

**MicrobeBio®**

**MICROBEBIO  
SARGASSUM  
CIRCULAR  
BIOECONOMY  
HUB – DOMINICAN  
REPUBLIC**







## **TOTAL INVESTMENT**

\$25M (INCL. 20% CONTINGENCY)

## **GOAL**

CONVERT HARMFUL SARGASSUM  
INTO HIGH-VALUE PRODUCTS WHILE  
RESTORING COASTS AND GENERATING  
NATIONAL REVENUE.





# WHAT WE DO

MicrobeBio will build and operate a 15-hectare coastal processing facility that:

- \_ Harvests sargassum using boom nets, skimmers, and trucks
- \_ Stores and dries biomass year-round in solar dryers and covered bunkers
- \_ Processes sargassum into 4 core products:
  1. Organic Fertilizer
  2. Biogas (Methane)
  3. Biochar (Carbon Capture + Soil Health)
  4. Eco-Bricks & Construction Panels



# REVENUE BREAKDOWN

(ANNUAL BY YEAR 5)

**TOTAL PROCESSED: 150,000 TONS/YEAR**

Product	Volume	Price/ton	Revenue
Organic Fertilizer	60,000 t	\$300	\$18.0M
Biogas (energy eq.)	5,000 t	\$600	\$3.0M
Biochar	10,000 t	\$800	\$8.0M
Eco-Bricks/Panels	12,500 t	\$200	\$2.5M
Gov. Fee (\$45/t)	—	—	\$6.75M
Total Revenue	—	—	\$38.25M/yr





## FINANCIAL HIGHLIGHTS

**OPEX:** \$5M/YEAR

**PAYBACK:** ~2 YEARS

**IRR:** 35–38%

**10-YEAR NET PROFIT:** \$280M+

**NPV (8%):** ~\$70M





## IMPACT

- Removes 450,000+ tons of sargassum/year
- Reduces ocean toxicity, protects reefs and beaches
- Sequesters 10,000+ tons CO<sub>2</sub> via biochar
- Creates 150 direct + 400 indirect jobs
- Boosts organic farming, eco-construction, and clean energy



**Organic  
Fertilizer**



**Biochar**



**Eco brick**



**Biogas**

**WE REQUEST**

1. 50-year free land lease (15 hectares coastal)
2. Free Trade Zone (FTZ) inclusion
3. \$45/ton government processing fee
4. Support for World Bank/CDB grant facilitation
5. Fast-track permits & interagency cooperation

# WHY PARTNER WITH US?



*Turn a coastal crisis into:*

Clean beaches

High-paying green jobs

Carbon capture credits

Sustainable Dominican exports

MICROBEBIO:

**CLEANING COASTS.**

**GROWING GREEN ECONOMIES.**





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**[www.microbebio.com](http://www.microbebio.com)**  
*[info@microbebio.com](mailto:info@microbebio.com)*

**#Microbebio #SoilMicrobiome #AflatoxinReduction #SustainableFarming #HealthySoils #FoodSafety #OrganicFarming #SoilHealth  
#ConservationAgriculture #MicrobialSolutions**

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