



SISTEMA.bio®
CREATING VALUE FROM WASTE

www.sistema.bio/in

A photograph of an elderly man with grey hair, wearing a white button-down shirt, standing in profile and looking towards the left. He is in a rural setting with several cows in the foreground and background. The cows are of various colors, including brown, black, and white. In the background, there are wooden structures and a corrugated metal roof, suggesting a farm or a small settlement. The lighting is natural, and the overall tone is somber and focused.

Why we are here:

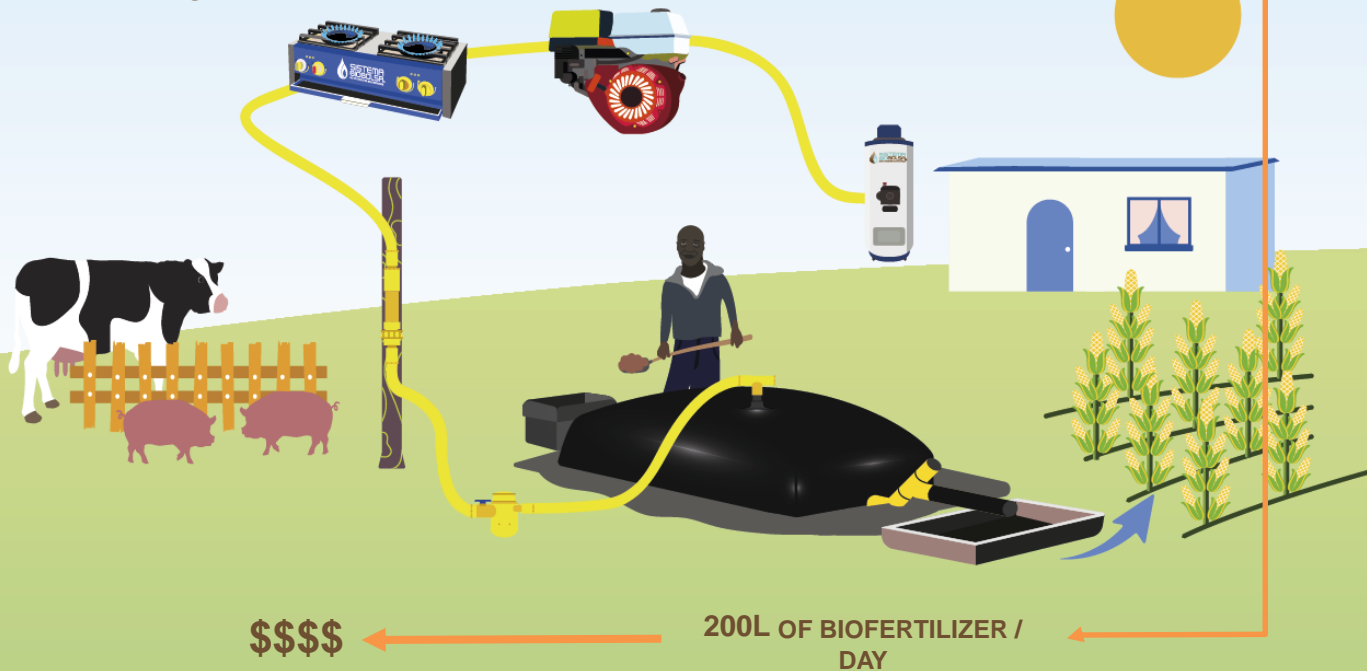
Today: 80% of the food we eat is grown by small farmers. Yet they lack access to reliable TECHNOLOGY, CAPACITY BUILDING and FINANCING to improve their productivity, efficiently, and sustainability.

400M+ small and medium farms worldwide are home to 1 bn of the world's poorest and most food-insecure people. They manage more 60% of the world's arable lands and are the backbone of rural economies. They are a massive market, and an area of incredible potential economic and productivity growth.

Poverty, Food Security and Climate Change are humanity's most pressing challenges, and addressing these challenges will broadly depend on how we meet the challenges of the small farmer.

**2.5 BUCKETS OF
WASTE PER DAY**

**4 HOURS OF BIOGAS
COOKING**



A woman wearing a purple sari with a floral pattern is smiling and looking towards the camera. She is standing in a kitchen area, and a gas stove with a blue flame is visible in the foreground. The background is slightly blurred, showing a rustic kitchen setting.

Our mission

Create value from waste

Our vision

A sustainable, equitable
and empathetic world
without waste

Value proposition for farmers

CHALLENGES

- Inappropriate waste management, contamination of rivers and lakes
- Global warming
- Negative health effects

- Use of chemical fertilizers
- Changes in crop cycles

- Increase in energy costs
- Deforestation and use of wood
- Indoor air pollution due to wood smoke

SISTEMA.BIO SOLUTION

IMPACTS

- Protection of water sources and basins
- Reduction of greenhouse gases
- Reduction of sanitary risks

- Increased productivity in harvest and soil remediation
- Savings through displacement of fossil fuels and chemical fertilizers

- Self-generation of renewable energy
- Protection of forests
- Wood displacement and reduction of respiratory diseases

Competitive advantage



Durable



Easy to install



Modular

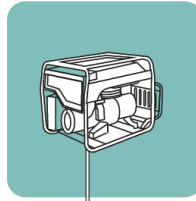
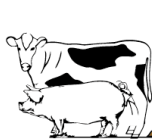


Easy maintenance

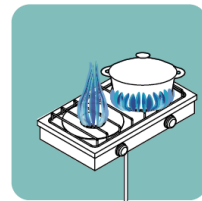


Diversity of sizes

Recives organic waste
Small medium scale farms



Biogas uses
Displaces biomass and fossil fuel



Organic fertilizer
Increases crop yield
Supports healthy soil



Reduces H₂O contamination GHG
emmission. Insects and smells

Sistema.bio 6 m³



Sistema.bio 8 m³



Sistema.bio Program Methodology





1. Awareness and Immersion





2. Diagnostic in the field





3. Capacity Building





4. Installation of the biodigester



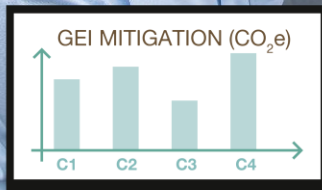


5. Monitoring



Impact measurement and Reporting

MANURE MANAGEMENT		
<input type="checkbox"/>	BOVINE	m ³
<input type="checkbox"/>	PORCINE	m ³
<input type="checkbox"/>	OVINE	m ³



Success Through Partnerships

We are proud to have the support of some of the most professional and relevant organizations in the world.

Current investors: Sistema.bio is financed through risk-tolerant capital, equity and long-term debt



Network partners: Sistema.bio benefits from professional and social networks and services



Project partners: Sistema.bio has collaborated in projects with some of the top project funders in the development space.



Impact to date



4,000+
biogas digesters installed



125,000+ ha
fertilized with biol per year



25,000+
people producing
clean-renewable energy



19.7 M m3
of biogas produced per year



40,500 ha
of trees saved per year



6.7M ton
of waste treated



85,000+ ton
of CO₂ e mitigated



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