BIOMATERIALS HOPE · Clean Industry

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Country: Peru · Huánuco **Category:** Clean Industry **Impact Areas:** Circular Economy **Stage:** Public Beta **Team Size:** 3 **Website:** —

Elevator Pitch

B HOPE is a sustainable fashion startup that transforms organic waste from the Amazon into high-quality bio-leather using ultrasound technology. It develops innovative biomaterials that reduce environmental impact and promote the circular economy.

Climate Problem

We are addressing deforestation, CO? emissions, and pollution from tanneries in the Peruvian Amazon. This is critical because it accelerates climate change and biodiversity loss, affecting ecosystems and communities.

Solution

HOPE develops sustainable bio-leather from aguaymanto waste using ultrasound technology. In practice, this reduces emissions, eliminates the use of toxic chemicals, and replaces conventional leather, transforming waste into high-value materials.

Revenue Model

We generate revenue through a B2B and B2C model: selling bio-leather and finished products to brands, hotels, and consumers, as well as sheets of material to artisans and manufacturers, and, in the future, licensing our technology.

Target Market

Our target market includes sustainable brands, the fashion industry, hotels, and restaurants (B2B), as well as eco-conscious consumers (B2C). We also serve artisans and textile institutes that seek bio-leather as an alternative to traditional leather

Social Impact

Indigenous Peoples, People Living in Extreme Poverty, Women

Demand Evidence

We have validated the demand with over 400 interested parties and 22 companies on the waiting list, as well as clients in Peru and international markets. We are currently working with two fashion brands, demonstrating commercial traction and genuine interest in our solution.

Competitors

Our competitors include Caxacori, Fiquetex, and Qaya. There are similar initiatives in Peru, but HOPE stands out by using chemical-free agro-industrial waste, ultrasound technology, and a textile-free bio-leather that is more sustainable and innovative.

Founder Expertise

I bring experience in agroindustrial engineering and biotechnology, having led the development and validation of bio-leather. I have experience in applied research, prototyping, and the optimization of sustainable biomaterials

External Support

We have received support from Incuba UNAS, Emprende Mujer UNMSM, and Conservation X Labs. In addition, we are recipients of the ProInnóvate 11G grant, which provides funding and guidance to help us scale our sustainable innovation.

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