Reclimate

Rooted in Community, Built for Permanence

RECLIMATE BIOCHAR PROJECT

RECLIMATE.EARTH

Our story

From residue to regeneration, carbon removal from local communities on the ground

Reclimate transforms this challenge into a climate opportunity

By converting woody agricultural residues and urban green waste into high-carbon biochar, we permanently remove carbon from the atmosphere while restoring soil health for the very communities generating the waste.

Across Southeast Asia, agricultural and biomass are often left to decompose or are openly burned

By converting agricultural residues and biomass waste into high-carbon biochar, we permanently remove carbon from the atmosphere while restoring soil health for the very communities generating the waste.

Decades of mismanagement have contributed to air pollution, GHG emissions, and rising input cost burdens for smallholder farmers who are most vulnerable.

Reclimate

Our Objectives

Building Southeast Asia's Carbon Removal Infrastructure

Our vision is to establish decentralised, community-embedded biochar production across ASEAN, creating permanent carbon sinks while strengthening rural economies.

By 2030, we aim to:

- Scale high-quality biochar production across agricultural landscapes across the region.
- Empower low-income, rural and indigenous communities through green job creation
- Position Southeast Asia as a credible hub for durable carbon removal

We are building an infrastructure for the future.

OUR OBJECTIVES

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Our Location

Projects Across Malaysia

First Malaysian Biochar project registered and carbon credits issued

Operation Sites:
4 active since first launch in 2024

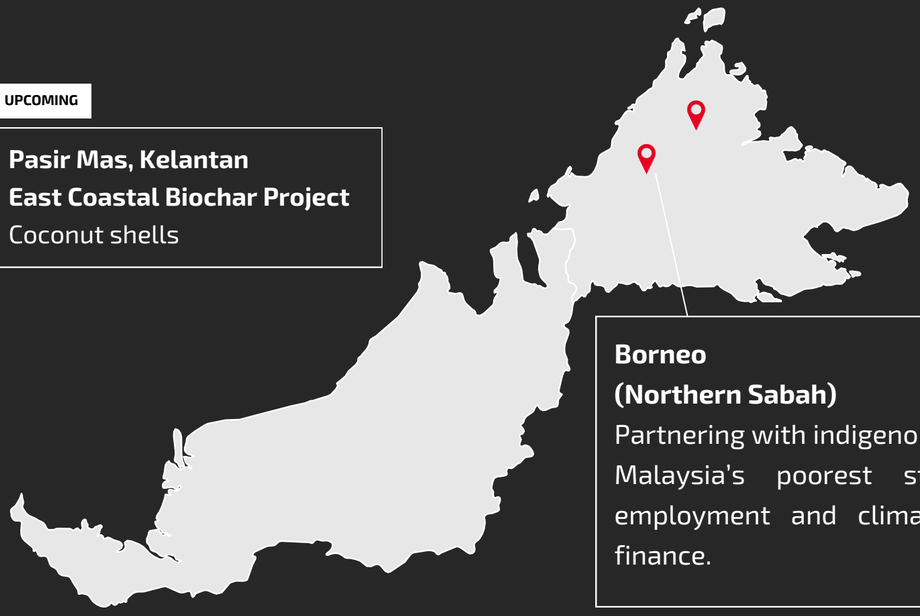
Sites:
New sites in test for 2026 launch.

UPCOMING

Kedah Rice Valley
(Northern Peninsular)
Supporting small paddy field farmers to increase soil fertility and prevent open burning

UPCOMING

Pasir Mas, Kelantan
East Coastal Biochar Project
Coconut shells



Greater Klang Valley
(Northern Selangor)
Supporting smallholders facing rising organic input costs and limited access to sustainable waste solutions.

UPCOMING

Gemas
Central Spine Biochar:
Using wood wastes and napier grass residues

Borneo
(Northern Sabah)
Partnering with indigenous rural communities in Malaysia's poorest state, creating direct employment and climate action via carbon finance.

The Greater Klang Valley Project has gone through a name change to *Soil & Flame Malaysian Biochar Projects* to better reflect our project coverage that has grown beyond GKV to Kedah, Sabah and Negeri Sembilan. The project has also completed its 2nd year of validation and verification.

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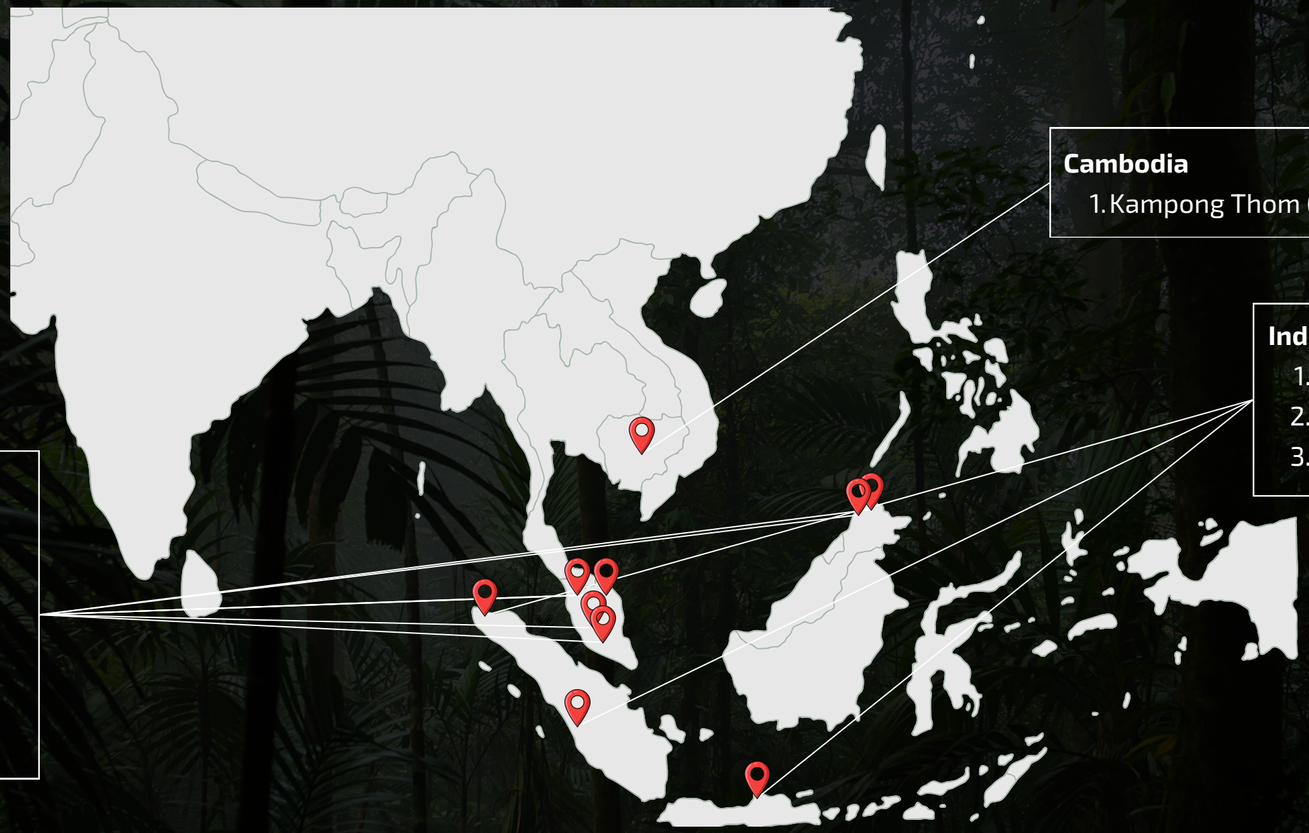
Our Location

Where Impact Matters Most

Reclimate's projects are located across key agricultural regions in Southeast Asia, supporting rural growth.



Cambodia
1. Kampong Thom (upcoming)

Indonesia
1. West Sumatra Biochar Project
2. Central Java (upcoming)
3. North Aceh (upcoming)

Malaysia
1. Sungai Tengi, Selangor
2. Kedah Rice Valley (upcoming)
3. Kudat, Sabah
4. Marak Parak, Sabah
5. Gemas, Negeri Sembilan (upcoming)
6. Kelantan (upcoming)

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PROJECT SHOWCASE

VINTAGE: 2025-2030

CREDIT AVAILABILITY: SPOT & FORWARD

Project ID
GCSP1039

Greater Klang Valley Biochar (Malaysian Flame & Soil Biochar Projects)

Located in Central Malaysia, this project is Malaysia's first biochar carbon removal project to reach operational status and achieve CDR issuance.

Location	Sungai Tengi, Selangor, Malaysia
Project Date	January 2025
Permanence	1000+
Annual Removal	2000+ tCO2e
Feedstock	Wood Waste
Carbon Content	92%
MRV	Independent & CSI-accredited dMRV system
Biochar Application	On-site soil application enriched with composts

This project is to support: 2 ZERO HUNGER · 7 AFFORDABLE AND CLEAN ENERGY · 12 RESPONSIBLE CONSUMPTION AND PRODUCTION · 13 CLIMATE ACTION

Registered under: CARBON STANDARDS international

Rated by: Sylvera

VVB: CERES CERTIFIED

Endorsed by: ICROA

Standards and Methodology: ARTISAN C-SINK

LAB-TESTED IMPACT

Reclimate

PROJECT SHOWCASE | CREDIT AVAILABILITY: SPOT & FORWARD | VINTAGE: 2026-2030

Project ID
GCSP1039

Borneo Biochar 1 (Malaysian Flame & Soil Biochar Projects)

Beyond carbon removal, the project generates meaningful regional impact. 100% of the operational workforce is locally employed from rural Sabah, creating skilled green jobs and enabling youth and indigenous people to remain within their communities rather than relocating to other cities for employment. The application of biochar also improves acidic soil conditions, enhancing agricultural productivity and supporting long-term food security across rural Sabah.

Location	Marak Parak, Sabah, Malaysia
Project Date	January 2026
Permanence	1000+ Years
Annual Removal	900+ tCO2e
Feedstock	Wood Waste
Carbon Content	90%
MRV	Independent & CSI-accredited dMRV system
Biochar Application	On-site soil application enriched with composts

This project is to support: 1 NO POVERTY, 2 ZERO HUNGER, 3 GOOD HEALTH AND WELL-BEING, 12 RESPONSIBLE CONSUMPTION AND PRODUCTION, 13 CLIMATE ACTION

Registered under: CARBON STANDARDS international

Rated by: Sylvera

VVB: CERES CERTIFIED

Endorsed by: ICROA

Standards and Methodology: ARTISAN C-SINK

LAB-TESTED IMPACT

Reclimate

PROJECT SHOWCASE | CREDIT AVAILABILITY: SPOT & FORWARD | VINTAGE: 2026-2030

Project ID
GCSP1039

Northern Borneo Biochar (Malaysian Flame & Soil Biochar Projects)

Located in Sabah, marking our first deployment in East Malaysia. The Kudat facility utilises wood residues.

Location	Kudat, Sabah, Malaysia
Project Date	January 2026
Permanence	1000+ Years
Annual Removal	900+ tCO2e
Feedstock	Wood Waste
Carbon Content	88%
MRV	Independent & CSI-accredited dMRV system
Biochar Application	On-site soil application enriched with composts

This project is to support: 1 NO POVERTY, 2 ZERO HUNGER, 3 GOOD HEALTH AND WELL-BEING, 12 RESPONSIBLE CONSUMPTION AND PRODUCTION, 13 CLIMATE ACTION

Registered under: CARBON STANDARDS international

Rated by: Sylvera

VVB: CERES CERTIFIED

Endorsed by: ICROA

Standards and Methodology: ARTISAN C-SINK

LAB-TESTED IMPACT

Reclimate

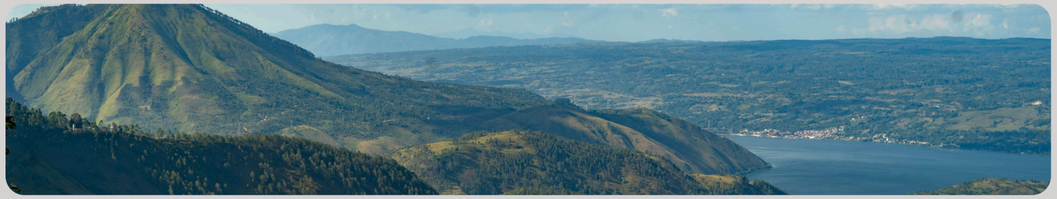
PROJECT SHOWCASE | CREDIT AVAILABILITY: SPOT & FORWARD | CREDIT AVAILABILITY: FORWARD | 2026-2030

Project ID
GCSP1288

West Sumatra Biochar (Reclimate Nusantara Biochar Projects)

Located in Padang, West Sumatra, this biochar project is developed in collaboration with a local farmers' cooperative, integrating carbon removal within one of Indonesia's major agricultural regions. The region has been suffering for decades from open burning of corn cobs that is polluting the environment and harming the local communities with poor air quality. This project will end this practice permanently and distribute high quality Biochar for free to the local farming communities to improve their agriculture yield, strengthening food security in the region while alienating poverty.

By working directly with the cooperative, the project ensures transparent feedstock sourcing and shared economic value. The initiative creates green jobs, builds rural technical capacity, and expands farmer access to high-quality organic soil amendments. In Indonesia's agriculture-driven economy, this supports soil restoration, improved productivity, and long-term community empowerment alongside measurable climate impact.



Location	West Pasaman, Sumatera, Indonesia
Project Date	January 2026
Permanence	1000+ Years
Annual Removal	2000+ tCO2e
Feedstock	Corn Cobs
Carbon Content	77% (Preliminary)
MRV	Independent & CSI-accredited dMRV system
Biochar Application	On-site soil application enriched with composts

This project is to support: 1 NO POVERTY | 2 ZERO HUNGER | 3 GOOD HEALTH AND WELL-BEING | 12 RESPONSIBLE CONSUMPTION AND PRODUCTION | 13 CLIMATE ACTION

Registered under: CARBON STANDARDS international

VVB: CERES CERTIFIED

Endorsed by: ICROA

Standards and Methodology: ARTISAN C-SINK

LAB-TESTED IMPACT

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Our solution

From Biomass to Permanence

Reclimate operates a **fully traceable, end-to-end carbon removal system**. Utilising biomass from farm residues and urban garden waste, we turn CO_2 stored in plant biomass into biochar, permanently locking carbon back into soils.

Through our rigorous monitoring, every step is tracked and every tonne is documented, ensuring that every credit we generate represents 1 tCO_2 of **permanent carbon removal.**

Biomass

Sustainably sourced agriculture and forest residues. Only absolute wastes are used to avoid interrupting food supply chain

Pyrolysis

High temperature operations above 650°c for optimal pyrolysis

Biochar

High quality World Biochar Certificate (WBC) compliant Biochar

Mixing

Inoculated with composts, animal manure or fertiliser to enrich Biochar with microbes for improved soil structure. Can also replace Mixing with Inoculation

Application

Applied back in soil in circular for permanent carbon storage and soil restoration

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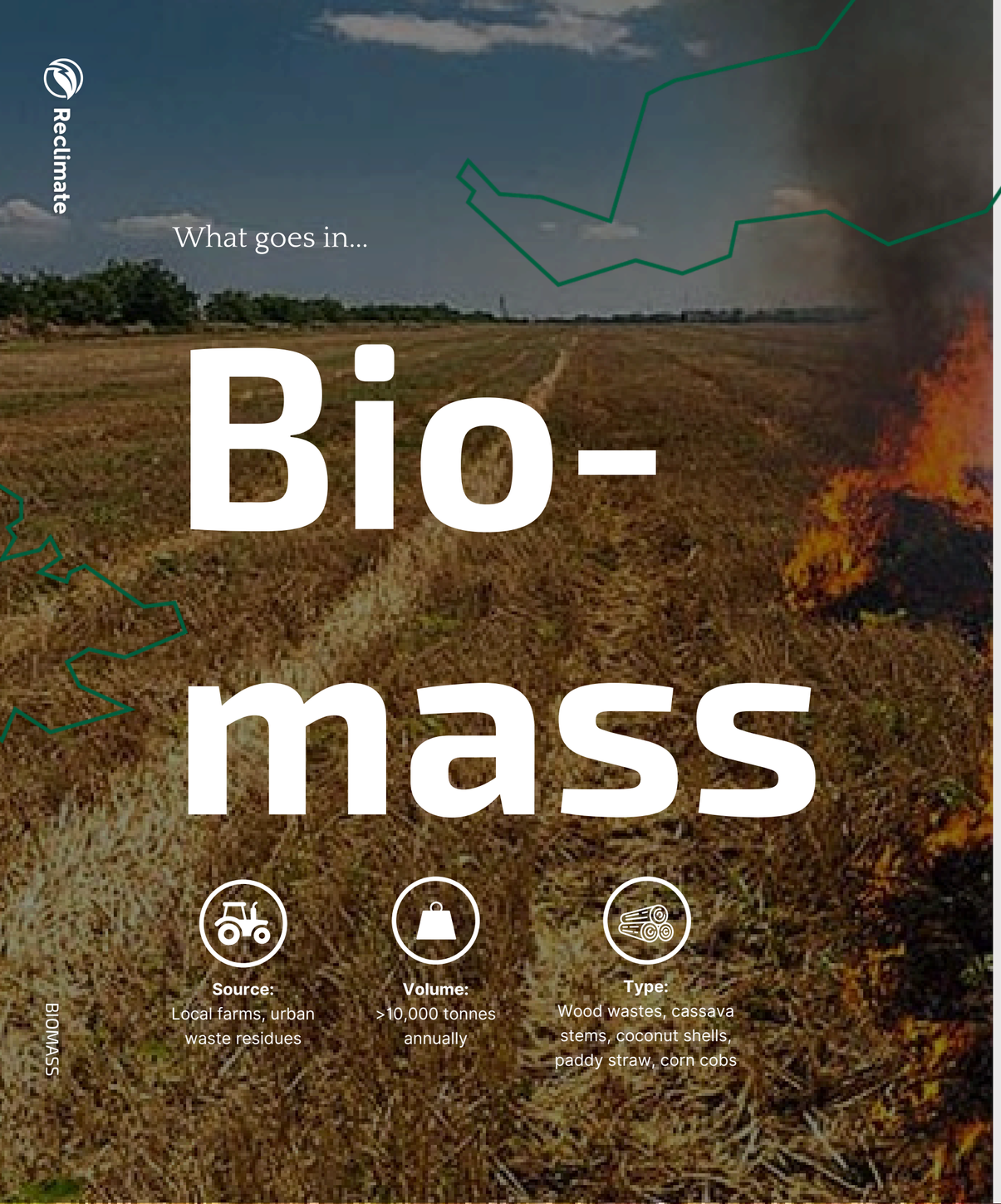
CO_2

Carbon Removal



What we divert from emissions and derive value from wastes

Agriculture has long been an essential and growing sector of the Malaysian economy. In rural areas, many farms are **family-owned or run by smallholder agricultural cooperatives**. These farmers supply essential food for the country's local supply and the global market. However, many of these enterprises face rising input costs and hundreds of tonnes of **waste material that were previously left to rot or burned in open fires**. These practices cause tremendous air pollution from the release of CO_2 and other greenhouse gases, and place a burden on farmers who cannot afford alternative waste management solutions that are cost-intensive.

To address this, Reclimate enables the local communities to instead **turn their waste into biochar**, killing two birds with one stone by turning waste into value and reducing input costs by providing biochar back to farmers for free as a soil amendment.

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THE SCIENCE

The Science

Pyrolysis

To **ensure accessibility and affordability for farmers**, our project uses decentralised, soil pit kilns that are built directly on site, reducing transport-related emissions by reducing the distance between the biomass collection and processing area. Each site is equipped with 4-6 kilns, constructed to best fit the volume of biomass per batch for each unique location.

To maintain production quality, we apply strict quality control, including the storage conditions, measurement of moisture levels before each production and dMRV monitoring to ensure tracability.

No. of Kilns:
4-6 per site

Kiln Type:
Soil pits: 1,800L (small) to 15,000L (large)

Temperature:
650-800ºC

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What comes out...

High-Integrity Biochar

Lab-tested impact

With the skilful mastery of production methods, our sites now produce premium biochar with a very low H/C ratio, indicating **high permanence lasting over 1,000 years.**

Utilising high pyrolysis temperatures, adequately pre-dried feedstock and proper controls, we are able to achieve up to 90% carbon content as of 2026, signifying high carbonisation, allowing us to lock in more CO_2 for every tonne of biomass collected.

Annual lab tests are conducted to ensure quality consistency.

Permanence: 1,000+ years

Carbon Content: 70-90%

H/C Ratio: <0.4

Water holding capacity: >250%

LAB-TESTED IMPACT

Reclimate

Where it returns...

Carbon back into Soils

CARBON SINKS

Our biochar is **reintegrated directly** into:

- Organic farms in Northern Selangor.
- Cassava and agroforestry plantations in Sabah.
- Local plantations and surrounding smallholder lands.

We have **supported soil rehabilitation of agricultural lands** across an estimated >500 hectares since the beginning of our project.

Our early field trials have indicated that **biochar can improve yields by 20-60%**, depending on soil type, while enhancing water retention and nutrient efficiency.

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Risk Mitigation

How We De-Risk Our Projects

Feedstock Security & Supply

Risk:
- Supply availability, seasonal variability

Mitigation:
- Pre-project feedstock assessment & mapping
- Multi-supplier aggregation model
- Long-term supply MOUs with mills/farmers

Technology & Operational

Risk:
- Production performance, biochar quiality

Mitigation:
- Standardised operation procedures
- Ongoing operator training & monitoring
- Annual lab tests for quality assurance

Carbon Credit Integrity

Risk:
- Compliance, credit accounting, MRV

Mitigation:
- Conservative credit issuance assumptions
- Third-party validation & verification
- Registry-compliant dMRV systems

Carbon Credit Integrity

Risk:
- Local adoption or participation

Mitigation:
- Revenue-sharing incentives
- Local partner engagement
- Capacity building and transparency

Regulatory & Policy

Risk:
- Changing regulations or local requirements

Mitigation:
- Active policty monitoring
- Legal review of project structures and design
- Geographical diversification across states and regions

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SOCIAL EMPOWERMENT

Social Empowerment

Climate Action That Uplifts Communities

Beyond carbon removal, our projects strengthen rural livelihoods by **creating green jobs and new income streams for smallholder and indigenous families** in areas where opportunity has long been limited. Biochar transforms waste into empowerment, linking local communities to global climate action.

Our mission extends further to cultivate environmental stewardship from within the community itself. Through **hands-on training programmes** bringing together youth (18–30) and experienced farmers, we foster intergenerational knowledge exchange, skill-building, and shared ownership of regenerative climate solutions.

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Management Team

Yovindra Kanezin
CEO & Co-Founder

Former Country Manager of Proptech, Ex -PayPal. University of Reading

Annamalai Thani
COO & Co-Founder

Former CEO of HR Tech, Environmental Engineering Graduate, Imperial College London

Gloria Jane Edmund
Founder's Associate

Agri-biotech specialist. Passionate about circular economy, University Malaysia Sarawak

Dr Taufik Sulaiman
Director of Advanced Tech

Former Regional Head of Renewable Energy, Ex-NanoMalaysia, University of Tokyo

Poorvi Agrawal
Head of Product & Data

Former Data Team of Goldman Sachs. Ex-Intuit, Ex-Xerox, Multiple IP Holder

Rachel Tika Aristiani
Country Manager - ID

Agronomy and agribusiness specialist. Universitas Sebelas Maret

Bridget Peter Lidadun
Biochar Specialist

Environmental & biochar technologist, Universiti Putra Malaysia

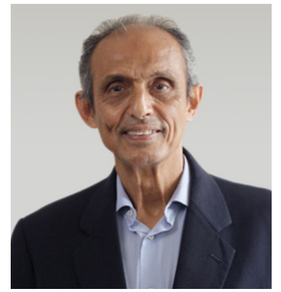
Arfiana Maulina
Communications Lead

Sustainable communications specialist, BINUS University

Advisory Board

Rufus Sorsa
Advisor

Associate Partner - Antler & Investor of various start ups



Dato' Aziz Bakar
Advisor

Co-Founder & Chairman, Sustainability Committee of AirAsia

Ian Twyford
Advisor

30 years of experience in agriculture across Asia, Australia & Africa

Reclimate

Our projects and initiatives

Recognised and supported by

GrowAsia

Microsoft

MDEC™

BURSA CARBON EXCHANGE

Climate Impact X

AIRMINERS

YAYASAN HASANAH
A foundation of Khazanah Nasional

CARBON STANDARDS international

asean

PARTNERS

Reclimate

Our Ecosystem Partners

Built on Trust and Standards

Registry

CARBON STANDARDS international

Marketplace Listings

Climate Impact X

CEEZER

carbonplace™

ICROA Endorsed

ICROA
International Carbon Reduction & Offsetting Accreditation

ARTISAN C-SINK

PARTNERS

Scaling Climate Action Democratising Climate Finance

Reclimate

www.reclimate.earth

Reclimate Sdn Bhd

Thank You

Email

yovindra@reclimate.earth

Office

Level 33a, Menara 1MK, Kompleks 1
Mont Kiara, No. 1, Jalan Kiara, Mont
Kiara 50480 Kuala Lumpur

Phone

+6 010 292 4946