



Woodgas International

BIOCHAR AND ENERGY (BC&E) FOR CO2 SEQUESTRATION IN SOILS

TLUD gasifier stoves and RoCC kilns.

By Fundación Senderos

www.ven.woodgas.com

PROBLEM :

Open burning of firewood and agricultural refuse causes deforestation, soil nutrient loss, serious air pollution and poor human health.

GOAL :

Release clean thermal energy for rural communities through sustainable management of agricultural and forestry waste to produce Biochar as a degraded soils amendment

VALUE PROPOSITION :

Implement BC&E technology and modern biomass fuels

IMPACT METRICS :

50 %

Saving biomass consumption compared to traditional technologies

40 %

less time spending for cooking

Tier 3 - 4

Emissions of CO2 vs PM2.5

OUR IMPACT GROWING

We are developing two BC&E projects in La Mucuy. First with the Venezuela SGP through Operation Phase 7 -which will process 25ton/year of agricultural waste-. Second with Woodgas International to install 40 FABSTOVE. As finalists for the Premios Verdes we will scale this impact to install TLUD gasifier stoves in 2000 households.

SUSTAINABLE DEVELOPMENT GOALS



CUSTOMER SEGMENTS - BENEFICIARIES

Beneficiaries:

- Vulnerable families
- Agriculture producers
- Local startups with clean cooking needs

Donors:

- GEF Venezuela SGP
- Green Climate Fund.
- Climate action, biodiversity and HRP NGOs

MAIN INDICATORS

200 PP
Target population

15.5 ton
biochar per year

144 MWh/yr
Energy for cooking

45 ton/yr
CO2 Removal