



Community Development and Climate Change Action

Eileen Ortega-Gamo
**Director, Community Bamboo Development and Carbon
Removal**

Rizome PH and the circular economy

- Rizome PH, is a fully owned Filipino subsidiary of the US company and is developing a wholistic bamboo based value chain across the country.
- The value chain begins with bamboo propagation and continues through community managed bamboo growing and onwards to sustainable harvesting of mature bamboo raw materials to be manufactured into advanced engineered bamboo construction materials.



rizomebamboo.com

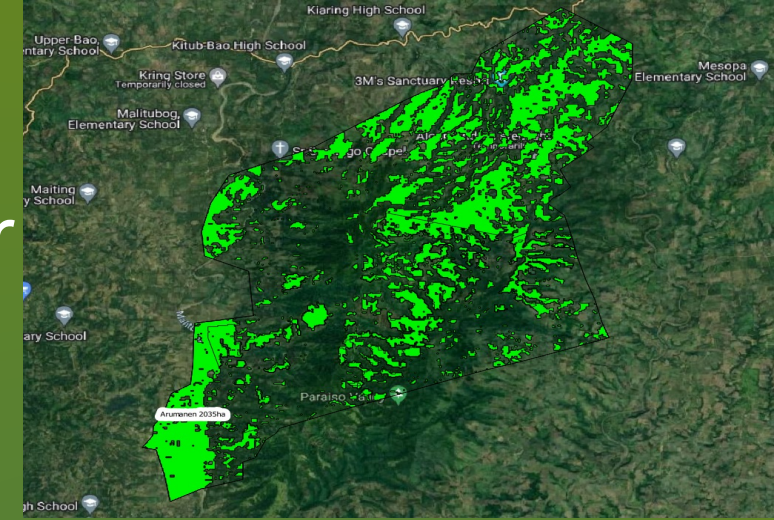
Grand Opening
Catbalogan City Airport, Samar, Philippines



Happy World Bamboo Day 2024
Next Generation Bamboo



- Stewardship of the Indigenous People's Ancestral Domain by developing the land themselves and seeing their dreams of sustainably protecting their land by growing bamboo.



- Growing bamboos VS plant and forget
- Nurturing and caring for the bamboo plants from the 1st to 4th year so that by the 7th year they can start harvesting the bamboo poles.
- These are to be bought by Rizome for the production of engineered bamboo building products.
- This addresses the problem of the future market of the bamboo poles.



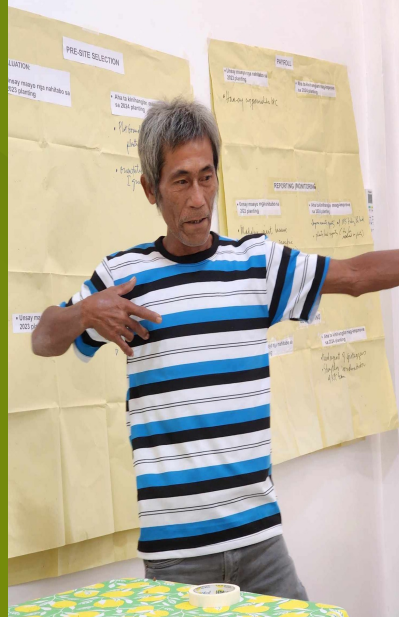
- Sustainable livelihood through jobs generation in the entire bamboo growing process (nursery, stick making, clearing, staking, holing, hauling, planting, geotagging, plant care such as watering and maintenance, finance and admin., monitoring and reporting).



- Human capital development and organizational development in all aspects of the bamboo growing program to ensure ownership of both process and outcome.



- Regularly asking the questions: What are we doing well and where can we do better? Evolving a culture of openness in difficult situations when the standards are not being followed so that it can be corrected.



The bamboo growing project is an ARR project being implemented following the Verra Standards (VM 047).

- The project aims to achieve GHG emission reductions as a result of the carbon sequestration attributes of giant bamboo or *Dendrocalamus asper*.
- GHG emission reductions will be calculated based on both aboveground and belowground biomass.
- The Verra standards include meeting the requirements of where the bamboos should be planted and how these sites are selected, how they are planted, who plants them as well as safeguards in risk management and grievance mechanisms to ensure they are in place.

The bamboo growing project is an ARR project being implemented following the Verra Standards (VM 047).

- Because we work with indigenous peoples in their ancestral domain, Verra strictly requires fully meeting the Free and Prior Informed Consent (FPIC) by IP planting partners with the National Commission on Indigenous Peoples overseeing the process.
- Key to implementing an ARR project under Verra standards is DATA! Because carbon is intangible, the buyer of carbon cannot take possession of the plants. The main "product" is data.

Using evidenced-based data to drive planning, decision making and problem solving leading to positive outcomes.

- Value of data not only for mission success in the carbon program but for *accountability* and *transparency* of operations.
- Data collection not from a compliance perspective but from ownership of its value to affect the outcome of the program.

DATE: 9/2/24

NAME	TASK	SIGNATURE
1. Adnan Urboda	Plastic Collection	
2. Agustin M. Digno	Planting of dead plants	
3. Alona Pangulima	Planting of dead plants	
4. Analiza Astor	Planting of dead plants	
5. Ariel Urboda	Plastic Collection	
6. Arnel Diyaba	Plastic Collection	
7. Decto T. Canal Jr.	Plastic Collection	
8. Dino Gansan	Planting of dead plants	
9. Elmer Cavani	Planting of dead plants	
10. Emons Agat	Planting of dead plants	
11. Francis Anangan	Planting of dead plants	
12. Fernando Jose Panuman	Planting of dead plants	
13. Gabriel Mandil	Planting of dead plants	
14. Jay Andagser	Planting of dead plants	
15. Jery Pangulima	Planting of dead plants	
16. Joel Sacayan	Plastic Collection	
17. Johnny Tacus	Planting of dead plants	
18. Joven Anislad	Planting of dead plants	
19. Joylan Mandil	Planting of dead plants	
20. Lady Jessa Saayan	Planting of dead plants	
21. Lauren Bangas	Planting of dead plants	
22. Lea Mandil	Planting of dead plants	
23. Mariel M. Libussda	Planting of dead plants	
24. Nelson Baluan	Planting of dead plants	
25. Pasayang Campong	Planting of dead plants	
26. Ramonito Baluan	Planting of dead plants	
27. Rey A. Mangcanagan	Planting of dead plants	
28. Rocky Cano	Planting of dead plants	
29. Romy Jack Taupan	Planting of dead plants	
30. Ronel Baluan	Planting of dead plants	
31. Rosemarie Angcosin	Planting of dead plants	

Libertad, Vohre lan Cesar A.
MDV

NURSERY DISPATCHED FORM
FORM 2

DATE REQUESTED: AUGUST 24, 2024
DISPATCHED DATE: AUGUST 24, 2024

TEAM: **POWERTIME BARANGAY**
TRACTOR: MOTORCYCLE: HORSE: MANUAL:

NUMBER OF PLANTS: 800 SEEDLINGS

NUMBER OF PLANTS	NAME OF AREA/LOCATION			ARRIVAL DATE
	PHASE 1 (KIARING, GAHAR, KUDA)	PHASE 2.a (LAPNISAN)	PHASE 2.b (KALAMUHING)	
800 SEEDLINGS				AUG 24, 2024

DISPATCHED BY: **ROSEMARIE ANGCOSIN** (NURSERY OFFICER)
RECEIVED BY: **EDDIE INAMPD** (IPS LEADER)
VERIFIED BY: **JENIBICA PELLER** (KPC MONITORING OFFICER)

NURSERY DISPATCHED FORM
FORM 2

DATE REQUESTED: _____ DISPATCHED DATE: _____

TEAM: _____

IPS NAME: _____

TRACTOR MOTORCYCLE HORSE MANUAL

NUMBER OF PLANTS	NAME OF AREA/LOCATION			ARRIVAL DATE
	PHASE 1 (KIARING, GAHAR, KUDA)	PHASE 2.a (LAPNISAN)	PHASE 2.b (KALAMUHING)	

DISPATCHED BY: _____ RECEIVED BY: _____ VERIFIED BY: _____

(NURSERY OFFICER) (IPS LEADER) (KPC MONITORING OFFICER)



KILAMBAY PLANTATION CORPORATION
Sayre Highway Poblacion Carmen, North Cotabato
DAILY ACTIVITY MONITORING REPORT

Date: Nov 22, 2023
 IPS In-Charged: MS FELICIANO PALAO
 Team: Kilabay Team 1
 Area: Kilabay
 Code:

Assigned Work Activity: Planting Total No. of Worker: 11 pax

- Joel Dubanon
- Roger Carandang
- Turcia Palao
- Albert Cabotig
- Jennifer Canaan
- Julito Antiyap
- Luncio Palao
- Ludencio Taupan
- Denas Palao
- Eric Manalo
- Ronald Sabling

Output of The Day:

Clearing (hectares)	
Staking	
Hole Digging	
Planting (Seedlings)	1,200 PL

Note: _____

Prepared By: MELBA M. CLAMBO Checked By: Dome

Noted by IPS: IPS FELICIANO MUA Approved by: _____

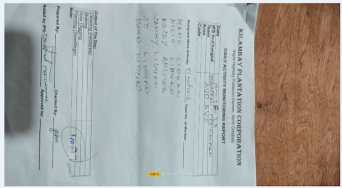
Operations Activity Report (Arumanen)

*Name
 JL
 Jecker Taupan

*Date of report
 2023-12-26

Operations report

*Photo of report
 1703759590735.jpg



*IPS Leader
 Anastasio Pendaupan Jr.
 Climacaco Manggong

*Other team name
 Avo2X

*Area
 Avo 2X

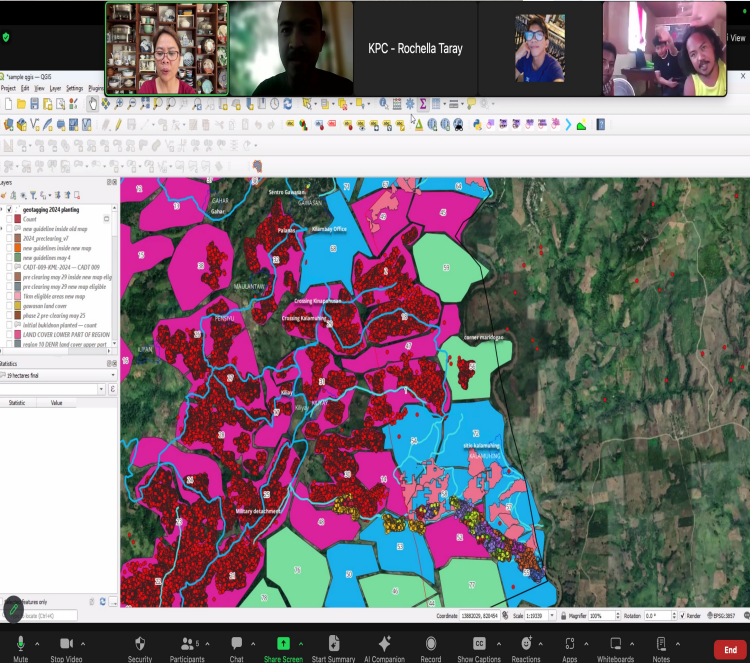
*Activity
 Staking
 Planting
 Clearing
 Hole digging
 Stick making
 Loading/unloading
 Fire breaker/plumber

*Planting Attendance
 6

*Planting output
 1039



Accountability using evidence -based data.



BEC (#13) - Geotags (2023-2024)

Type	Question	Response
	Date of Geotagging	Aug 16, 2024
	IPS	1-10
	IPS 1-10	2 - Timuey PERLITO MANDIL, SR.
	IPS 11-20	
	IPS 21-25	
abc	Data Officer Name	Ariel Urboda
abc	Planting Area	Aras arae
abc	Planting control number	JOVEN 031
123	Quantity of plants to be geotagged based on planting team leader previous day report	600

Output / Day

2023

*P. Mandit - B. House - 50 CL / 119 ST	*E. Inampo - Mikasiti - 230 CL / 499 ST
*A. Pendaupan - Gampo - 716 PL	*A. Pendaupan - Jey - 510 PL
*R. Igeasin - Kisapaan - 700 PL	*J. Pendaupan - Iyagan - 610 CL / 2020 ST
*E. Inampo - Mantalan 2 - 24 CL / 300 ST / 133 PL	*R. Igeasin - Kisapaan - 300 PL
*A. Pendaupan - P. Bato 1 - 500 PL	*E. Inampo - Ma 2 - 0 PL CL / 857 ST 26 PL
*R. Igeasin - Kisapaan - 300 PL	*D. Manggong - Domente - 300 PL
*P. Mandit - 440 PL	*P. Mandit - B. House - 120 CL / 400 ST
*C. Manggong - 700 PL	*R. Igeasin - Taupan - 110 CL / 348 ST
*F. Palao - E 2 Kilabay - 200 CL / 375 ST	*E. Inampo - Ma 1 - 2 CL / 700 ST
*N. Basaya - Basaya - 204 CL / 600 ST	*F. Palao - Kilabay 1 - 1200 PL
*E. Inampo - Mikasiti - 20 CL / 100 ST	*N. Basaya - Tabangbang - 298 CL / 1495 ST
*N. Basaya - Macatangis - 14 CL / 560 ST	*C. Manggong - P. Bato 2 - 500 PL
CL - 10.06	*N. Basaya - Basaya - 0.65 CL / 215 ST
ST - 2783	*P. Mandit - Kitaragan - 820 PL
PL - 3197	*P. Mandit - Lantapan - 1200 PL
	*D. Manggong - P. Bato 3 - 151 CL / 504 ST / 1059 PL
	*C. Manggong - P. Bato 1 - 1281 PL
	*F. Palao - Kilabay 2 - 148 CL / 600 ST
	*R. Sabling - P. Bato 2 - 271 CL / 945 ST / 1550 PL
	*N. Basaya - Macatangis - 0.96 CL / 320 ST

Deploy

BEC (#15c) - report

BEC (#15c) - Mortality Aud

BEC (#15b) - Mortality Aud Bukda

BEC (#8) - P survey (2023

BEC (#4a) -

BEC (#1) - L

Draft

Archive

Photos of live plants

123 Number of Culms

Is plant alive? **Dead**

Date of audit

Search

2023-07-28

2023-06-15

2023-06-09

2023-06-08

2023-06-07

2023-06-06

2023-06-03


2023-06-02

2023-06-01

2023-05-24

2023-05-23

2023-05-21





BEC (#13) - Geotags (2023-2024)

4055 su

Location of plants

Point	latitude (x.y °):	longitude (x.y °):	altitude (m):	accuracy (m):
P1	7.3733165	124.7229622	248.24578857421875	4.049

Photos of live plants



PREV Page 10 of 136 30 rows NEXT



Bamboo Growing and the SDG Contributions







realme Shot by TAUPAN J.

- Children are able to go to school because of the roads.

4 QUALITY EDUCATION



8 DECENT WORK AND ECONOMIC GROWTH



realme Shot by TAUPAN J.

- Workers were able to invest in motorcycles.







8 DECENT WORK AND ECONOMIC GROWTH



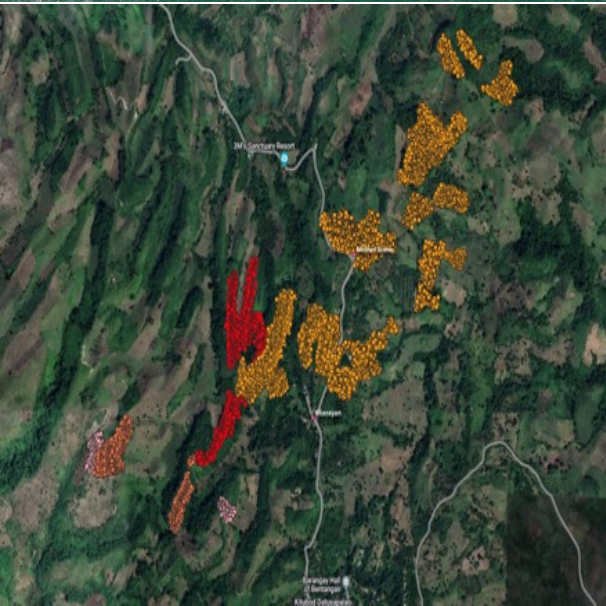
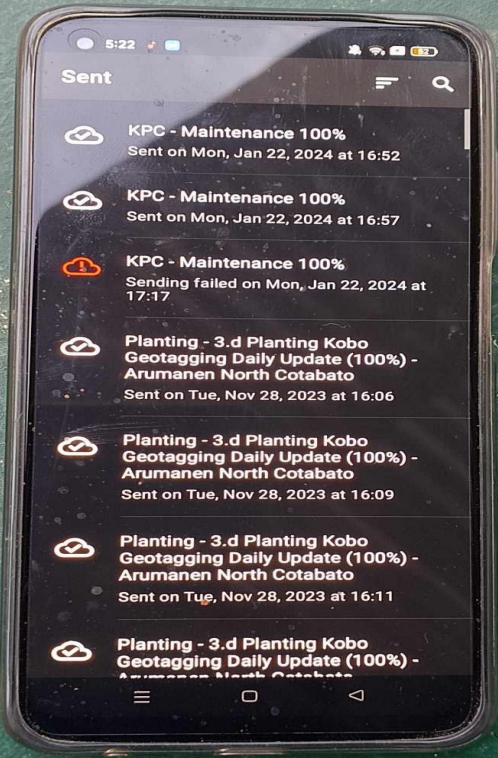
- Steady and reliable income for the family on a weekly basis.
- They are able to pay off their debt as they have regular income.
- Local traders now go up to their community because of their capacity to buy food, clothing, and household products every Friday and Sat.



8 DECENT WORK AND ECONOMIC GROWTH



- Provides employment for the community members (both graduate and undergraduate).



13 CLIMATE
ACTION



The primary impact related to SDG 13 is the positive carbon impact of the project through sequestration of a significant amount of CO₂ through the planting and maintenance of giant bamboo plants.





Intergenerational legacy Intergenerational wealth.





Thank you very much!
Daghang salamat!