

GHANA
NATIONAL PLASTIC
ACTION PARTNERSHIP



Plastic Action Initiative Tracker

JULY 2022

© 2022 Global Plastic Action Partnership, a multistakeholder platform for impact created by and hosted at the World Economic Forum. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, including photocopying and recording, or by any information storage and retrieval system.

Contents

4	Introduction
5	Ghana National Plastic Action Partnership
6	A system-change approach to eradicate plastic pollution
8	Driving implementation across six impact areas
12	1 Promote Inclusivity
22	2 Inform Policy
32	3 Unlock Financing
40	4 Transform Behaviour
50	5 Boost Innovation
56	6 Harmonize Metrics
62	The way forward
64	Acknowledgements



globalplasticaction.org/countries/ghana/



ghana@globalplasticaction.org



[@GhanaNPAP](https://twitter.com/GhanaNPAP)



Ghana Plastic Action Partnership



[@GhanaNPAP](https://www.instagram.com/GhanaNPAP)



[@GhanaNPAP](https://www.facebook.com/GhanaNPAP)

Endorsements

The Ministry of Environment, Science, Technology and Innovation, on behalf of the Republic of Ghana, is committed to identifying and implementing long-term, sustainable solutions for plastics pollution. We believe this can be achieved with the co-benefits of creating good jobs for Ghanaians, preserving our valuable natural resources, and protecting our beautiful environment, especially the ocean and beaches. This first edition of the Plastic Action Initiative Tracker seeks to highlight and celebrate ongoing initiatives by different partners across the country to ensure that we achieve this shared goal of a Ghana free from indiscriminate plastic waste. MESTI acknowledges and congratulates the important and innovative work that Ghanaians are leading across the country in this shared fight. It is, therefore, my firm belief that this report will inspire actors across the plastics and waste management sectors to work together to scale existing solutions to reach more areas of the country, increasing the shared benefits of jobs, economic activity and a healthy environment.



Honourable Dr. Kwaku Afriyie

Minister of Environment, Science, Technology and Innovation

The Plastic Action Initiative Tracker is a testament that cross-sectoral interventions are required to ensure sustainable plastic waste management. I hope that this publication inspires you to take action in support of the implementation of the Ghana National Plastic Action Roadmap for the eradication of plastic pollution in Ghana by 2040. This can only be achieved if each of us play our part.

Nestlé Ghana Limited commits to support the implementation of actions for marginalized groups through our Project Tricycle.

A handwritten signature in black ink, appearing to read 'Georgos Badaro', written in a cursive style.

Mr. Georgos Badaro

Managing Director of Nestlé Ghana Limited

Introduction

This first edition of the biannual Plastic Action Initiative Tracker is intended to serve as a reference point for the many varied and exciting initiatives happening on the ground across Ghana to address plastic waste and pollution.

Additionally, this tracker maps progress against the 74 recommended actions of the [Ghana National Plastic Action Roadmap to Eradicate Plastic Pollution](#) (2021) across the plastics value chain, highlighting the important work of six multistakeholder, thematic task forces covering policy, financing, inclusion, behaviour, innovation and metrics.

There's no silver bullet, and we all have a responsibility to act

Preparing the path to a circular economy requires coordinated action sustained over decades. This biannual tracker will regularly gauge the progress of action to address plastic waste. It will assess if efforts are on track and determine whether ongoing initiatives are tackling issues across the entire value chain or if future efforts should be targeted at neglected areas.

We hope this biannual Plastic Action Initiative Tracker inspires others to take action and partner with organizations already actively working on solving the problem of plastic pollution.

Ghana National Plastic Action Partnership

The [Ghana National Plastic Action Partnership \(Ghana NPAP\)](#) was established in 2019 in collaboration with the Government of Ghana under the leadership of the Ministry of Environment, Science, Technology and Innovation. It aims to support the development of a circular economy framework as the primary mechanism for reducing plastic waste and plastic pollution in the country. In that regard, NPAP Ghana acts as the national platform for multistakeholder cooperation, facilitating initiatives and funding to scale up and accelerate in-country partnerships that address plastic waste and pollution, while also contributing to the nation's progress towards achieving many of the Sustainable Development Goals.

At the [launch of the Ghana NPAP](#) in October 2019, President Nana Addo Dankwa Akufo-Addo pledged to achieve zero plastic leakage into Ghana's ocean and waterways: "Ghana, after this process, will make best efforts to be a model for other countries in the region and on the continent on issues related to plastic management."

NPAP Ghana published a [national plastic action roadmap](#) in December 2021 to provide a clear pathway to eradicate plastic pollution in the marine environment and other water bodies by 2040. The roadmap presents a comprehensive suite of actions for Ghana to deliver on its ambitious goals to eliminate plastic waste pollution.



A system-change approach to eradicate plastic pollution in Ghana by 2040

National target: eradicate plastic pollution by 2040

Despite major commitments from the government, industry and civil society to address their environmental impacts, under a business as usual (BAU) scenario, plastic leakage into the country's water bodies is projected to grow by 190% between 2020 and 2040 to 228,000 tonnes per year.

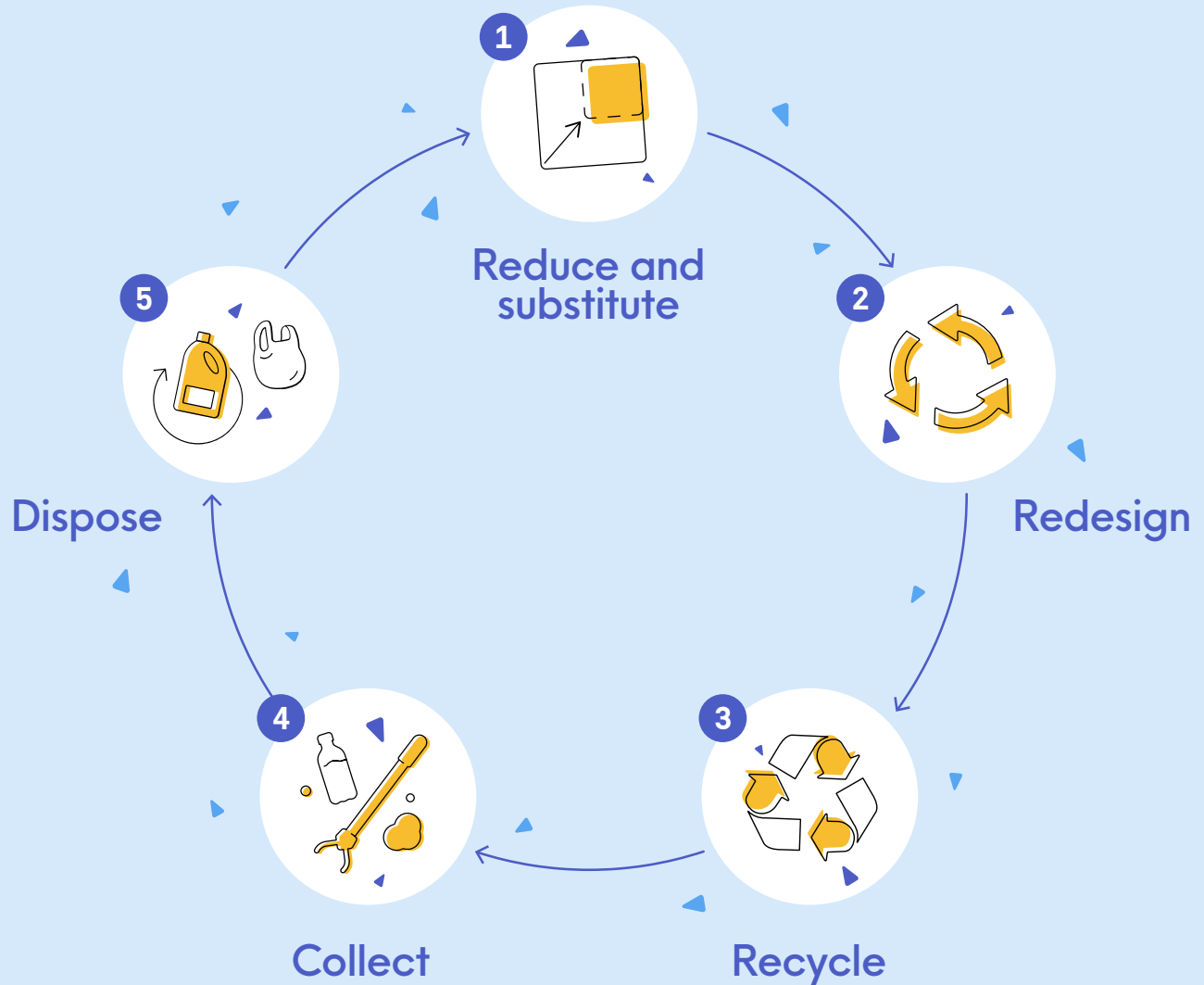
To solve this plastic leakage problem, a system-change scenario (SCS) requires multiple upstream and downstream solutions to be implemented concurrently, ambitiously and urgently.

Transforming the plastics sector requires change to be both systemic and systematic.

System-change scenario by 2040

- 1 **Reduce and substitute** plastic usage to restrict year-on-year growth in the consumption of plastic-based materials.
- 2 **Redesign** plastic products and packaging for reuse or high-value recycling.
- 3 **Recycle** plastic waste by developing formal recycling facilities, increasing the involvement of informal and private sector players and collecting more source-segregated dry waste.
- 4 **Collect** more plastic waste by boosting state-funded, informal and private sector collection systems.
- 5 **Dispose** of all residual waste in environmentally engineered facilities to safely manage and prevent leakage of plastic waste.

System-change scenario





190%

Under a business as usual scenario, plastic leakage into Ghana's water bodies is projected to grow by 190% between 2020 and 2040

Driving implementation across six impact areas

Task Forces have been established to lead six thematic areas and offer strategic advice on any related issues that may emerge. The recommendations developed by Task Forces are then discussed by a full Technical Committee that defines the decisions and actions to be taken, unless the matter requires review by the Steering Board.

Promote Inclusivity

Aim

Ensure equity and inclusivity in the design and implementation of solutions to tackle plastic waste and pollution.



Main outcomes

- Inclusive perspectives adopted
- Inclusive data generated
- Diverse stakeholders engaged

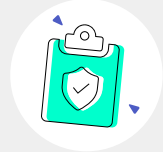
Role of the Task Force

- Develop a national gender strategy
- Champion inclusivity across all NPAP activities and Task Forces
- Identify opportunities to engage diverse stakeholders to shape solutions
- Report to NPAP Steering Board on a quarterly basis

Inform Policy

Aim

Identify opportunities to create an enabling environment in support of addressing plastic pollution and waste.



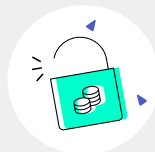
Main outcomes

- Data analysis generated
- National guidance developed
- Policy development supported

Role of the Task Force

- Map the current national policy framework regarding plastics
- Identify gaps and opportunities, and draft recommendations for action
- Collate recommendations from Task Force members
- Develop suite of policy recommendations
- Report to NPAP Steering Board on a quarterly basis

Unlock Financing



Aim

Encourage efforts to remove policy barriers to investments in the circular economy for plastics, and attract investments in sustainable solutions.

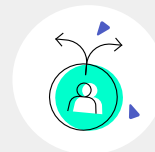
Main outcomes

- Enabling environments advanced
- Broad networks created
- Investment diversified

Role of the Task Force

- Map investible projects
- Catalogue different financial organizations' interests and challenges
- Coordinate financing partners to deliver on the financing roadmap's recommendations
- Identify the policy barriers impeding investments in the circular economy for plastics
- Report to NPAP Steering Board on a quarterly basis

Transform Behaviour



Aim

Promote initiatives that help consumers and businesses form a more sustainable relationship with plastics.

Main outcomes

- Personal action mobilized
- Government incentivisation encouraged
- Business action inspired

Role of the Task Force

- Map positive consumer choices and waste management behaviours across the value chain
- Identify opportunities to transform behaviour and increase participation in reduction, reuse and recycling programmes
- Connect with informal sector representatives and identify ways in which the NPAP can support their efforts through collaborative engagement across the NPAP community
- Identify case studies and local examples of social enterprises, diverse leadership and inclusive approaches to behaviour change
- Report to NPAP Steering Board on a quarterly basis

Boost Innovation

Aim

Support and promote innovative solutions that tackle plastic waste and pollution in priority countries



Main outcomes

- Innovators uplifted
- Innovative solutions scaled
- Collaboration increased

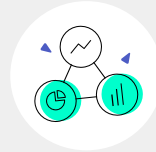
Role of the Task Force

- Map innovations, ventures and projects linked to the national action roadmap
- Identify innovation barriers and potential solutions
- Identify collaboration opportunities across the mapped innovations, ventures and projects
- Identify gaps in the market for sustainable technologies
- Report to NPAP Steering Board on a quarterly basis

Harmonize Metrics

Aim

Align with key stakeholders on metrics and standards for measuring plastic waste and pollution



Main outcomes

- Gender-specific data generated
- Data analysis improved
- Consistent standards cultivated

Role of the Task Force

- Map the initiatives that entail data collection and data sets related to the system scenario analysis
- Identify collaboration opportunities across data platforms to further develop the baseline and track progress
- Report to NPAP Steering Board on a quarterly basis



Impact Area 1

Promote Inclusivity

Objective



Ensure equity and inclusivity in the design and implementation of solutions to tackle plastic waste and pollution.

Priorities

- ➔ Develop a national database of informal waste pickers, collectors and recyclers
- ➔ Develop stakeholder guidelines for informal sector integration
- ➔ Capacity building for informal actors and NPAP platform members

Task Force Membership

Public sector

Ministry of Gender, Children and Social Protection

Ministry of Sanitation and Water Resources

Academia

University of Cape Coast

Private sector

Nestlé Ghana Ltd

Jekora Ventures

Coca-Cola

Miniplast

Environmental Service Providers Association

International organizations

Global Affairs Canada

Civil society

rePATRN

Asase Foundation

Footprints Africa

Kpone Landfill Waste Pickers Association

Green Africa Youth Organisation

Borla Taxi Association

Women in Informal Employment Globalizing and Organizing (WIEGO)

Environmental Justice Foundation (EJF)

Plastic Punch

Environment360

Promote Inclusivity: Workplan

Activities	2022	2023
Improve mainstreaming of gender issues across all impact areas		
Mainstream gender across workplans of Task Forces	Q1 – Q3	
Develop an intersectional strategy	Q2 – Q4	
Build capacity for NPAP members to mainstream gender across value chain	Q1 – Q3	
Integrate informal sector actors		
Organize informal workers into cooperatives	Q1 – Q3	Q2
Develop stakeholder guidelines for the integration of waste picker associations and groups	Q2 – Q4	Q1 – Q3
Create industry training programmes targeting the informal sector		Q1 – Q3
Build the capacity of informal actors and other stakeholders on inclusive Extended Producer Responsibility (EPR) schemes	Q3	Q4
Improve welfare of informal actors		
Build capacity of informal actors to tender for formal sector contracts		Q4
Support marginalized groups with tools and logistics		Q4 – Q1
Create national database of informal waste pickers, collectors and recyclers	Q1 – Q3	Q1 – Q3
Organize occupational health and safety training for dumpsite plastic waste pickers		Q1 – Q3

Promote Inclusivity: Needed Action

Reduce and substitute

▶ **Implement existing policies in a gender-responsive and inclusive manner**

- Adopt an inclusive EPR scheme
- Introduce targeted public awareness campaigns for the reduction of plastic use



Redesign

- Design solutions to incorporate intersectional gender analyses



Recycle

▶ **Create social protection schemes for informal sector waste workers**

- Set up industrial hubs for plastic waste recycling at the regional or district level, targeting equal representation
- Create industry training programmes targeting the informal sector and women

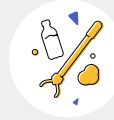


Collect

▶ **Develop gender and inclusivity guidelines**

▶ **Design training programmes to create opportunities for the most marginalized groups**

- Map, engage and organize informal workers into associations and cooperatives
- Support marginalized groups engaged in plastic waste collection with needed equipment
- Train women and informal plastic waste collectors as citizen scientists to support data collection
- Design organizational capacity-building training and opportunities for women and informal plastic waste collectors



Dispose

- Institute measures to bring all dumpsites up to standard sanitary conditions
- Provide health and safety facilities and organize occupational health and safety training for waste pickers at waste treatment sites



▶ **Critical accelerator to unlock a circular economy for the plastics and waste sectors**

Trashy Bags



Trashy Bags Africa: Collects over 200,000 plastic water sachets each month, that are cleaned and upcycled into fashionable, iconic and useable products. Trashy Bags Africa works directly with plastic waste collectors around Accra and employs 30 skilled staff at its factory. The organisation also collaborates with charitable organisations in Ghana, providing school bags with vital educational materials to school children throughout the country.

Trashy Bags 




Nestlé Ghana



Project Tricycle was initiated by Nestlé Ghana Ltd in partnership with the 'Pure Water' Waste Collectors Association and in collaboration with Ministry of Environment, Science, Technology and Innovation to increase collection of plastic waste for recycling. The Project started in 2019 and has progressively donated, 40 tricycles and helmets, more than 2,000 waste picking tools and other protective gear to the collectors.

Additionally, every year, Nestlé organizes safety and health training for the pickers and collectors. Since the project's inception, over 5,000 metric tons of plastic waste have been collected for recycling. Nestlé will scale up the project by donating more tricycles and safety gear, as well as partnering with more aggregators and recyclers in Ghana.

Project Tricycle 

City Waste Recycling



City Waste Recycling is a thriving woman-led Ghanaian business, reducing plastic pollution, contributing to climate action and improving livelihoods. The company now recycles over 500 metric tons of waste plastic into clean pellets per year and employs about 600 people.

City Waste Recycling 

>500

metric tonnes of waste plastic are recycled into clean pellets per year at City Waste Recycling

Promote Inclusivity: Case Studies

DOW



DOW is partnering with the YALI Regional Leadership Center West Africa, Accra to train 48 young Africans in sustainable waste management. Dubbed the DOW/YALI Accra RLC Design Challenge on Sustainable Waste Management, the collaboration will provide intensive training and learning opportunities for participants and foster collaboration across West Africa. Winners receive a \$10,000 grant and twelve months of mentorship.

DOW partners YALI



Waste Or Create Hub



Waste Or Create (WoC) Hub is Africa's First Eco-Innovation and entrepreneurship center bringing people together to create radical innovations to solve some of the biggest environmental and climate change problems.

WoC is the convener of the African Recycle Symposium and Fair with sites in 3 countries across West Africa and the founding and managing team of Africa's first green commerce platform, Circular Place in collaboration with MasterCard Foundation which was developed to make eco-friendly products and services easily accessible and preferable. WoC combines principles of sustainability with STEAM education in an engaging, alternative, and skills-based approach to develop the talent for the businesses and industries that will shape the future of tomorrow.

Waste Or Create



Global Affairs Canada



Global Affairs Canada through its Field Support Services in Ghana, provided technical support to the Ghana NPAP for the development of a [Gender Analysis of the Plastic Waste Sector](#) that examines the gender roles, barriers, and impacts across the plastics value chain. The Gender Analysis was followed by the development of an [Intersectional Gender Equality Strategy](#) that aims to provide a framework to guide gender mainstreaming in all of NPAP's work.

Global Affairs Canada





Women in the Informal Economy Globalizing and Organizing (WIEGO) ↗

WIEGO supports, strengthens and connects organizations of waste pickers to enable them to amplify their collective voice in the policy-making and rule-setting bodies that affect their work and lives. WIEGO conducts and sponsors research and helps [improve official statistics](#) on informal employment and the informal economy to increase the visibility of workers in this sector.

WIEGO has supported female and male waste pickers at the Kpone landfill site to undertake pilot waste collection exercises in the Kpone community. This work has informed subsequent engagement with community residents, traditional and elected leaders as well as municipal authorities. Results from the pilot collection exercises have been used to develop a proposal to advocate for a waste collection contract between the Kpone Waste Pickers Association and the Kpone Municipal Assembly. Additionally, they will require infrastructure such as a sorting centre, and other equipment like tricycles to enable them effectively implement the proposal.

After the second pilot waste collection exercise, 30 female and male waste pickers were able to collect about 1.7 tonnes of plastic (14.2%), organic (66.3%) and non-recyclable (19.5%) wastes from households. If the goal of securing a waste collection contract for the waste pickers' cooperative is achieved, the project will provide alternative livelihoods and decent working conditions for female and male members of the Kpone Waste Pickers Cooperative.



Opposite (p18) and above: WIEGO, Dean Saffron

Green Africa Youth Organization

Green Africa Youth Organization (GAYO), is a youth-led gender-balanced advocacy group that focuses largely on environmental sustainability and community development

The Sustainable Community Project (SCP) is the first community-based circular economy model in Ghana that is being replicated in other communities in Africa. The project is in three folds, with a member of the community leading each of the three activities as an entrepreneur:

- **Composting:** producing compost for young farmers through the collection of organic and agricultural waste within the community. The project collaborates with waste pickers to gather organic waste from markets and food stores. Their waste is composted using local composting methods and sold to farmers at an affordable rate to generate income for the waste pickers and the compost-making entrepreneurs.
- **Recycling Arts:** producing durable bags and other domestic items from plastic waste and providing free training to unemployed young girls. Through this, they are able to generate income through sales.
- **Charcoal Briquette:** Producing briquette from agricultural waste as a replacement for wood fuel. The traditional charcoal production from wood is leading to large-scale deforestation and threatening the ecological health of the forest ecosystem. Additionally, cooking with wood fuel is affecting the health of women due to the high rate of indoor air pollution from burning wood.

Over the years, the success of the Sustainable Community Project has been scaled to other regions including the Abuakwa Municipality and the Greater Accra Region. In Accra, the project is currently diverting waste from landfills, influencing policy through the developed Zero Waste Strategy, and supporting communities to spearhead effective waste management practices while creating green jobs. This project, implemented in partnership with the La Dade Kotopon Municipal Assembly (LADMA) and other stakeholders has spurred multilevel partnerships and attracted funding including the Sustainable Enterprise-driven Solution to Plastic Management project spearheaded by the UNDP GEF, Small Grants Program. Currently, in partnership with other stakeholders, the project has diverted 7000kg of plastics (PET/LDPE/HD/PP/ALU) from the community to the material recovery facility and piloted an urban farm from the produced organic compost with recycled plastics (bottles, sachet, cans, gallons).

Capacity building for Environmental Health Officers To assist the Municipal Assembly in effectively delivering their mandate, health and safety training focusing on plastic management laws and regulations was organized to train the project management team and Environmental Health Officers with the required skills to spearhead education among community residents on waste management.



Other information:

The Zero Waste Strategy



Impact Area 2

Inform Policy



Objective



Identify opportunities to create an enabling environment in support of addressing plastic pollution and waste.

Priorities

- ➔ Standards for recycled content in food and beverage adopted by 2023
- ➔ Extended producer responsibility scheme in place by 2024
- ➔ Gradual phasing out of problematic plastics starting in 2025

Task Force Membership

Public sector

Ministry of Environment, Science, Technology and Innovation

Ministry of Sanitation and Water Resources

Ministry of Local Government and Rural Development

Ministry of Health

Environmental Protection Agency

Ghana Standards Authority

Food and Drugs Authority

Ghana Statistical Service

Consumer Protection Agency

Council for Scientific and Industrial Research

Accra Metropolitan Assembly

Ghana Revenue Authority

Private sector

Food and Beverage Association of Ghana

Ghana Recycling Initiative of Private Enterprises

IRECOP

Cyclos

City Waste Recycling

Environmental Service

Jekora Ventures

Providers Association

Association of Ghana Industries

Coca-Cola

Guinness Ghana Breweries

Veolia Ghana

Mohinani Group

rePATRN

Unilever Ghana

Civil society

WIEGO

Green Africa Youth Organization

WRAP

International organizations

World Bank Group

Plastic Producer Responsibility Organization

United Kingdom Foreign Commonwealth Development Organization

European Union

UNIDO

GIZ

Activities	2022				2023			
Gradual phasing out of problematic and unnecessary plastics								
Finalize scope and baseline					Q1			
Understand consumer behaviour						Q2		
Assess market ready alternatives							Q3	
Conduct industry consultations								Q4
Develop an action plan for phasing out problematic plastics								Q4

Extended producer responsibility								
Vision setting			Q2					
Evidence gathering				Q3				
Stakeholder workshop					Q4			
Scheme design						Q1		
Workable draft for government approval (MESTI)							Q3	
Implementation plan and PRO								Q4

Standards for recycled content								
Budget and cost sharing			Q2					
Complete development of standards				Q3 – Q4				

Inform Policy: Needed Actions

Reduce and substitute

- ▶ **Develop and implement an EPR scheme**
- ▶ **Gradually phase out problematic polymers and products**
- Implement policy to charge for single-use plastic bags
- Discourage the importation of non-recyclable plastics
- Reduce reliance on single-use plastic applications



Redesign

- Promote the importation of recyclable plastics
- Create policy and standards for reuse and refill models
- Incentivize technologies and know-how that encourage reuse and refill



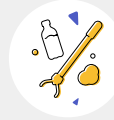
Recycle

- Acquire land for plastic-waste recycling facilities in accessible areas
- Introduce legislation for domestic and industrial waste segregation and recycling targets



Collect

- Include informal actors in government contracts
- Register waste pickers in social protection schemes (including health and childcare)
- Enhance measures for tracking and enforcing local by-laws



Dispose

- Acquire sites for safe waste disposal
- Develop policies for the use of safe disposal sites
- Enforce existing laws on fly-tipping and open burning



▶ **Critical accelerator to unlock a circular economy for the plastics and waste sectors**

IRECoP



Integrated Recycling and Compost Plant Limited (IRECoP) is a waste processing and recycling company established to receive, sort, process and recycle municipal solid waste to produce organic compost for agronomic purposes in Ghana and the subregion. Other recoverable materials, including plastics and metal scraps, serve as input materials for the steel and plastic manufacturing sectors.

IRECoP



Basel, Rotterdam and Stockholm Conventions



Funded by Norad and in cooperation with MESTI Ghana and other partners, the Secretariat of the Basel, Rotterdam and Stockholm Conventions facilitated a range of initiatives to implement the conventions to address plastic waste in Ghana. This included the development of a national plastic waste inventory, legal recommendations, a collection scheme for fishing nets, production of reusable bags and citizen-science beach clean-ups. Additional pilots, such as the use of compostable packaging, training of recyclers in reducing releases of microplastics and the introduction of water vending machines to reduce the use of plastic water sachets are underway. A training dedicated to environmental authorities, customs and law enforcement agencies to combat illegal traffic in plastic wastes while facilitating legal trade is planned for 2023.



EPR Toolkit



Under the partnership between Ghana and the German Federal State North Rhine–Westphalia, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH facilitated a series of webinars (2020–2021) and a workshop (2022) on the main pillars of an effective Extended Producer Responsibility (EPR) system for plastic packaging in close coordination with MESTI to contribute to informed decision-making on an appropriate EPR-scheme for plastic packaging in Ghana. The conclusions and recommendations from the webinars and workshop are documented in “Conclusions and Recommendations” from April 2022.

EPR Toolbox 



Above & right: Nelplast Eco Ghana

Nelplast Eco Ghana



Nelplast Eco Ghana is a plastic wastes collection, recycling, and eco-friendly building and construction company based in Katamanso in the Greater Accra Region of Ghana. The Company was incorporated in September 2018 to undertake the collection and recycling of plastic wastes of different kinds into Lego bricks and tiles for the construction of affordable eco-friendly houses for the middle-income and low-income brackets in Ghana. The company currently employs 79 workers as direct employees who work as supervisors, machine operators, electricians, mechanics, factory hands, administrators, security, drivers, and cleaners.

Nelplast Eco Ghana 

GPHA



Ghana Ports and Harbours Authority (GPHA) has started segregating its waste as part of measures to ensure environmental sustainability at Ghana’s seaports. Recognizing that port activities are industrial in nature and could pose risk to the environment, port management initiated Sustainable Ports Agenda in collaboration with key stakeholders.

GPHA Starts Waste Segregation 



Ministry of Environment, Science, Technology and Innovation (MESTI)



➤ The **Ministry of Environment, Science, Technology and Innovation (MESTI)** aims to place science, technology and innovation at the centre of the socio-economic transformation to enhance economic growth through an advanced and well-structured economy.

➤ The **National Plastics Management Policy** sets out 17 strategic actions that, when deployed together, can establish opportunities for job creation and business growth while eliminating plastic pollution.

➤ MESTI in collaboration with the Ministry of Local Government and Rural Development (MLGRD) and leaders of the Kwahu Traditional Area, leveraged the 2022 Easter Festivities to launch a campaign dubbed “Plastic is a resource not waste”. The campaign formed part of measures to create awareness and sensitize the public on the economic benefits of plastics as well as its harmful effects on the environment. It provided 300 dustbins and other waste management logistics.

The **pilot project for plastic waste management in the Greater Accra Municipal Assembly (GAMA)** will enable interventions in selected communities in a Municipality in GAMA and support with logistics and financial resources for collecting, sorting and recycling plastic waste using circular economy principles.

The five pillars and 17 strategic actions of Ghana's National Plastic Management Policy



- 1 Communication
- 2 School Education
- 3 Alternative Materials
- 4 Recycling Targets
- 5 Government Plans
- 6 Industry Plans
- 7 R&D Circular Economy
- 8 Local Technology
- 9 Trading Platform
- 10 Resource Mobilization
- 11 Certificate Scheme
- 12 Extended Producer
- 13 Environmental Tax
- 14 Green Procurement
- 15 Secretariat
- 16 Regulatory Framework
- 17 Hazardous Ban



Ministry of Sanitation and Water Resources (MSWR) ↗

Ministry of Sanitation and Water Resources (MSWR) has the goal to contribute to improvement in the living standards of Ghanaians through increased access to and use of safe water, sanitation and hygiene practices and sustainable management of water resources.

Inclusion of Informal Actors in Government Contracts.

In 2021, the MSWR updated assembly waste management contracting guidelines to require private waste management collection companies to engage informal actors (e.g., waste pickers) to service low-income areas that have traditionally been under-served. This is one of the foremost initiatives in-country to integrate the informal sector within government contracts in a way that is inclusive and responsive to the needs of marginalized community members.

Funding of Waste Management Infrastructure. The Ministry has been collaborating with Development Partners, Private Sector Service Providers, CSOs and NGOs through public-private partnerships to set up recycling plants and waste banks in every region of Ghana.

Environmental Sanitation Policy is being reviewed to integrate current developmental agenda (SDGs, Climate Change, Plastic Waste Management, Informal Service Provision, Gender Mainstreaming etc.) to ensure sustainable and quality service delivery of environmental sanitation equitably across all municipalities nationwide.

Institutional Litter Bin distribution program to encourage waste segregation and promote environmental cleanliness in the institutions." (Schools, hospitals, military barracks)





Impact Area 3

Unlock Financing

Objective



Encourage efforts to remove policy barriers to investment in the circular economy for plastics and attract investment in sustainable solutions.

Priorities

- ➔ Implement an EPR scheme
- ➔ Raise visibility of investors and investment-ready projects
- ➔ Build capacity of financial sector actors

Task Force Membership

Public sector

Ministry of Finance
Office of the President
Ministry of Environment, Science, Technology, and Innovation
Ministry of Trade and Industry
Ghana Infrastructure Investment Fund (GIIF)

Private sector

Ghana Recycling Initiative for Private Enterprises (GRIPLE)
Jospong Group
CalBank
Fidelity Bank
ABSA Group Ltd
Societe Generale
Oasis Capital
Venture Capital Trust Fund
Environmental Service Providers Association (ESPA)

Qualiplast

Nelplast Ghana Limited
SESA Recycling

Civil society

Alliance to End Plastic Waste

International organizations

European Investment Bank
African Development Bank
International Finance Corporation
World Bank
United Nations Industrial Development Organization (UNIDO)
United Nations Development Programme (UNDP)
United Kingdom Foreign Commonwealth Development Office
British International Investment (formerly CDC Group)

Unlock Financing: Needed Actions

Reduce and substitute

- Operationalize the Plastic Levy / Environmental Tax (Act 863)
- Support local research into plastic alternatives, including through the provision of funding



Redesign

- ▶ **Create incentives for companies to use recycled content in new products**
- Support local research into the redesign of packaging systems



Recycle

- ▶ **Create inclusive financial incentives for circular economy business models and new innovations**
- Provide funding for R&D and piloting of innovative recycling technologies
- Promote use of recycled materials with fiscal incentives
- Provide funds for appropriate resources to develop end markets
- Create long-term financing instruments at industry-friendly interest rates for recycling



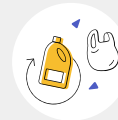
Collect

- Incentivize companies that fund groups in the plastic waste collection sector
- Improve infrastructure and incentivize household waste collection and source segregation
- Improve the financial reward for collectors
- Invest in infrastructure, equipment and programmes for trapping and collecting plastics in waterways



Dispose

- ▶ **Finance infrastructure and processes that reduce waste disposal volumes**



▶ **Critical accelerator to unlock a circular economy for the plastics and waste sectors**



Guinness Breweries



Guinness Ghana Breweries Limited is partnering with Coliba to fund and operate ten bottle buyback centres: eight in Accra and two in Kumasi. A bottle buyback centre is a depot or station where individual waste collectors can drop off or sell their plastic bottles for recycling.

The project will collect 800 tonnes of plastic during the first year of operation, with increased growth and more partnerships expected in the following years.

Guinness Ghana Breweries 



Zoomlion Ghana



Zoomlion Ghana Limited (ZGL) has begun the free distribution of bins under its 'One Million-Waste Bin' project. What informed their decision to embark on the free bin project was research carried out by Jospong Group of Companies (JGC) and Zoomlion Ghana Limited, which findings identified the inadequate waste bins in homes to store waste as one major factor of disposing garbage at unauthorized places.

Ecobank Ghana Limited is the financier of the \$10 million project, with Universal Plastic Products and Recycling (UPPR) Ghana Limited and the Environmental Service Providers Association (ESPA) as the collaborators.

Zoomlion Ghana 

Coca Cola Foundation



Coca Cola Foundation sponsored the Waste Recovery Innovation Challenge (WRIC 2) that provides technical and financial support to business, research and advocacy projects promoting innovative solutions for waste recovery or waste reduction. Through WRIC 2, the Foundation awarded grants totalling approximately \$134,000 to four winners.

Coca Cola Foundation 

\$134k

in grants was divided between the four winners of the Waste Recovery Innovation Challenge

Chaint Afrique



Chaint Afrique offers circular water services, eliminating single-use plastic bottle and sachet waste at events by providing water dispensers to rent.

Chaint: Circular Water 



GrEEen Project



The European Union, Embassy of the Kingdom of the Netherlands in Ghana, SNV Netherlands Development Organisation and United Nations Capital Development Fund (UNCDF) launched the Boosting Green Employment and Enterprise Opportunities in Ghana (GrEEen) project. The four-year, €20 million joint initiative aims to create greater economic and employment opportunities for youth, women and returning migrants by promoting and supporting sustainable, green businesses in two regions in Ghana: the Ashanti and Western regions.

GrEEen Project 



Alliance to End Plastic Waste



Alliance to End Plastic Waste provided seed funding to the ASASE Foundation to support women entrepreneurs working to reduce plastic litter in the community. The initiative, called Closing the Loop, uses a circular economy model that enables local communities to benefit from discarded plastic waste by collecting, reprocessing and reselling it. The recycling plant processes a range of plastic waste from water sachets to shampoo and detergent bottles and large cooking oil containers, converting it into regrinds. The regrinds are then sold to recyclers to make items such as pavement blocks, sheets for construction, basins and liners, most of which go back into the local community.

Alliance to End Plastic Waste 

World Bank Group


➤ The **Greater Accra Resilient and Integrated Development Project (GARID)** is a \$200 million investment supporting the Government of Ghana to construct and finance an engineered landfill and waste transfer station. It's also assisting community-based waste collection in low-income and vulnerable communities and is engaged in waste management policy discussions, focusing on key policy reforms and waste recovery.




➤ **Ghana PROBLUE** provides technical assistance and \$1.5 million funding from the PROBLUE Trust Fund managed and executed by the World Bank which aims to enhance knowledge of plastic pollution, strengthen evidence-based policy decisions, promote social inclusion and involve the private sector in improved waste management and the reduction of marine litter and plastic pollution in the Greater Accra Region. Specific interventions include:

- Modelling the performance of proposed policy tools to demonstrate likely financial, employment and climate outcomes.
- Mapping pollution hotspots to inform future mitigation strategies.
- Developing an Extended Producer Responsibility (EPR) scheme to finance waste management and recycling infrastructure.
- Supporting the integration of informal actors into policy and business frameworks through value-chain analysis.
- Analysing the economic and financial performance of the solid waste management sector, supporting the government's aim to leverage public expenditures to mobilize private-sector capital and deliver greater value for money for taxpayers.
- Raising awareness of opportunities to accelerate action to unlock a circular economy.

United Nations Industrial Development Organization

 **Ghana Circular Economy Centre** The United Nations Industrial Development Organization (UNIDO) in partnership with Global Affairs Canada and the Government of Ghana, through the Ministry of Environment, Science, Technology & Innovation (MESTI), have launched the Ghana Circular Economy Centre project to support the country's transition to a circular economy. The 7.5 million Canadian dollars (or approximately six million USD) project funded by Global Affairs Canada will be implemented by UNIDO over a 5-year period in coordination with MESTI. It seeks to establish a Centre of Excellence to promote the adoption of circular economy technologies and practices. Ultimately, the project will improve the ability of entrepreneurs, particularly women, the youth and those within the informal sector, to access resources and technologies that would enable them to identify, design, develop and scale up circular economy business models, while finding innovative ways to reduce negative environmental impacts.

 **Establishing a circular economy framework for the plastics sector in Ghana.** This Global Environment Facility(GEF) funded project was also launched by the Minister of Environment, Science Technology and Innovation in June, 2022. The project will be implemented by MESTI in collaboration with UNIDO. It aims to strengthen the national capacity of Ghana to transition to a circular economy framework that addresses plastic leak-age into the country's oceans and waterways, facilitates sustainable plastics management through operationalizing the National Plastic Action Partnership (NPAP-GPAP) and the National Plastic Management Policy (NPMP; and ultimately ends marine plastic pollution and reduces the unintentional emissions of POPs (u-POPs).





Impact Area 4

Transform Behaviour

Objective



Promote initiatives that help consumers and businesses form a more sustainable relationship with plastics.

Priorities

- ➔ Support the development of a citizen engagement strategy
- ➔ Lead the development of a behaviour-change roadmap
- ➔ Support stakeholder citizen engagement campaigns

Task Force Membership

Public sector

National Centre for Civic Education

Ministry of Environment, Science, Technology and Innovation

Private sector

DOW

Coca-Cola

Voltic Ghana

Ghana Recycling Initiative for Private Enterprises (GRIPE)

Jospong Group

International organizations

United Nations Development Program (Accelerator Lab)

WRAP UK

Civil society

Recycle Up Ghana

Plastic Punch

Chaint Afrique

Asase Foundation

Environmental Justice Foundation

Youth Reporters for Environment

Centre for Coastal Management

Women in Informal Employment Globalizing and Organizing (WIEGO)

Environment36

Coalition of NGOs in Water and Sanitation (CONIWAS)

Transform Behaviour: Workplan

Activities	2022	2023
Develop a citizen engagement strategy / campaign		
Conduct a baseline analysis for behaviour	Q2 – Q3	
Identify target audiences and priority behaviours	Q3	
Release RFP and engage implementing creative agency	Q3 – Q4	
Approve campaign execution plan	Q3 – Q4	
Execute Citizen Engagement Campaign		Q1 – Q4
Develop a behaviour-change roadmap		
Analyse findings for baseline on behaviour	Q3 – Q4	
Set objectives and targets	Q3 – Q4	
Develop TOR and hire consultant	Q3 – Q4	
Develop Behaviour Change Roadmap		Q4
Amplify existing efforts / create a coalition		
Set objectives and evaluation criteria	Q3	
Engage organisation/consultant to stock-take ongoing initiatives	Q3 – Q4	
Review report		Q4
Develop modalities for coordinated action		Q1 – Q2

Transform Behaviour: Needed Actions

Reduce and substitute

- ▶ **Roll out effective public education campaign, based on behavioural science**
- Investigate and monitor behaviours to militate against the increasing use of plastics
- Implement and enforce downstream waste segregation
- Encourage downstream waste segregation behaviours through incentivization



Redesign

- Encourage consumer adoption of new delivery models



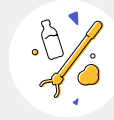
Recycle

- ▶ **Improve infrastructure and incentivize household waste collection and source segregation**
- Launch an industry and end-user campaign to encourage appropriate recycling behaviour
- Disseminate best practice and business models to recycling practitioners



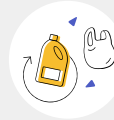
Collect

- ▶ **Provide transfer stations at District Assemblies for temporary plastic waste storage schemes**
- Build community buyback centres
- Sustain behavioural campaigns that target diverse demographics
- Roll out public education campaign to change perceptions of waste collectors



Dispose

- Educate citizens on upstream consumer choices and waste management practices



▶ **Critical accelerator to unlock a circular economy for the plastics and waste sectors**

Net Free Seas



The Environmental Justice Foundation's (EJF) Net Free Seas project is an incentive-based collection programme helping local fisherfolk collect waste nets to prevent them from ending up in the sea. It also creates awareness for fisherfolk to release sea turtles captured in their nets. The Net Free Seas project is being implemented in six fishing communities in Ghana's Central Region.

EJF Ghana



Netcycle



Netcycle helps rural and coastal communities discover alternative livelihoods by unlocking access to markets for collected and discarded monofilament nylon fishnets for upcycling. It provides rewards for ocean-bound plastics and brings coastal and riverine communities closer to recycling infrastructure. Netcycle links rural communities to global markets for recycling materials, leverages innovation to empower women and youths to play a more active role in fishing and facilitates more sustainable living. Netcycle aims to be a key enabler in Africa's transition towards a circular economy.

Netcycle



Mohinani Group



Mohinani Group in partnership with the Ghana Education Service, Accra Metro District and Environment360, hosts an annual Waste Management and Recycling competition across 37 schools in the Greater Accra Region. The competition supports environmental education in basic and Junior High Schools and rewards schools for collecting recyclable materials.

Mohinani



UGPRP



Institute of Environmental and Sanitation Studies' The University of Ghana Plastic Recycling Project (UGPRP) is a student-led initiative aimed at instilling the culture of source segregation of plastics among members of the University Community. It involves the provision of facilities at vantage points on the University Campus and at the various halls of residence for source segregation of empty plastic bottles and water sachets to complement the diverse forms of awareness creation undertaken as part of the project.

UGPRP 



Sesa Recycling



Sesa Recycling is a waste management company offering innovative recycling services for businesses and households in Ghana. Individuals are incentivized to recycle and reduce waste pollution through a points-based reward scheme for every kilo of plastics delivered at drop-off points. Recycling points are stored into a digital wallet and customers can use it to save money like a bank or pay for utility bills.

Sesa Recycling 



Spex Africa



Spex (SmartPack Exchange) is a packaging service solution that leverages a web platform and app to connect restaurants and vendors to customers seeking sustainable packaging.


Participants (Restaurants and Food Vendors) save on packaging costs while eliminating single-use food packaging with this reusable packaging exchange model. Users simply order from their favorite vendor on the Spex Platform, the vendor packages their food in a SmartPack reusable container, they enjoy their meal, and then contact Spex when they are ready to have the used container picked up to be sanitized and redelivered to another participating restaurant in a virtuous cycle.

Spex Africa 




Plastic Punch

Plastic Punch (PP) is a Ghanaian non-profit organization on a mission to inspire behavioral change through citizen science and awareness-raising (edutainment) towards sustainable waste management practices with an emphasis on reducing plastic pollution. PP promotes circular economy and environmental preservation, particularly marine conservation, to support sustainable development impacting future generations.

 **Plastic Punch Series** is raising awareness about the dangers of unmanaged plastic for the environment, wildlife, and humans, and to provide innovative and sustainable waste management solutions through a series of television dramas. The series encourages viewers to reflect on these issues, making them understand that their daily actions have a bigger impact on the environment.

Beach clean ups are one of the key activities of Plastic Punch to raise awareness of plastic pollution and its effects on marine life and ocean conservation. Moreover, it is a distinctive activity of the NGO inasmuch as it is the most direct tool to be used to improve the turtle nesting environment and good sanitation of the beach. It also acts as an awareness-raising strategy towards behavioral change and collecting relevant data on “what” and “who” are the pollutants on our beaches deploying different citizen science protocols.

Simultaneous activities are organized during the clean-ups, such as upcycling workshops with materials found on the beach, theatre plays about environmental issues, sports, quizzes, etc. The waste found at the beaches is handed to PP’s partners like Nelplast which consider waste as their resource to produce other materials, such as bricks or textile, or to the landfill for the non-recyclables. (EU BeachCleanup 2020, Plastic Punch BC, EU BeachCleanup 21, Wanlov at Plastic Punch Beach Cleanup)

 **Biodegradable packaging:** Plastic Punch is developing alternative and bio-degradable packaging solutions from locally sourced plant fiber to combat ever-increasing plastic demand and usage for food and beverage packaging.

Ghana Recycling Initiative by Private Enterprises (GRIPE)

The **Ghana Recycling Initiative by Private Enterprises (GRIPE)** is an industry-led coalition formed under the Association of Ghana Industries (AGI) to integrate sustainable waste management solutions, particularly on plastics. GRIPE was founded in November 2017 by eight multinational companies with a track record of engaging in sustainability activities concerning plastics in other countries: Coca-Cola Bottling Company of Ghana, Dow Chemical West Africa Limited, Fan Milk PLC, Guinness Ghana Breweries Limited, Nestlé Ghana Limited, PZ Cussons Ghana Limited, Unilever Ghana PLC and Voltic (GH) Limited. The Mohinani Group, Accra Brewery Limited, KGM Industries, Fine Pack Industries, Pernod Ricard Ghana and Universal Plastic Products & Recycling Limited have since joined the coalition.

Community Plastic Buyback – GRIPE, in partnership with Premier Waste Services and the Young Africans For Opportunities embarked on a community plastic buyback project at Buokrom, a suburb of Kumasi. Community plastic buyback events are designed to reach low-income communities by enabling people to exchange plastics for cash by separating and selling their post-consumer plastic waste. During the project, volunteers visit households and local shops to raise awareness of waste segregation and management. About 100 residents and 30 volunteers participated in the exercise in Buokrom. At least 2MT of plastics (mainly LDPE, HDPE, and PET bottles) are recovered from each of GRIPE's plastic buyback events with communities.

A **Senior High School (SHS) Plastics Waste Recovery** project, in partnership with the Council for Scientific and Industrial Research – Institute of Industrial Research (CSIR-IIR), is underway in eight (8) Senior High Schools in the Greater Accra region. The project introduces the concept of circular economy to schools and empowers student ambassadors to educate others, especially their peers and families, about waste management at source and recycling. The two organizations have donated waste bins to the schools to help segregate their plastic waste for recycling by its partners, Sesa Recycling Limited and Jekora Ventures. GRIPE and CSIR-IIR have also donated educational booklets and other communication materials to the students to enhance their knowledge of the plastic circular economy.

2,035kg

of plastics were recovered by 100
residents and 30 volunteers in just five hours





Impact Area 5

Boosting Innovation

Objective



Support and promote innovative solutions that tackle plastic waste and pollution in priority countries.

Priorities

- ➔ Promote innovation challenges
 - ➔ Apply ICT solutions to collection
 - ➔ Support new delivery models
-

Membership to be launched in Q3 2022

Boosting Innovation: Needed Actions

Reduce and substitute



- Support new delivery models by enabling innovation
- Unlock catalytic financing for high-impact business models and high-risk innovations
- Conduct research to effectively target reduction solutions that are locally adaptive and socio-culturally appropriate
- Promote innovation challenges to meet local market needs

Redesign



- Incentivize and enable local innovators to develop locally appropriate models for refill and reuse
- Encourage and incentivize business models that contribute to the shift to a circular economy

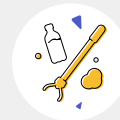
Recycle



► Develop end markets for recycled materials

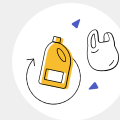
- Boost recycling by adding value to recycled materials
- Develop local plastic separation technology for different types of plastic

Collect



- Adopt tools for pricing transparency along the supply chain
- Use technology to post information about plastic waste collection opportunities

Dispose



► Use technology solutions to improve plastics recovery

- Research locally available materials that can be used to line disposal sites
- Trap plastics from dumpsite leachate and runoff

► Critical accelerator to unlock a circular economy for the plastics and waste sectors



NUTEC Plastics



The Ghana Atomic Energy Commission has begun the implementation of the Nuclear Technology for Plastic Pollution Control programme, an initiative of the International Atomic Energy Agency launched in 2021 to assist member states in integrating nuclear technologies to combat plastic pollution.

GAEC: NUTEC 



Above: Asase Foundation

Asase Foundation



The Asase Foundation is a legally registered non-governmental organization (NGO) in the Greater Accra Region of Ghana with the aim to provide a platform for the inspiration and empowerment of women and beyond by offering safety best practices, technical and business training to manage their businesses in the plastics value chain.

CASH IT! are the ASASE Foundation's social enterprises offering women entrepreneurs especially, the opportunity to cash in the value of plastics currently littered for the benefit of their families and communities. The ASASE Foundation commissioned its second CASH IT! plastic recycling plant in Tema West Municipality in Accra. The plant has a processing capacity of 2000MT/per year and will create 44 jobs.

CASH IT! 

Ghana Climate Innovation Centre



Ashesi University's Ghana Climate Innovation Centre (GCIC), with funding from Global Affairs Canada, provides 9-month business incubation and acceleration support to SMEs that contribute to climate action in Ghana, including those engaged in plastic recycling / upcycling, to help them finetune their green business models, improve their access to finance and markets, scale up or be investment-ready. Additionally, GCIC provides financial and technical grants to entrepreneurs in each cohort, and seeks to inform and influence the Government of Ghana for a gender-sensitive fiscal policy that is aligned to the needs of a low-carbon economy.

Ghana Climate Innovation Centre 

Mckingtorch Africa



Mckingtorch Africa is a registered social enterprise working in environmental sustainability and sanitation. It recycles, upcycles, advocates for environmental sanitation, operates community and beach cleanups, provides mentoring and training for young people to create solutions from waste, hosts plastic waste art exhibitions and sells products and artworks made from plastic waste. It also engages institutions globally for research partnerships.

McKingtonch unveiled its first solar-powered bus shelter made from plastic waste in Dzorwulu, Accra. The company has also designed large collection receptacles suitable for installation in public spaces.

Mckingtonch Africa 



Royal Crown Packaging



Royal Crown Packaging organizes an annual Students Packaging Research and Innovation Challenge for tertiary institutions. Winning entries are submitted to the WPO WorldStar Student Competition, a major platform where students around the world showcase their talents. The 2022 competition targeted post-consumer plastic packaging waste, seeking solutions on how to design a consumer or distribution package using post-consumer waste or recycled plastic material.

Royal Crown Packaging 



Above: Coastal Conservancy

Coastal Conservancy



Coastal Conservancy Organisation is an Environmental NGO passionate about the clean beach and is geared towards stemming shoreline pollution and deterioration to preserve and protect Ghana's coastline. Specialized Litter Trap Equipment was installed for a pilot demonstration on the Korle Lagoon, Jamestown, Accra to prevent, recover and harvest land-based ocean bound plastics from flowing into the sea and polluting the ocean. The introduction and installation of the specialized Litter Trap Equipment was supported by Ghana Ports & Harbours Authority (GPHA) as part of Coastal Conservancy Organisation's (CCO) initiative to find solution to land-based ocean bound plastics in waterways and waterbodies in Ghana. The project is envisioned to extend across the entire 550 km of Ghana's coastline.

Coastal Conservancy Organisation 



United Nations Development Programme

The **United Nations Development Programme** in Ghana developed the Waste Recovery Platform to be a one-stop solution, connecting all actors in the waste management value chain to promote waste recovery in a circular economy context.

The **Waste Resource Map** , created in collaboration with NPAP Ghana, mapped 116 waste collection and recycling points in Accra to increase awareness and patronage of Ghana's existing plastic waste management infrastructure. It's the country's first freely available resource showing who to contact for collection and recycling.

The **Waste Recovery Innovation Challenge**, in partnership with the Embassy of the Royal Kingdom of the Netherlands and the Coca-Cola Foundation, has held two editions providing technical and financial support to innovative businesses, research and advocacy projects demonstrating resource recovery opportunities in Ghana.

A **COVID-19 social media campaign** was developed to raise awareness of the important role of waste collectors in the response to COVID-19; mobilize resources to provide PPE to waste collectors; create awareness about the safe use and disposal of face masks, tissues, and so on; and to sensitize communities on how they can manage waste efficiently during COVID-19.

The **Ghana Integrated Waste Management Fair 2021** was organized in partnership with NPAP Ghana and MESTI. The event showcased 50 exhibitors with innovative solutions using different materials for varied uses throughout the value chain.



Environment360

Environment360 specializes in supporting communities develop circular solutions that lead to zero-waste. They have a special focus on supporting informal sector workers and youth to create green jobs within their communities.

Circular Innovation Hub, located in Dodowa, seeks to create green jobs by providing training, partnerships and technology that help communities achieve zero waste. The Hub provides technical training programs that support the development of sustainable recycled products, and market linkages for products developed. The Hub's first project uses an open-source modular recycling technology that allows HDPE and PP plastics to be easily recycled into second-life products, such as a Ghana waste bead. The Hub is aiming to train 100 informal waste pickers who will divert 10,000 tons of plastics from landfills and waterways, offsetting 41,000 tons of carbon in the next five years.

Pick-It, with funding support from the German Ministry of Environment, Nature Conservation and Nuclear Safety's Ikl grant, is a waste picker-led sorting center seeking to develop the business capacity of waste pickers, as well as increase their incomes. The center is a safe space for waste pickers to segregate, store and sell the plastics they collect. The project offers value-added services for waste pickers such as storage space, medical screenings, transportation, as well as personal protective gear and refreshments. The project seeks to increase its collection from 10 metric

tons of plastic to 30 metric tons each month. To achieve its objective, the organization is creating a points-based system that awards groups for consistently bringing in plastics to the facility. The organization has also provided two flakers to support moving waste pickers up the value chain.

41,000

tonnes of carbon will be offset over the next five years by the Circular Innovation Hub's plans to divert plastic from landfill



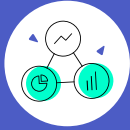
Circular
Innovation Hub

Impact Area 6

Harmonize Metrics



Objective



Align with key stakeholders on metrics and standards for measuring plastic waste and pollution.

Priorities

- ➔ Roll out Plastic Action Initiative Tracker and periodic impact reporting on stakeholder action
 - ➔ Introduce national and specialized real-time data collection systems to track material flows
 - ➔ Define problematic plastics that should be reviewed for phasing out
-

Membership to be launched in Q3 2022

Harmonize Metrics: Needed Actions

Reduce and substitute

- ▶ Create policy and standards for the reuse and recycling of plastic materials



Redesign

- Define problematic and unnecessary plastics for phasing out



Recycle

- ▶ Introduce real-time data collection systems for tracking material flows across the plastics value chain
- ▶ Set up industrial hubs for plastic waste recycling ensuring equal representation of beneficiaries
- Develop local technology for supply-chain transparency and material quality assurance
- Build capacity to monitor imported plastics and ascertain their potential for recycling
- Create quality standards for recycled materials



- ▶ Critical accelerator to unlock a circular economy for the plastics and waste sectors





IESS



The Institute of Environment and Sanitation Studies rolled out Cleaning from the bottom up: integrating the informal waste collector into the waste management system, a five-year programme that seeks to grow the pipeline of high-quality, integrated, solutions-oriented, early-career research into global sustainability in Africa. This research can help address complex sustainability challenges in the region.

IESS: Cleaning from the Bottom Up 



Footprints Africa



Footprints Africa's catalytic and fast-paced Circular Business Hotseats series is addressing the critical challenges faced by circular businesses. It brings together over 120 circular-focused entrepreneurs across four value chains: plastic waste to construction, regenerative agriculture, black soldier fly farming and e-waste. Entrepreneurs are linked with technical experts and investment professionals to help solve their toughest questions in a unique, question-only format. The Hotseat series has been made possible by the support of Sitra, the Finnish Innovation Fund.

Footprints Africa 

120

circular-focused entrepreneurs are catalysing change in the Circular Business Hotseats series

UPPR



Universal Plastic Products and Recycling Limited (UPPR) UPPR manufactures different colours and sizes of plastic Waste Bins, Waste Bin Liners, Seedling Bags, Pallets, Buckets and other plastic products. The company also distributes its products among traders and institutions in neighbouring countries and across the West African sub-region. UPPR's recycling activities seeks to rid the environment of filth by collecting all types of broken plastics as well as water sachets and PET bottle and jars for recycling, thereby creating jobs and promoting a clean and healthy environment.

UPPR Ghana 

SAP & MESTI



SAP and MESTI rolled out the plastic traceability project which captures data about plastic collectors, leading to improved organization, better rewards for pickers and enhanced traceability that gives plastic greater value.

Ghana's Plan to Minimize Plastic Waste



Value for Waste



ASA Nwura is a circular economy-driven cleantech company located in the Western region. It powers the circular flow of solid waste by digitizing the collection of sorted waste from consumers, households and companies for authorized recyclers. GRIPE supported ASA Nwura to implement a community-based plastic recovery project titled Value for Waste. The project was created to close the loop in the plastic value chain through a blend of upstream and downstream strategies that were localized in the context of Abuesi, Shama, a typical rural coastal community. A total of 3,474kg of waste was recovered from the environment, out of which 2,736kg were LDPE, 534kg were PET and 204kg were HDPE.

ASA Nwura



Recycle Up! Ghana

Recycle Up! Hub provides early-stage social entrepreneurs with business development support to develop their social businesses. We also provide entrepreneurs and changemakers with a community of industry experts for mentorship, investments and support.

Recycle Up! Waste Innovation Center works to find innovative ways plastic waste can be put to use. The facility focuses on research and development into different types of plastic waste and innovative technologies to recycle and create value for them.

The **Recycle Up! Ghana Startup Weekend** provides young spirited entrepreneurs with the appropriate methods to take their ideas to the next level and builds a supporting network of like-minded changemakers.

Recycle Up! Nationwide Waste Education Campaign (NWEK) is an extension of our Summer Camp concept at school level. NWEK aims at professionalizing and intensifying our environmental education concepts as well as broadening our scale to reach more schools across Ghana.



Jospong Group

The **Jospong Group of Companies** is one of the most diversified holding company in Ghana with operations in other African countries, USA and Asia. The company has business interest in about 14 sectors of the economy with its biggest operations in Waste management, ICT and Banking as well as Automobile and Equipment, and more than 60 subsidiaries.

Environmental Sanitation Research Fund: Twenty-six teams of researchers from 13 universities and research institutions in the country have received a GH¢5 million grant from the Jospong Group of Companies (JGC) Environmental Sanitation Research Fund (ESRF) to investigate issues in the environmental and sanitation space. The grant will fund research projects to be led by the researchers to help keep the country clean and support the national drive towards achieving the relevant United Nations (UN) Sustainable Development Goals (SDGs)

The maiden ESRF awards saw the Africa Environmental Sanitation (AfES) Consult Limited, administrator of the fund, present certificates to all successful applicants. The 26 teams of researchers were selected from 45 applications. The teams and their researchers are from institutions including Akenten Appiah-Menka University of Skills Training and Entrepreneurial Development (4); C.K. Tedom University of Applied Science (2); Council for Scientific and Industrial Research – Institute for Industrial Research (1); Ho Technical University (2); Institute of Local Government Studies (1); Kwame Nkrumah University of Science and Technology (5); Kumasi Technical University (1); and Koforidua Technical University (1).



The way forward

This first edition of the biannual Plastic Action Initiative Tracker is intended to serve as an initial stock-taking of the important work of dozens of actors in Ghana to address plastic waste and pollution. The tracker sets a precedent for measuring the progress of the 74 recommended actions of the Ghana National Plastic Action Roadmap to Eradicate Plastic Pollution (2021).

Future editions of the biannual tracker will go further to transparently monitor and evaluate the effectiveness of Ghana's plastic action ecosystem in joining forces to realize the systemic solutions required across the plastics lifecycle to achieve zero plastic leakage into the ocean by 2040.

No single actor or sector will solve this challenge alone. We must work together strategically if we are to realize the scale of needed solutions in our lifetimes.

Preparing the path to a circular economy requires coordinated action sustained over decades. This biannual tracker will regularly gauge the progress of action to address plastic pollution. It will assess if efforts are on track and determine whether ongoing initiatives are tackling issues across the entire value chain or if future efforts should be targeted at neglected areas. It will also identify solutions that are measurably effective and efficient, and well positioned to be scaled to have a more significant impact. The second edition of the tracker will include updates on the four Task Forces currently activated: Policy, Financing, Behaviour and Inclusion, and will share updates for the first time of the newly inaugurated Metrics and Innovation Task Forces.

Most importantly, future editions of the biannual Plastic Action Initiative Tracker should inspire others to take action and partner with organizations already actively working on solving the plastic pollution problem.



Acknowledgements

NPAP Steering Board

Kwaku Afriyie

Minister, Ministry of Environment, Science, Technology, and Innovation (MESTI) and Chair of the Steering Board

Georgios Badaro

Managing Director, Nestlé Ghana Limited and Co-chair of the Steering Board

Dorcas Ansah

Ghana Country Representative, Women in Informal Employment: Globalizing and Organizing (WIEGO)

Fakrhuddin Azizi

Country Director for Ghana, United Nations Industrial Development Organization (UNIDO)

Pierre Laporte

Country Director for Ghana, Liberia and Sierra Leone, World Bank Group

Adwoa Coleman

Africa Sustainability and Advocacy Manager, Dow's Packaging and Specialty Plastics Business in Africa

Joseph Siaw Agyepong

President, Environmental Service Providers Association (ESPA)

Ebbo Botwe

President, Ghana Plastic Manufacturers Association (GPMA)

Seth Twum- Kwaboah

Chief Executive Officer, Association of Ghana Industries (AGI)

Ayeshah Fauzee

Director Public Affairs, Communication and Sustainability (West Africa, Mid Africa & Islands), The Coca-Cola Company

Martin Dery

Chairman, Coalition of NGOs in Water and Sanitation (CONIWAS)

Eugene Owusu

Special Advisor to the President on the SDGs, Office of the President

Sara Nicholls

Head of Cooperation, High Commission of Canada to Ghana

Sukhrob Khoshmukhamedov

Deputy Resident Representative in Ghana, United Nations Development Programme (UNDP)

Richard Sandall

Deputy Development Director; Team Leader, Governance and Economic Transformation Team, Foreign, Commonwealth and Development Office Ghana

Solomon Asamoah

Chief Executive Officer, Ghana Infrastructure Investment Fund (GIIF)

NPAP Technical Committee

Oliver Boachie

Special Adviser to the Minister, Ministry of Environment, Science, Technology and Innovation and Chair of the Technical Committee

Lydia Essuah

Director of Policy, Planning, Monitoring & Evaluation, Ministry of Environment, Science, Technology, and Innovation

Margaret Mary Tohouenou

Regulatory and Scientific Affairs Manager, Nestlé Ghana Limited and Co-Chair of the Technical Committee

Deborah Kwablah

Nestlé Ghana Limited Head of Corporate Communications (Ghana)

Nina Hissen

Livelihoods Adviser, United Kingdom Foreign, Commonwealth & Development Office (FCDO)

Kwadwo Kwakye Gyan

Risk Manager, Ghana Infrastructure Investment Fund (GIIF)

Ama Ofori-Antwi

Executive Secretary, Environmental Service Providers Association (ESPA)

John Defor

Director, Policy and Research, Association of Ghana Industries (AGI)

Theophilus Mensah

Policy, Research & Advocacy Officer,
Association of Ghana Industries (AGI)

Daniel Kumadi

Ghana Plastic Manufacturer Association

Basilina Nanbigne

Executive Secretary, Coalition of NGOs in
Water and Sanitation (CONIWAS)

Lorenzo Carrera

Sector Leader, Sustainable Development,
Ghana, Liberia and Sierra Leone, World Bank

Justice Odoi

Environmental Specialist, World Bank

Özgül Calicioglu

Environmental Specialist, World Bank

Oznur Oguz Kuntasal

Senior Environmental Specialist World Bank

Joseph Yeboah

Environmental Focal Person, United Nations
Industrial Development Organization (UNIDO)

Ulvinnur Muge Dolun

Project Manager, Circular Economy and
Resource Efficient Production, United Nations
Industrial Development Organization (UNIDO)

Peter Smalley

Project Associate, United Nations Industrial
Development Organization (UNIDO)

Nada Slaoui

Second Secretary, High Commission of Canada
to Ghana

Daniel Sarpong

Technical Specialist on Waste Recovery
and Circular Economy, Global Affairs
Canada in Ghana

Owusu Boampong

Waste Picker Specialist (Ghana), Women
in Informal Employment: Globalizing and
Organizing (WIEGO)

Nancy Amoyaw

Head of Industry Unit, Ministry of Finance

Charlotte Adjei

Programme Officer, Ministry of Sanitation and
Water Resources

Eric Boamah

Corporate Affairs Compliance Legal
Sustainability Manager, Coca-Cola

Dorcas Onyango

Sustainability Director, Coca-Cola Delegate

David Drew

Head of Sustainability, Packaging & Climate
Change, Coca-Cola

Catherine Adododadi-Dogbe

Programme Officer, United Nations
Development Programme (UNDP), Ghana

Kingsley Bekoe

Green Financing Focal Person, United Nations
Development Programme (UNDP), Ghana

Enock Amo

Deputy Director, Ministry of Fisheries and
Aquaculture Development

Ghana National Plastic Action Partnership (NPAP) Secretariat

Kwame Asamoah Mensa-Yawson

Manager, Ghana NPAP Secretariat

Jonathan Ntsiful

Communication Specialist, Ghana NPAP
Secretariat

Elham Mumuni

Gender and Non-Discrimination Advisor,
Ghana NPAP Secretariat

Heather Troutman

Strategic Advisor, Ghana NPAP Secretariat

Global Plastic Action Partnership (GPAP)

Kristin Hughes

Director, Global Plastic Action Partnership

Roisin Greene

Head of Strategy, Growth and Partnerships,
Global Plastic Action Partnership

Annika Green

Country Platforms Specialist, Global Plastic
Action Partnership

Taylor Clayton

Project and Community Lead, Global Plastic
Action Partnership

Katie Gilchrist

Gender Advisor, Global Plastic Action Partnership

Abdellah Hmamouche

Communications Lead, Global Plastic Action
Partnership

Financing Taskforce

Gladys Osabutey

Chief Economics Officer & Head of UN systems and Foundation Unit, Ministry of Finance

Abena Appiah

Assistant Operations Director, Ministry of Environment, Science, Technology, and Innovation

Jonas Byström

Lead Engineer, European Investment Bank

Marielle Leseur

Senior Loan Officer, European Investment Bank

Eva Roben

Solid Waste Management Expert, European Investment Bank

Sabitu Saad

COPIP, European Investment Bank

Temitope Akinyemi

COPIP, European Investment Bank

Charlotte Noudjieu Cheumani

Principal Social Development Officer, African Development Bank

Tabi Karikari

Chief Agro-Industry Officer, African Development Bank

Hassan Kaleem

Senior Upstream Operations Officer, International Finance Corporation

Samu Salo

Senior Industry Advisor, International Finance Corporation

Etienne Kechichian

Senior Private Sector Specialist, World Bank

Omezikam Onuoha

Environmental Specialist, World Bank

Maged Hamed

Lead Environmental Specialist, World Bank

Dzifa Nyansafo

Head of Wholesale Operations, CalBank

William Amelorku

Environment and Social Officer, Cal Bank

Julian Opuni

Managing Director, Fidelity Bank

Frederick Nyinaku

Head of Wholesale Operations, ABSA Group Ltd.

Georges Sanders

Project Manager, Alliance to End Plastic Waste

Matthew Boadu Adjei

Chief Executive Officer, Oasis Capital

Joseph Yiadom

Partner, Oasis Capital

Abraham Mensah-Belley

Investment Manager, Venture Capital Trust Fund

Hamdiya Ismaila

General Manager, Venture Capital Trust Fund

Musa Salah

Head Environmental and Sustainability Management, Ecobank

Maha Odaimat

Marketing and Export Coordinator, Qualiplast

Nana Yaw Akuamoah

Support Services Manager, Qualiplast

Nelson Boateng

Chief Executive Officer, Nelplast Ghana Ltd.

Prosper Coffie

Nelplast Ghana Ltd.

Ghislain Castries

Managing Director, SESA Recycling

Christopher Gyan-Mensah

Director of Operations, SESA Recycling

Israel Acheampong

Consultant, Jospong Group

Inclusion Task Force

Ephraim Tetteh

Programme Officer, Ministry of Gender

Amanda Enyonam Vittor-Quao

Programme Officer, Ministry of Sanitation

Gloria Botwe

Regulatory and Scientific Affairs, Nestle Ghana Limited

Naa Adokailey Amofa

Country Human Resource Manager, Voltic Ghana Limited

Jeffrey Provencal

CEO and Co-founder, rePARTN

Ernest Amakye

Programme Officer, rePARTN

Sarah Antwi-Boasiako

Social Development Specialist, World Bank Group

Desmond Alugnoa

Co-Founder, Green Africa Youth Organization (GAYO)

Betty Osei Bonsu

Programme Officer, Green Africa Youth Organization (GAYO)

Johnson Doe

President, Kpone landfill waste pickers association

Oduro Appiah

Lecturer, University of Cape Coast

Martha Annan

Innovations manager, Jekora Ventures

Felix Laryea

Administrative Manager, Jekora Ventures

Nicole Gibson

Sustainability Manager, Miniplast

Joana Bingham

Chief Executive Officer, Footprints Africa

Alice Abagre

Programme Officer, Footprints Africa

Hilda Addah

Co Founder, Asase Foundation

Lydia Bamfo

President, Borla Taxi Association

Karim Saagbul

Waste Picker Consultant, WIEGO

Policy Task Force

Godson Voado

Director, Environmental Protection Agency (EPA)

Michael Onwona-Kwakye

Deputy Director, Environmental Protection Agency (EPA)

Letitia Abra-kom Nyaaba

Deputy Director, Ghana National Cleaner Production Center

Boniface Antwi

Research Scientist Council for Scientific and Industrial Research (CSIR)

Prentice Macmillan

Certification Department, Ghana Standards Authority

Genevieve Bah-Mante

Head of Materials Science Department, Ghana Standards Authority

Priscilla Boateng

Scientific Officer, Ghana Standards Authority

Nora Narkie Terlabie

Director, Regional Operations, Food, and Drugs Authority (FDA)

Percy Adomako Agyekum

Head, Food Evaluation & Registration, Food and Drugs Authority (FDA)

Benjamin Cailloux

Project Director, Veolia Ghana Limited

Basil Ampofo

Regulatory Affairs Manager at Unilever

Senthil Kumar

General Manager (Works) Polytanks Ghana Limited, Mohinani Group

Felix Baidoo

Sustainability Manager, Guinness Ghana Breweries PLC (Diageo)

Roselyn Awotwi-Pratt

Supply Chain Governance and Compliance Manager, Guinness Ghana Breweries PLC (Diageo)

Betty Brown

Managing Director, IRECOP

Ing. Malik Ganyo

Operations and Engineering Manager, Integrated Recycling and Compost Plant Limited (IRECOP)

Haddy Agbeve

Integrated Recycling and Compost Plant Limited (IRECOP)

Arnold Abeeku Mensah

Executive Director, Harns Sanitation and Waste Management

Asuo Afram

Director of Economic Statistics, Ghana Statistical Service

Bernice Ofofu-Baadu

Head, Agriculture & Environment Statistics, Ghana Statistical Service

Keith James

Head of Policy & Insights, WRAP UK

David Rogers

Head of International Programmes, WRAP UK

Ashleigh Saunders

International Partnerships Manager, WRAP UK

Purnima Chhetri

Project Manager, WRAP UK

Grace Lee-Smith

Project Support Officer, WRAP UK

Jana Brinkman

Consultant, Cyclos

Vivian Ahiayibor

Managing Director, City Waste Recycling

Sampson Akwetey

Director, Sanitation, Ministry of Sanitation and Water Resources

Kwabena Adu Gyamfi

Marketing Manager, Food and Beverage Association of Ghana (FABAG)

Sunil Geness

Vice President, Government Affairs, SAP

Solomon Noi

Director of Waste Management, Accra Metropolitan Assembly

Robert Tetteh Cheetam

Senior Public Health Engineer, Accra Metropolitan Assembly

Immanuel Nartey-Tokoli

Chief Executive Officer, Jekora Ventures

Dana Mosora

Chief Executive Officer, Asase Foundation

Alex Kombat

Policy Director, Ghana Revenue Authority

Winifred Adu Brobbey

Ghana Revenue Authority

Glibert Kwesi Mensah

Assistant Commissioner, Head - Risk Management, Ghana Revenue Authority

Christelle Donner

Junior Advisor, Sustainable Energy and Climate Cluster (SECC), GIZ

Nadim Ghanem-Pares

Chief Executive Officer, Miniplast Limited

Richmond Kennedy Quarcoo

Co-Founder/Executive Director, Plastic Punch

Behaviour Task Force

Allen Annie

Head of Experimentation, UNDP Accelerator Lab

Anthony Kouakou

Communications Manager, Coca Cola

Worlasi Bedu-Mensah

Public Affairs, Sustainability and Communication Manager, Voltic

Rahim Shaibu-Issah

Executive Director, Recycle UP Ghana

Salim Seidu Abubakar

Programs Officer, Recycle UP Ghana

Cordie Aziz

Founder & Executive Director, Environment360

Aseye Afi-Djangmah

Programs Manager, Environment360

Louisa Kabobah

Project Manager, Ghana Recycling Initiative by private enterprises (GRIPE)

Desmond Adusah

Design Lead, Plastic Punch

Aduko Ateem Rocky

Commercial Manager, Asase Foundation

Elsie Debrah

Program Officer, Environmental Justice Foundation

Edna Quansah

Fisheries Manager, IUU, Environmental Justice Foundation

Noémie Simon

Senior Programme Manager, Team Leader, Environmental Justice Foundation

Venan Sondo

Chief Executive Officer, Chaint Afrique

Nana Ama Mantey

Advocacy Lead, Chaint Afrique

Rachel Gray

Behaviour Change Manager, WRAP UK

Viktoria Salisbury

Behaviour Change Project manager, WRAP UK

Gaetan Agbaam

Youth Reporters for Environment (YRE)

Rosemary Balami

National Coordinator, Youth Reporters for Environment (YRE)

Irene D. Minston-Amihere

Civic Education Officer, National Centre for Civic Education (NCCE)

Sophia Kudjordji

Chief Corporate Communications Officer, Jospong Group

Isabella Orhin

Communications Manager, Zoomlion Ghana

Gloria Holm-Graves

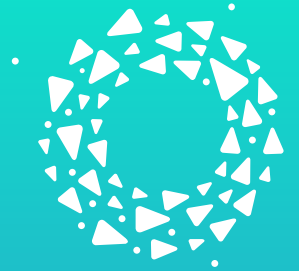
Head, Public Relations, Ministry of Environment Science, Technology, and Innovation

Sika Abrokwa

Assistant Research Fellow, Centre for Coastal Management, University of Cape Coast

Ivy Serwaa Gyimah Akuoko

Assistant Research Fellow, Centre for Coastal Management, University of Cape Coast



GHANA
NATIONAL PLASTIC
ACTION PARTNERSHIP

Setting a regional model for
sustainably managing plastics and
transitioning to a circular economy
globalplasticaction.org/countries/ghana