

BioHogar · Clean Energy

BioHogar

Country: Guatemala · Guatemala city **Category:** Clean Energy **Impact Areas:** Mitigation, Circular Economy
Stage: Sketches **Team Size:** 1 **Website:** —

Elevator Pitch

BioHogar is a compact system that converts organic waste into biogas for cooking, providing clean, low-cost energy without electricity. It reduces firewood use, improves health, and brings sustainable energy to Guatemalan rural families.

Climate Problem

BioHogar addresses deforestation and greenhouse gas emissions caused by firewood use and poor organic waste management. It is crucial because millions of rural families rely on these practices, harming health and accelerating climate change.

Solution

BioHogar offers a compact household reactor that converts organic waste into biogas for cooking. In practice, it enables families to generate clean energy at home, reducing firewood use, emissions, and improving waste management.

Revenue Model

We will generate revenue through the sale of household reactors, ensuring that when families buy them, they value and maintain them. We will also offer kits, maintenance, and partnerships with NGOs and governments to scale implementation.

Target Market

Our target market is rural families in Guatemala who rely on firewood for cooking, as well as communities with limited access to energy. We also consider NGOs, governments, and development programs as key partners.

Social Impact

Indigenous Peoples, Persons Belonging to National or Ethnic - Religious and Linguistic Minorities, People Living in Extreme Poverty, Women

Demand Evidence

We know there is demand because millions of families in Guatemala rely on firewood and face high costs, health issues, and limited energy access. In addition, NGOs and programs are actively seeking clean and sustainable solutions.

Competitors

Our competitors include improved cookstoves and traditional biodigesters. In Guatemala, some projects and NGOs exist, but they are often costly or hard to use. We stand out with a compact, affordable design tailored for households.

Founder Expertise

We bring expertise in chemical engineering to design and optimize the biogas process, along with marketing skills to create an attractive, accessible, and scalable solution tailored to the Guatemalan context.

External Support

We are currently in the conceptual development, sketching, and early validation stage. We have received academic feedback and basic technical support, and we are seeking mentorship and partnerships to move toward pilot testing.

Source: ClimateLaunchpad 2026 Application · App ID: 7550 Ingested: 2026-05-25

Revisión #3

Creado 2026-05-25 17:45:58 UTC por Angelica Diaz

Actualizado 2026-05-28 22:34:14 UTC por Angelica Diaz