bio.analytics · Air & Environment

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Country: ?? Colombia · Bogota **Category:** Air & Environment **CT Taxonomy:** CT-IC-001 — Satellite / Deforestation Monitoring **Impact Areas:** Nature-Based **Stage:** Launched **Team Size:** 5.0 **Website:** https://bioanalytics.cc/ **Funded:** False **Founder:** Diego Alejandro Gomez Morales

Elevator Pitch

bio.analytics is a startup offering non-invasive biodiversity monitoring solutions through bioacoustics and environmental sensors. Using an automated AI analysis pipeline, we identify species and habitat dynamics to generate ecosystem health metrics.

Climate Problem

Humanity faces a global environmental and climate crisis. Ecosystems that sustain life are under threat, making biodiversity monitoring essential. Current biomonitoring methods are invasive and difficult to scale across time and geography.

Solution

bio.analytics provides public and private organizations with a modular bioacoustic monitoring platform that uses autonomous sensors, AI animal sound analysis, and interactive dashboards to deliver ecosystem health indicators at 5–10x lower cost.

Revenue Model

bio.analytics uses a two-phase "razors and blades" model: low-cost sensor deployment and baseline, followed by profitable annual subscriptions for AI-powered bioacoustic monitoring and ecosystem alerts in agriculture, real estate, and other sectors.

Target Market

Our market includes voluntary sectors such as biodiversity/carbon credits, sustainable real estate, and tourism, plus regulated sectors like oil and mining adapting to new non-invasive biodiversity compliance requirements.

Social Impact

Indigenous Peoples, Women

Demand Evidence

Demand comes from new regulations requiring non-invasive monitoring and from biodiversity/carbon projects needing affordable long-term solutions. Our technology has already been validated through contracts with NGOs and real estate developers.

Competitors

Latin American competitors offer limited automation, while global firms like Rainforest Connection, WildMon, and Okala face higher costs. bio.analytics is a world pioneer in the use of insect bioacoustics as a measurable indicator of ecosystem health.

Founder Expertise

Founder and CEO of bio·analytics with expertise in AI-based detection and automation, remote sensing, and ecological fieldwork. Published researcher, GIS and software developer. Secured competitive climate innovation funding and clients in our first year.

External Support

In our first year, bio.analytics was selected for the european-backed DGI Challenge and Bogota's 2600 accelerator, and invited to showcase at the NextGen Action Summit 2026, recognizing our potential as an emerging climate-tech and biodiversity startup.

Team

CPO/CMO (Sofía): soundscape ecology, product strategy & marketing. Biodiversity Analyst (Natalia): camera trapping & bat bioacoustics. GIS Analyst (Daniel): spatial analysis & satellite imagery. Admin Assistant (Patricia): contracts & client delivery.

Founder

Diego Alejandro Gomez Morales

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