribute to Zambia’s climate and agricultural policies. Therefore, it deserves support from various stakeholders, including government agencies, NGOs, development partners, and the private sector.

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