



# BOSQUE COLOMBIANO ORG

CORPORATE  
MANAGEMENT  
REPORT

# 2024

NIT: 901.215.234  
officer@bosquecolombiano.org



BOSQUE **COLOMBIANO**

## MESSAGE TO OUR CONSERVATION PARTNERS

### 2024: A Year of Territorial Transformation and Renewed Hope

Dear friends and partners, the year 2024 has been a landmark period for Bosque Colombiano Org. Despite the accelerating challenges of climate change — from prolonged droughts to intensified deforestation — our foundation has remained steadfast in its mission to protect, conserve, and restore Andean and Amazonian ecosystems across Colombia.

*"The forests of Colombia are not merely trees — they are cultures, water systems, and the lungs of our continent. Conservation cannot stop."*

Throughout 2024, we expanded our conservation footprint by linking over 15,000 additional hectares to the National System of Protected Areas (SINAP). We deepened our alliances with the Ette-Ennaka, Ticuna, Arahucac, Kamsá, and Quechua indigenous communities — the true guardians of Colombia's biodiversity — and launched three transformative new programs integrating ancestral knowledge with cutting-edge environmental technology.

Our 2024 portfolio demonstrated that conservation cannot be separated from community wellbeing, food security, or digital inclusion. The Heroes of Tomorrow Indigenous Child Development Center continued to flourish. Our Climatically Integrated Water Management Program reached 300 Ticuna families. And the Hydroponic Crops Program empowered 500 families with sustainable food systems. The Starlink connectivity initiative opened unprecedented doors for health, education, and environmental monitoring in remote territories.

We look to 2025 with clarity and urgency. The forests of Colombia are not merely trees — they are cultures, water systems, and the lungs of our continent. Conservation cannot stop.

**Fabio Cuello**  
General Manager  
Bosque Colombiano Org

10

Projects Executed

15,000 ha

Linked to SINAP

1,300+

Families Benefited

25,000+

People Reached

6

Indigenous Communities

## INSTITUTIONAL IDENTITY







### MISSION

A non-profit NGO dedicated to the conservation of endangered species and threatened Andean and Amazonian ecosystems. We work alongside indigenous communities to protect habitats, promote the sustainable use of natural resources, and restore degraded areas throughout Colombia.

### VISION

Colombia as a global reference for community-led conservation of Andean-Amazonian ecosystems, where indigenous communities lead the defense of their biodiversity and endangered species recover their natural populations.

### GUIDING PRINCIPLES

-  Territorial sovereignty of indigenous communities
-  Science-based conservation integrated with ancestral knowledge
-  Water and ecosystem integrity as a human right
-  Gender equity and women's leadership in environmental governance
-  Appropriate technology for resilient communities
-  Transparency and rigorous monitoring of conservation impact

## STRATEGIC PROGRAMS 2024

During 2024, Bosque Colombiano Org structured its work around five strategic programs that guided planning, implementation, and institutional decision-making across multiple indigenous territories and Andean-Amazonian ecosystems.

### 1. HEROES OF TOMORROW — INDIGENOUS CHILD DEVELOPMENT CENTER



#### Overview

The Heroes of Tomorrow Indigenous Child Development Center continued to serve as a beacon of hope and a model of sustainable development in 2024. Grounded in respect for Narakajmanta indigenous traditions, the center provides a safe, enriching, and culturally relevant space for children in the Sierra Nevada de Santa Marta.

#### Key Activities 2024

- ▶ Environmental education integrated with indigenous cultural identity
- ▶ Drawing and storytelling workshops on biodiversity and water cycles
- ▶ Community-led curriculum designed by indigenous women educators
- ▶ Introduction of digital tools for environmental learning (Starlink-enabled)
- ▶ Nutritional support and psychosocial accompaniment for 150+ children

#### Results

Indicator	Result
Children enrolled	150+
Indigenous women educators	8
Cultural workshops held	42
Communities served	3 (Narakajmanta)

### 2. STARLINK DIGITAL INCLUSION IN THE SIERRA NEVADA DE SANTA MARTA

#### Overview

The implementation of Starlink satellite internet in indigenous communities of the Sierra Nevada represented a transformative leap in 2024. Beyond connectivity, this initiative opened doors to telemedicine, environmental data sharing, biodiversity monitoring networks, and distance education — connecting communities with global conservation tools while preserving their autonomy.



#### Components

- ▶ Installation of Starlink terminals in 5 indigenous community centers
- ▶ Training of 60 community members in digital tools and cybersecurity
- ▶ Integration of connectivity with environmental monitoring dashboards
- ▶ Telemedicine access for remote health consultations
- ▶ Digital platforms for biodiversity data collection and reporting

Coverage	Detail
Communities connected	5
Terminals installed	5
People with access	500+
Training sessions	12
Avg. uptime	98%

#### Strategic Impact

Connectivity is not a luxury — it is an instrument of territorial sovereignty. With real-time access to satellite data on rainfall, forest cover, and species alerts, indigenous rangers can now respond faster and advocate more effectively for their territories.

## STRATEGIC PROGRAMS 2024 (CONTINUED)

### 3. CLIMATICALLY INTEGRATED WATER MANAGEMENT — SIERRA NEVADA & AMAZON BASIN



#### Overview

Building on the 2023 foundation, the Climatically Integrated Water Management Program expanded significantly in 2024. In the Sierra Nevada de Santa Marta, riparian zones were reinforced along critical corridors in Tayrona Park, providing water to more than 300 Ette-Ennaka families, getting to 15,000 liters of clean water daily.



#### Sierra Nevada Interventions

- ▶ Wetland enhancement and riparian buffer expansion in 3 watersheds
- ▶ Native tree planting in corridors protecting Bocachico fish habitat
- ▶ Restoration of trees degraded by illegal mining and agriculture
- ▶ Community water monitoring committees established — 40% women
- ▶ 20 solar panels (450W each) — 9kW capacity system
- ▶ Daily generation: 40kWh powering hydraulic pump
- ▶ Supply: 15,000 liters/day for 300 families within 5km radius
- ▶ Training of local water committee for long-term self-management

**A 10% increase in watershed forest cover produces a 20% decrease in downstream water treatment costs — our forests are Colombia's most efficient water infrastructure.**

### 4. HYDROPONIC CROPS PROGRAM — SIERRA NEVADA

Advanced hydroponic farming systems were implemented in 10 indigenous communities, addressing food insecurity and reducing deforestation rates in the Sierra Nevada de Santa Marta.

- ▶ 10 communities with hydroponic systems
- ▶ 500 families with improved food security
- ▶ 60% increase in food production capacity
- ▶ 15 ha/month deforestation reduction
- ▶ 150 community leaders trained
- ▶ Composting and recycling in all sites



### 5. COFFEE TOURISM + IoT — ETTE- ENNAKA COMMUNIT

An innovative coffee tourism project integrating IoT sensors and Blockchain traceability was launched with the Ette-Ennaka indigenous community, diversifying income and improving coffee quality.

- ▶ 300+ Ette-Ennaka families participating
- ▶ IoT sensors monitoring soil moisture and harvest timing
- ▶ Blockchain traceability from farm to cup
- ▶ Unique cultural immersion tourism packages
- ▶ 30% improvement in coffee quality metrics
- ▶ New sustainable income for 300 families



## GENDER EQUITY, CLIMATE ACTION & COMMUNITY IMPACT 2024

### Gender Equity in Environmental Management

Bosque Colombiano Org recognizes gender equity as a structural component of effective conservation — not a secondary goal. In 2024, women's leadership was central to every program area.

- ▶ 8 indigenous women educators leading the Heroes of Tomorrow center
- ▶ 40% female representation in community water management committees
- ▶ Women-led brigades monitoring 9,800 ha of critical coastal habitats
- ▶ 30 green enterprises led by Emberá and Ette-Ennaka women
- ▶ 50% female participation in indigenous ranger training programs
- ▶ Habitat restoration workshops with a gender-responsive curriculum



### Climate Change Action

Forests are our most powerful weapon against climate change. In 2024, Bosque Colombiano Org demonstrated firm leadership in climate solutions through forest management.

- ▶ 14%+ of Caribbean coast carbon emissions absorbed by restored forests
- ▶ Climate-smart restoration using agroforestry and native species
- ▶ Tree planting in indigenous urban areas — energy costs reduced 30%
- ▶ Joint research with University of Magdalena on carbon sequestration in soils
- ▶ Technical coalition with CARSUCRE, University of Sucre, and Arahuac leaders
- ▶ Monitoring of dramatic tree mortality and species composition shifts



**A 10% increase in watershed forest cover → 20% decrease in downstream water treatment costs**

## CONSOLIDATED IMPACT 2024

<p><b>🌿 ECOSYSTEMS</b> 55,000 ha linked to SINAP · Forest restoration with 120,000 native trees · 17 active ecological easements · 13 Reciprocal Water Agreements (ARAs)</p>	<p><b>🐾 WILDLIFE</b> 6 endangered species monitored · 95% reduction in poaching in protected areas · 450+ hawksbill turtles released · Biological corridors for Saguinus oedipus mapped</p>	<p><b>👥 COMMUNITIES</b> 1,300+ families benefited · 6 indigenous communities · 100 schools linked · 25,000+ people reached · Starlink in 5 community centers</p>
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## STRATEGIC PARTNERSHIPS & OUTLOOK 2025

### Key Partners 2024

Partner	Type
Conservation International	International NGO

### Strategic Priorities 2025

- ▶ Expand SINAP coverage to 65,000+ additional hectares

Fondation Ensemble	International Foundation
ZGAP Foundation	International Foundation
Waterloo Foundation	International Foundation
Association of Field Ornithologists (AFO)	Academic
University of Magdalena	Academic
University of Sucre / UNISUCRE	Academic
CARSUCRE	National Government
WWF Colombia	National NGO
Arahuac Indigenous Leadership	Community Authority
Narakajmanta Tribal Council	Community Authority

- ▶ Scale hydroponic and solar water systems to 5 new communities
- ▶ Launch Antillean Manatee conservation plan on Caribbean coast
- ▶ Expand Starlink connectivity to 3 new indigenous territories
- ▶ Develop Páramo Bordoncillo conservation program with Kamsá
- ▶ Publish peer-reviewed biodiversity studies on 4 priority species
- ▶ Strengthen women's leadership academies in all partner communities
- ▶ Expand carbon sequestration research with University of Magdalena



***"Conservation cannot stop. We have the opportunity to save our home, the Earth. Every hectare protected, every species monitored, every community empowered is a step toward a living planet."***

**Fabio Cuello— General Manager, Bosque Colombiano Org**



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