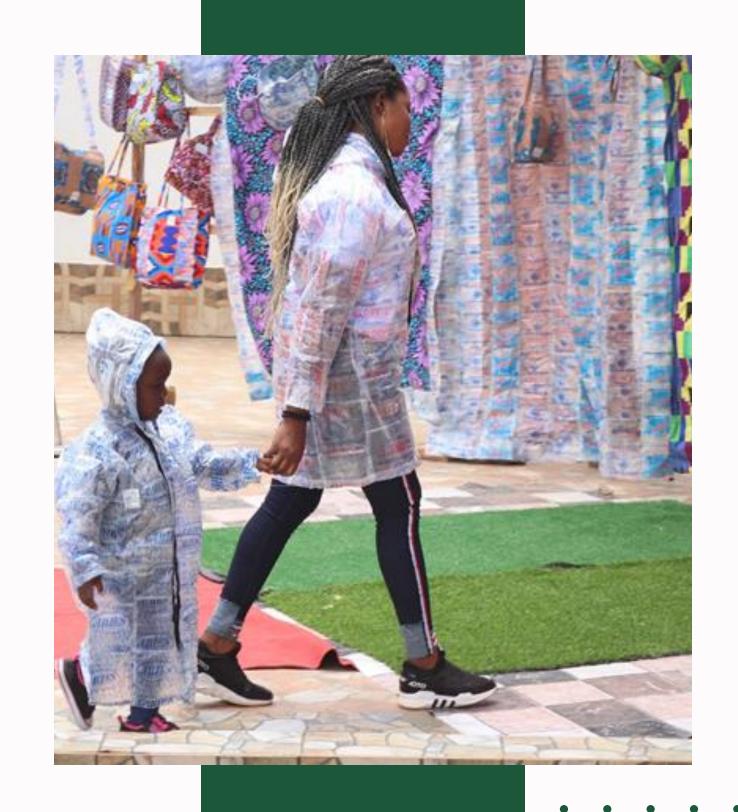




RECYCLED MATERIAL'S ROLE

in building resilience against climate risk and achieving sustainable socio-economic systems.



Content

Reflection on the global waste crisis

My Journey with waste

02

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07

Introduction to GAYO

Zero waste city models

Water 4 Adaptation/ Period Poverty

Sustainable socio-economic systems

Lessons to learn/ Conclusion



Global Waste Crisis & Impact on Communities



Daily Generation of Waste exceeds Waste Management Capacity; Ghana;12,710 Tonnes of Solid waste generated, (UNDP 2022).





Each year 13,000 tonnes of Australian Plastic waste is lost to the environs (Rumana et al., 2022)



02

03



Consequences;

Health, environmental degradation, resource depletion, and social and economic costs.



Plastic Waste Maximises the Crisis;

But hope is in community-driven 🔨 💢 🔨 initiatives, recycling efforts and innovative solutions that empower local action



04

My Journey With Waste

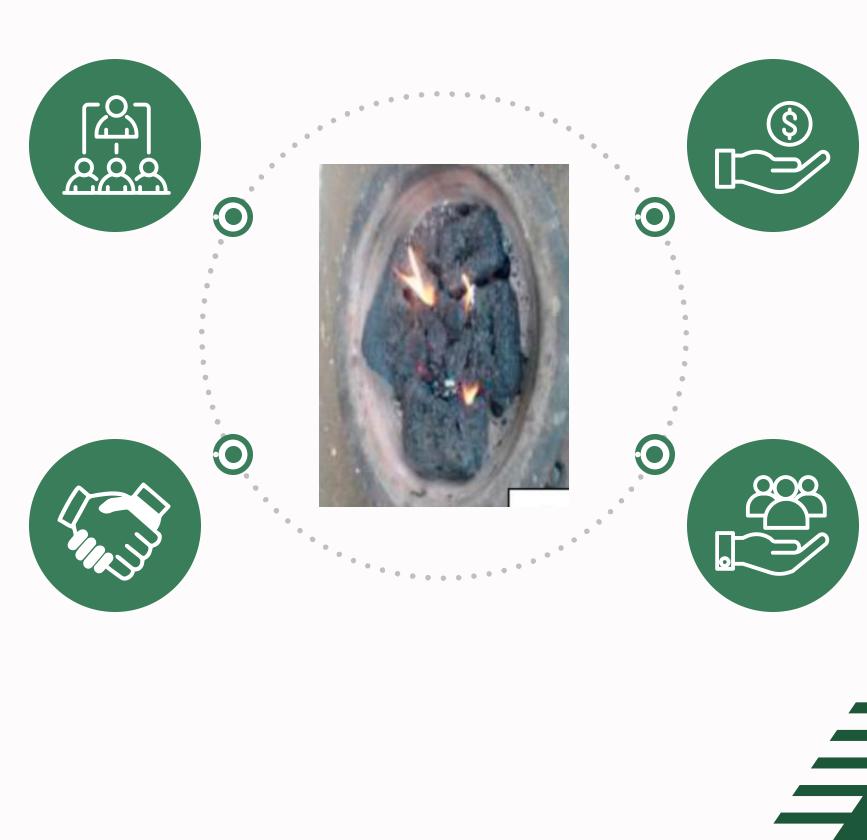




Betty Osei Bonsu^{a,*}, Mohammed Takase^{a,**}, Jones Mantey^b

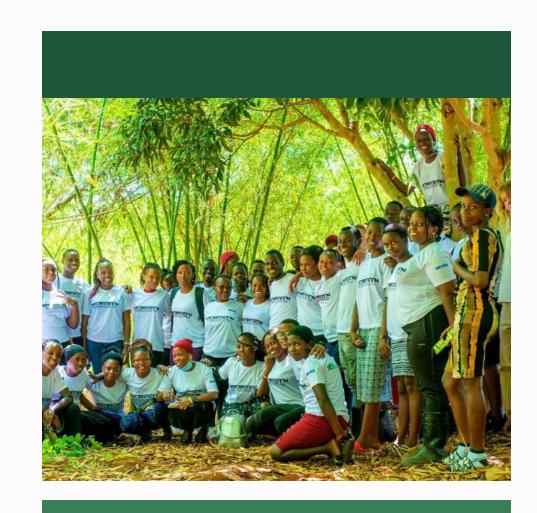
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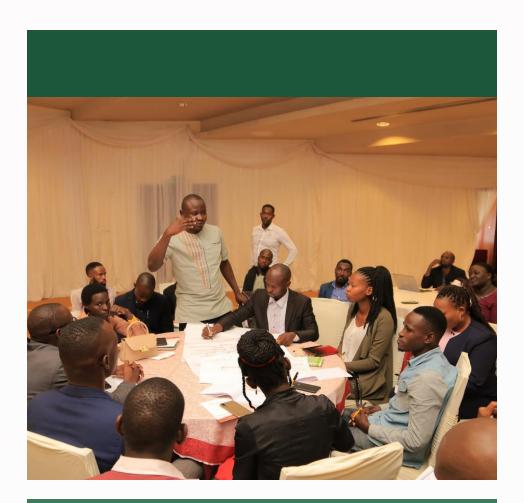


in Ghana

INTRODUCTION TO GAYO



50 employees, 7000 volunteers, 10



Projects; Ghana, Uganda, Kenya, Botswana, and Mali



Youth, Women,



This model diverts waste from oceans, mangrove ecosystems,

and landfills, significantly reducing methane pollution and

enhancing city resilience.



Influencing Policy
Zero Waste Strategy;
proper waste management

guide for municipalities.

Capacity Building & Job Creation
Plastic recycling, urban garden,
composting, Mushroom farming etc.



Infrastructure and Enabling Systems

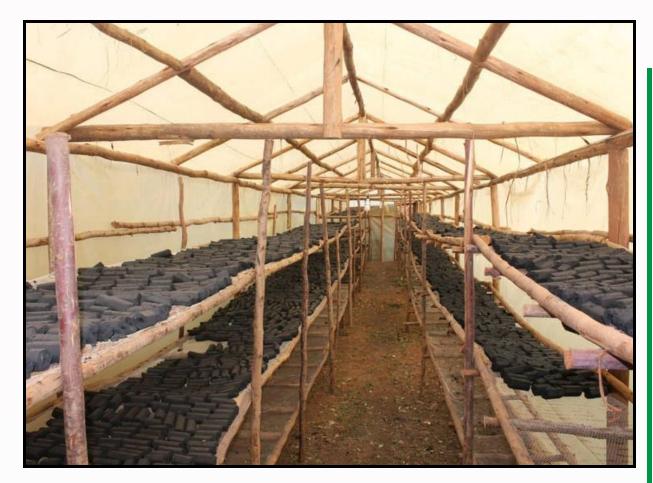
Material recovery facility, buyback centres, coinbased refillable water dispenser stations etc.



Advocacy

Empowerment, Behavioural Change and Education.

ZERO WASTE COMMUNITY PROJECTS



Charcoal Briquette From Agricultural Waste









Organic Compost

Urban Garden

ZERO WASTE COMMUNITY PROJECTS



Upcycled Plastic Satchet





MRF- Loading to Recycling Centers





Plastics Recovery

Women weaving native caps

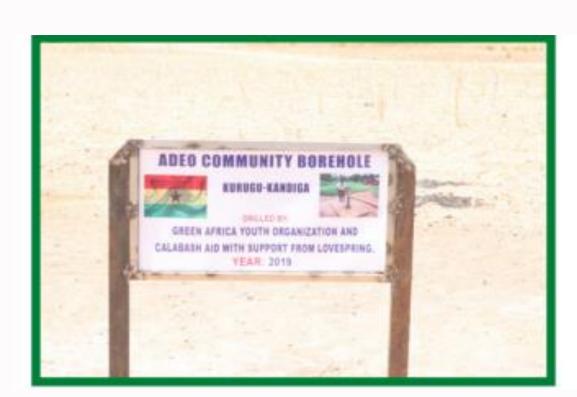


Finished caps exhibited; community durbar 08

Water 4 Adaptation and Period Poverty

Engineered solar-powered mechanized drilled wells, combat period poverty, and offers green skills development training for women.

15
Women trained on the production of sanitary pads









Achieving sustainable socio-economic systems

01

Empowerment; More than 3000 waste pickers supported.

Youth awarded seed funding for innovative projects.

02

Upscale of Small Medium Scale Enterprise; Ghana; 10 tons Organic Waste Monthly Plastics; 9 tons monthly Uganda; 8 tons Agricultural Waste

03

Cost Cutting; Municipal Assemblies, partners, and institutions, Markert women

04

Reduction in flooding occurrences; chocked gutters, less littering







1st Runner up for the ACAIC Project at the Africa Climate Week in Nairobi.







Ongoing capacity building for informal waste speakers at the MRF.

Stepping Stone

B.INSPIRED WITH STORIES FROM AFRICA









Organize events to foster social and environmental

100 stories, 5000 subscribers, 15 African countries, 10 young journalist

LESSONS TO LEARN/ CONCLUSION







THANK YOU



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