



Biochar Life

An Impact Venture by Warm Heart Worldwide, Inc.

OVERVIEW FOR CSI WEBINAR



Biochar Life Overview

An impact venture of Warm Heart Worldwide, Biochar Life cools the climate by helping to remove carbon from the atmosphere while improving the lives of smallholder farmers and communities.



Our mission

- Improve the lives of smallholder farmers and their communities via income generation and food security.
- Develop a highly scalable and economically efficient solution to remove millions of tonnes of CO₂eq each year.
- Build more awareness and confidence with global stakeholders on the benefits of biochar.

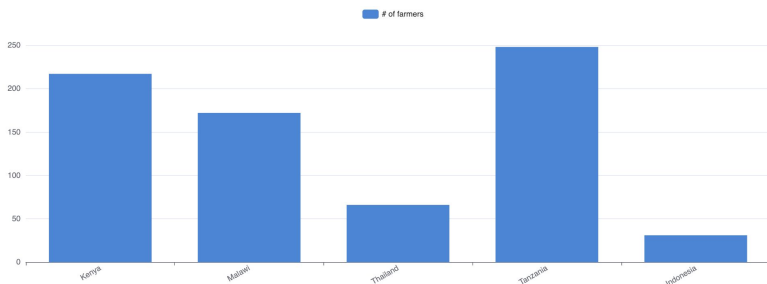
Impact to date

Countries with certified C-sink activities: Kenya, Malawi, Thailand, Tanzania, Indonesia*

734 farmers engaged with C-sink activities

1,903 t CO₂eq certified (net sink) with another 3,000 t being produced / sinked

80% of c-sink credit sales distributed to farmers and their local communities (more than \$100,000 USD).



*Joint project with Ithaka Institute.

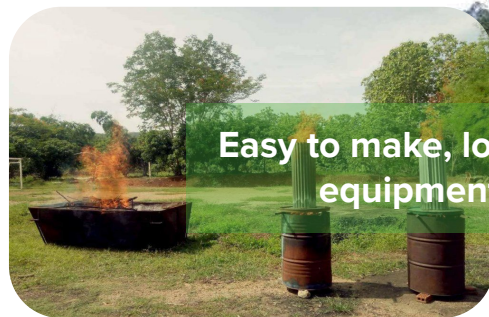


Our solution

Training, tracking and verification



Smallholder farmer training



Easy to make, low cost equipment



Certified C-sink, increased income for farmers and delicious food!



George Phiri, Fatsani Glos and Joseph William
Nkpa 1
[SLID] [Search] [Annual feed] [Fertiliser]

Zione Phiri and George Phiri
Dikobongwe-Zomba
[SLID] [Search] [Annual feed] [Fertiliser]

Gift Mwale, Chisomo Somanje, Dalireni Mphoyo, Olix Masala and Chifundo
Makumbira Village, Traditional Authority Mpononi, Chona district
[Search] [Fertiliser]

Gift Mwale, Chisomo Somanje, Dalireni Mphoyo, Olix Masala and Chifundo.

Sion Buachoom
3501100409670
[Certified]

BATCH
PICKQ7uHwLWT0IMU
VALIDATION COMMENTS
MAP

05_09_165547
REGION
Thailand

PIC OF MAKE
PIC OF BIOCHAR

Name	REGION	BIOCHAR (kg)	CERTS
Abdul Oduor	Kenya	2500.00	[SLID]
Agness Vincent	Malawi	2500.00	[SLID]
Ana Chitenge Makeni	Malawi	625.00	[SLID]
Allyson Otieno Banda	Kenya	2500.00	[SLID]
Angeline Atieno	Kenya	2500.00	[SLID]
Anne okumu	Kenya	2500.00	[SLID]
Annie Namukwaya	Malawi	2500.00	[SLID]

Detailed tracking and verification

Growth outlook

100,000+ tonnes of CO₂eq in 3 years

Build upon momentum with farmers and partners in East Africa countries.

Pipeline of pilots and partners being evaluated / implemented in Southern & West Africa and SE Asia.

Combination of C-sink farmer networks and Artisan Pro producers using various feedstocks.

Strategic partnership with PlantVillage, a global platform used by UN FAO, NORAD, USAID in over 60 countries, to support scale up and researchers (public good).



PlantVillage: a pre-competitive marketplace public good

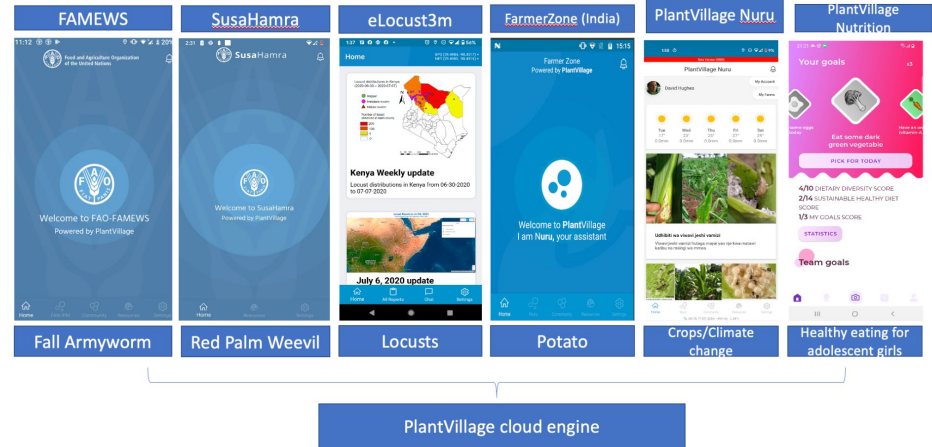
Public good that will be used to transparently store carbon.

A global platform serving crop health, animal health, nutrition studies.

Housed at a University (Penn State) so encourages scientists to use the data on effect of biochar.

Surveillance for United Nations and via PlantVillage apps

8 apps (6 Android and 2 iOS) in over 60 countries and 30 languages



- 14 million farmers reached/week in 10 countries
- Millions of records collected in >100 countries
- Satellite data integration (> 8 separate streams)
- Soil data integration
- Tracking of tree planting

- Transboundary pest tracking for UN and governments (Malawi, Uganda, Kenya)
- Engine for USAID Innovation Lab on Current and Emerging Threats to Crops (\$39 m)
- Animal health tracking (Kenya)
- Adolescent nutrition via AI (with IFPRI)



VOICES OF THOSE WE HELP

Farmer Risper

Having been making and using biochar for over a year now is Farmer Risper, who has seen improvements in his crop quality and most importantly, increased income.

Participated in our first pilot with Biochar Life to make, use and verify biochar based on the EBC standard. She is one of the farmers trained by the Warm Heart Kenya Biochar.

“

Biochar is good. It has brought wonderful results. The cowpeas are fresh and will be sold faster in the market. This in turn will give my family and I the income for our other needs. Biochar is surely a blessing to us.

Thank you!