KATUPARK YOUTH

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Implementation Report

Agroforestry & Climate-Smart Farming
January 2023 – June 2024

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1. Project Overview

- **Title:** Agroforestry & Climate-Smart Farming
- **Location:** Shangombo & Kalabo Districts, Zambia
- **Duration:** January 2023 – June 2024
- **Objective:** Promote sustainable farming through agroforestry practices, improve crop resilience to climate change, and reduce deforestation by integrating trees into farmlands.

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2. Background & Rationale

- Rural farming in Western Province relies on slash-and-burn agriculture, accelerating deforestation and soil degradation.
- Climate shocks (droughts & floods) reduce yields, leaving farmers vulnerable.
- Agroforestry enhances soil fertility, reduces erosion, improves yields, and provides additional sources of food and income.
- The initiative aligns with Zambia's Climate-Smart Agriculture Framework and SDG 13 (Climate Action).

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3. Activity Components

- Training farmers in climate-smart agriculture (CSA) techniques.
- Distribution of tree seedlings (fruit & nitrogen-fixing species).
- Establishment of demo plots in villages.

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- Household-level agroforestry adoption support.
- Monitoring tree survival and yield improvements.

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4. Execution Phases

Phase 1 – Farmer Mobilisation & Training (Jan – Mar 2023)

- Mobilized 200 farmers (40% women, 30% youth); trained in CSA, agroforestry, and soil conservation.

Phase 2 – Seedling Distribution & Demo Plots (Apr – Aug 2023)

- Distributed 5,000 seedlings (mango, guava, Faidherbia albida); established 10 demo plots across target villages.

Phase 3 – Field Support & Adoption (Sep 2023 – Feb 2024)

- Agricultural extension workers provided technical support; 65% of farmers integrated agroforestry practices.

Phase 4 – Monitoring & Evaluation (Mar – Jun 2024)

- Field surveys measured crop yield increases and tree survival rates.
- Farmer field day conducted to share lessons and scale up adoption.

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5. Implementation Timeline

- **Jan – Mar 2023:** Mobilisation & training
- **Apr – Aug 2023:** Seedling distribution & demo plots
- **Sep 2023 – Feb 2024:** Farmer support & adoption
- **Mar – Jun 2024:** M&E and farmer field day

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6. Outcomes & Impact

- **Adoption:** 200 farmers trained; 130 farms applied CSA practices.
- **Tree Cover:** 300 ha brought under agroforestry.
- **Yield Increase:** Crop yields improved by 25% compared to 2022 baseline.
- **Environmental Impact:** Reduced charcoal burning as farmers diversify incomes.
- **Sustainability:** Demo plots integrated into district agriculture extension programs.

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7. Key Partners

- **District Forestry Office:** Technical guidance on tree species and survival.
- **Ministry of Agriculture Extension Officers:** Farmer training and follow-up.
- **FAO Zambia:** Co-funding and CSA expertise.
- **Traditional Leaders:** Land allocation for demo sites.
- **Funding Partner:** International Climate Action Grant.

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8. Beneficiary Testimonial

"We used to cut trees for charcoal, but now fruit trees give us both food and income. My maize field also produces more under the shade of Faidherbia trees." — **Mwanza Simasiku, Farmer, Kalabo**

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9. Financial Report – Climate Action Grant ($120,000)

Budget Item	Amount (USD)	Description
Farmer Training & Mobilisation	$20,000	Workshops, training materials, facilitator costs
Seedling Production & Distribution	$30,000	5,000 seedlings, transport, nurseries

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Demo Plot Establishment	$25,000	Land preparation, inputs, irrigation support
Extension Support & Farmer Visits	$15,000	Technical guidance, allowances, follow-ups
Monitoring & Evaluation	$10,000	Surveys, baseline & endline studies, reporting
Farmer Field Day & Knowledge Share	$8,000	Community exchange visits, field day events
Reporting & Dissemination	$5,000	Reports, printing, dissemination
Administration & Contingency	$7,000	Project coordination, buffer
Total	**$120,000**	Funded by International Climate Action Grant

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Summary

The Agroforestry & Climate-Smart Farming project successfully introduced 200 farmers in Shangombo and Kalabo to sustainable farming practices, restoring tree cover while increasing yields and resilience. By embedding agroforestry into extension services and creating lasting demo plots, the project sets a scalable model for sustainable land use in Western Province.

Approved by:

Mundia Situmbeko
Executive Director, Katupark Cooperative Society
Date: 30th June 2024