

Eutecnia Biotech - Clean Industry

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Country: Costa Rica · Moravia, San José **Category:** Clean Industry **Impact Areas:** Mitigation, Nature-Based **Stage:** Prototype **Team Size:** 2 **Website:** <https://eutecniabiotech.com>

Elevator Pitch

Hemos desarrollado una nueva tecnología de extracción de compuestos bioactivos a partir de café verde, que sirve como materia prima para la industria cosmética y farmacéutica de forma 100% segura y respetuosa con el medio ambiente.

Climate Problem

Companies use traditional solvents such as methanol and hexane to extract their raw materials, which are highly polluting and generate 10.8 million tons of CO₂. The methods used to treat the resulting waste are still polluting, or the waste is not treated

Solution

We use Natural Deep Eutectic Solvents (NADES) as a substitute for traditional solvents because they are completely eco-friendly and safe for the environment, thereby eliminating current CO₂ emissions and the costs associated with treating polluting waste.

Revenue Model

Our business model is B2B, where we offer standardized extracts, long-term supply contracts, premium pricing for traceability, and diversification with other tropical bioactive compounds.

Target Market

Our target market is Europe

Social Impact

Indigenous Peoples, Women

Demand Evidence

European market for cosmetic ingredients is estimated to be worth approximately \$6.6 billion by 2025, and the European Union encourages cosmetic companies to adopt greener processes. Preference for natural products.

Competitors

The company that most closely resembles what we do is Biotectics, an Argentine company; however, our processes are more environmentally friendly.

Founder Expertise

As an agronomy student, I have the knowledge to oversee the selection and traceability of green coffee, as well as its post-harvest care. I also maintain contact with our coffee farmers and handle the chemical aspects of the process.

External Support

We received \$500 in seed funding from the Universidad Nacional de Costa Rica, which we used to complete the development of the technology at the laboratory level, and we have participated in two pre-incubation programs with WISE and CARICACO.

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