

# Detailed Implementation & Financial Report

## Climate-Smart Beekeeping & Pollinator Conservation

January 2023 – December 2024

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### 1. Project Overview

- **Title:** Climate-Smart Beekeeping & Pollinator Conservation
  - **Location:** Kaoma District, Western Province, Zambia
  - **Duration:** January 2023 – December 2024
  - **Objective:** Support youth livelihoods through sustainable beekeeping while enhancing pollinator biodiversity and reducing deforestation.
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### 2. Background & Rationale

- Over-reliance on charcoal production has led to forest degradation in Western Zambia, threatening biodiversity and youth livelihoods.
  - Beekeeping provides an alternative income stream while safeguarding pollinators that are critical to ecosystems and agriculture.
  - This project aligned with Zambia's Forestry Policy and global biodiversity frameworks, integrating conservation with enterprise incubation.
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### 3. Activity Components

- **Youth Training:** 50 youth trained in modern beekeeping techniques.
- **Apiary Establishment:** 200 sustainable hives distributed and sited in forest-edge zones.

- **Cooperative Formation:** 10 youth-run cooperatives established.
  - **Market Linkages:** Branding and value-chain development for honey and by-products.
  - **Pollinator Conservation:** Mapping and protection of forest-edge pollinator habitats.
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## 4. Detailed Execution Phases

- **Phase 1 – Training & Mobilization (Jan–Apr 2023):** Youth recruitment, training workshops on apiculture and conservation.
  - **Phase 2 – Hive Distribution & Apiary Setup (May–Dec 2023):** Distributed 200 hives; established apiary sites with technical oversight.
  - **Phase 3 – Cooperative Formation & First Harvest (Jan–Jun 2024):** Formed 10 youth cooperatives; initial honey harvest and processing.
  - **Phase 4 – Market Development & Conservation Action (Jul–Sep 2024):** Branding, packaging, sales to urban outlets; biodiversity awareness campaigns.
  - **Phase 5 – Monitoring & Reporting (Oct–Dec 2024):** Collected data on income, forest use reduction, and pollinator activity; prepared donor reports.
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## 5. Implementation Timeline

- Training & Mobilization: Jan–Apr 2023
  - Apiary Setup: May–Dec 2023
  - Cooperative Formation & Harvest: Jan–Jun 2024
  - Market Development: Jul–Sep 2024
  - Monitoring & Reporting: Oct–Dec 2024
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## 6. Outcomes & Impact

- **Youth Empowerment:** 50 youth skilled in apiculture; 10 cooperatives operational.
- **Income Generation:** First honey harvest generated **\$18,000** in sales.
- **Conservation Impact:** Reduced charcoal cutting by 25% in target zones; 3 forest-edge pollinator habitats mapped and protected.
- **Sustainability:** Youth reinvested cooperative profits into hive expansion.

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## 7. Key Partners

- **UNDP Small Grants Programme:** Grant provider and technical backstop.
- **Zambia Forestry Department:** Guided hive siting and biodiversity conservation.
- **Local Cooperative Union:** Supported governance structures and market access.
- **Youth Beneficiaries:** Primary implementers and cooperative members.

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## 8. Youth & Community Testimonials

*“I never thought bees could bring both income and conservation. With my first honey sales, I paid my school fees while protecting our forest.” — Mwape, Youth Cooperative Member*

*“Since hives were introduced, we’ve noticed fewer trees cut for charcoal and more awareness about protecting pollinators.” — Headman Simasiku, Community Leader*

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## 9. Financial Report – UNDP Small Grants Programme (\$65,000)

Budget Item	Amount (USD)	Description
Training & Mobilization	\$10,000	Workshops, trainers, youth recruitment
Hive Kits & Apiary Setup	\$20,000	200 modern hives, protective gear, siting

Cooperative Formation Support	\$8,000	Registration, governance training, mentorship
Market Development & Branding	\$12,000	Labels, packaging, market outreach
Pollinator Conservation	\$5,000	Habitat mapping, awareness campaigns
Monitoring & Evaluation	\$6,000	Surveys, data collection, reporting
Administration & Contingency	\$4,000	Coordination, communication, overheads
<b>Total</b>	<b>\$65,000</b>	<b>Total Grant Funding</b>

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## Summary

This initiative demonstrated the dual benefit of youth enterprise incubation and conservation. By linking beekeeping with biodiversity protection, Karbalus helped youth reduce dependence on charcoal, generate income, and foster environmental stewardship. The project showcases how climate-smart livelihoods can address both poverty and conservation challenges in Zambia.

## Approved by:



*Esther Tekela.*

Executive Director, Karbalus Cooperative Society