



# The Global Plastics Hub of the Global Partnership on Plastic Pollution and Marine Litter (GPML)

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United Nations Environment Programme



Global Partnership  
on Plastic Pollution  
and Marine Litter



# The GPML and the Global Plastics Hub



<https://globalplasticshub.org/>

## Global Partnership on Plastic Pollution and Marine Litter (GPML):

- The largest global multi-stakeholder partnership addressing plastic pollution and marine litter
- Unites governments, civil society, academia, private sector
- Steering Committee, UNEP provides secretariat support

## Global Plastics Hub (formerly the Digital Platform)

- Mandated by UNEA resolution 4/6
- Largest open-source, crowd-sourced platform on plastics
- Access to technical resources, good practices, data, network
- Connects stakeholders and integrates data to coordinate action
- Facilitate target setting and measuring progress

# The Global Plastics Hub

The global crowd-sourced open-access platform on plastics



KNOWLEDGE HUB

**2800+**

Technical resources, good practices, case studies, guidelines, tools, training courses etc.

Showcase your solutions!

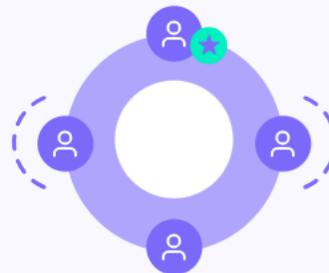


DATA HUB

**80+**

Indicators from global datasets visualize plastics in the economy, in waste management, legacy plastics

Use your country dashboard to visualize data and track progress!

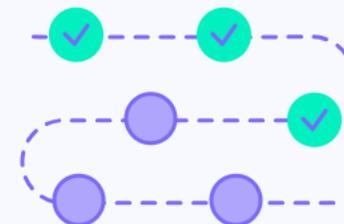


COMMUNITY HUB

**2000+**

Stakeholders and organizations connected to facilitate networking for collaborative action

Connect with our network!



WORKSPACE

Step by step guidance for countries to develop evidence-based national action plans / strategies



# Knowledge Hub

Showcases over 2,800 resources

Global Partnership on Plastic Pollution and Marine Litter

Knowledge Hub | Data Hub | Community

Search Resources

Most Recent First

BROWSE RESOURCES BY

Life Cycle Stage

- Production
- Consumption
- Waste Management
- Legacy Plastics
- Full Life Cycle

Resource Type

- Project
- Technical Resource
- Technology
- Action Plan
- Legislation
- Financing Resource
- Case Study
- Initiative
- Event
- Data Portal

Geography

- Africa
- Asia
- Europe
- Latin American and Caribbean
- Least Developed Countries
- LLDCs
- SIDs

Countries

Keywords

Keywords

TECHNICAL RESOURCE  
Gear marking pilot study in Indonesian small-scale gillnet fisheries with...

TECHNICAL RESOURCE  
Sea-Based Sources of Marine Litter. GESAMP Working Group 43.

TECHNICAL RESOURCE  
Operationalization of FAO Voluntary Guidelines on the Marking of Fishing Gear – Manual for the...

TECHNICAL RESOURCE  
Voluntary Guidelines on the Marking of Fishing Gear – Manual for the...

TECHNICAL RESOURCE  
Voluntary Guidelines on the Marking of Fishing Gear – A framework for...

ACTION PLAN  
Sénégal - Plan d'Action National (PAN) de lutte contre les Engins de Pêch...

TECHNICAL RESOURCE  
Voluntary Guidelines on the Marking of Fishing Gear / Directives...

TECHNICAL RESOURCE  
Guidance Document on Development of National Action Plan on Sea-Based Mari...

TECHNICAL RESOURCE  
Guidance Document on the Country Status Assessment on Sea-Based Mari...

TECHNICAL RESOURCE  
Guidance Document on Conducting Techno-Economic Feasibility Studies...

TECHNICAL RESOURCE  
Guidance Document on Developing Port Waste Management Plans

TECHNICAL RESOURCE  
Tecnologías y prácticas de reciclaje de artes de pesca

TECHNICAL RESOURCE  
Rapport sur les bonnes pratiques pour prévenir et réduire les déchets...

TECHNICAL RESOURCE  
Report on good practices to prevent and reduce marine plastic litter from...

TECHNICAL RESOURCE  
Notificación y recuperación de aparjos de pesca perdidos...

TECHNICAL RESOURCE  
Déclaration et récupération des engins de pêche perdus...

Global Partnership on Plastic Pollution and Marine Litter

Knowledge Hub | Data Hub | Community

## Learning Centre

ALL | ONLINE COURSE | MASTERCLASS | WEBINAR | OTHER

FILTER BY

**Closing the Loop Presents**  
**Cities and Marine Plastic Pollution Building a Circular Economy**  
An open-source eLearning course by UN ESCAP

**ONLINE COURSE**  
**Closing The Loop**

This course is designed to share the latest knowledge and approaches to measuring and managing marine plastic pollution from land-based sources to achieve local, national and regional goals related to sustainable development.

TAG 1 TAG 2 TAG 3 TAG 4

**ONLINE COURSE**  
**Beach Macro Litter Monitoring E-Course**

Sustainable Seas Trust (SST) and GRID-Arendal are proud to announce the launch of a free online e-learning course for citizen scientists, focusing on marine plastic pollution. The course is based on SST's African Marine Litter Monitoring Manual 2022 Edition, developed with experts across the Western Indian Ocean (WIO) region to build capacity regarding monitoring marine plastic pollution in Africa.

TAG 1 TAG 2 TAG 3 TAG 4

**ONLINE COURSE**  
**Marine Litter and Legal Framework**

The course informs reports on waste economy, as well studies. The methodology UNITAR's Guidance implementing national management systems national waste management moving from chal...

TAG 1 TAG 2

# Data Hub

Over 80 indicators across the plastics lifecycle visualized at global and country level

GPML Global Partnership on Plastic Pollution and Marine Litter

Knowledge Hub ▾ Data Hub ▾ Community Hub ▾

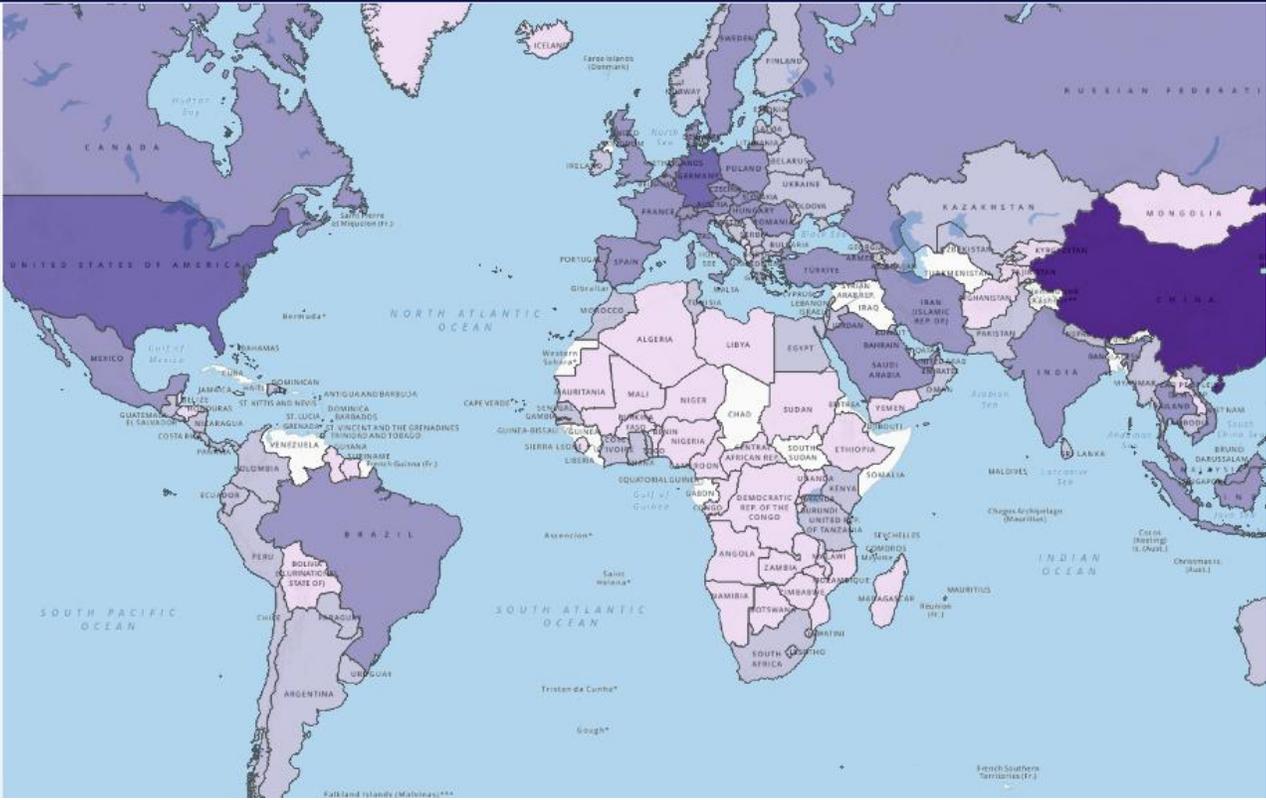
TOPICS

Trade

Import >

Export ▾

- Total plastic - value (export) ⓘ
- Total plastic - weight (export) ⓘ
- Plastic in primary form - value (export) ⓘ
- Plastic in primary form - weight (export) ⓘ
- Intermediate forms of plastic - value (export) ⓘ
- Intermediate forms of plastic - weight (export) ⓘ
- Intermediate manufactured plastic goods - value (export) ⓘ
- Intermediate manufactured plastic goods - weight (export) ⓘ
- Final manufactured plastic goods - value (export) ⓘ
- Final manufactured plastic goods - weight (export) ⓘ
- Plastic waste - value (export) ⓘ
- Plastic waste - weight (export) ⓘ
- Plastic packaging - value (export) ⓘ
- Plastic packaging - weight (export) ⓘ



Waste Management

GPML Global Partnership on Plastic Pollution and Marine Litter

Search Country ▾

Trade

Waste Management

Legacy Plastics

Governance

## Explore Country Dashboard

The Country Dashboard allows you to access key plastic datasets of countries, plastics in the environment and governance.

By doing so, it can facilitate evidence-based policy making and action planning at the sa

Search for a country... ▾



# Data Hub: country dashboard

Visualize UNCTAD trade data on plastics imports and exports

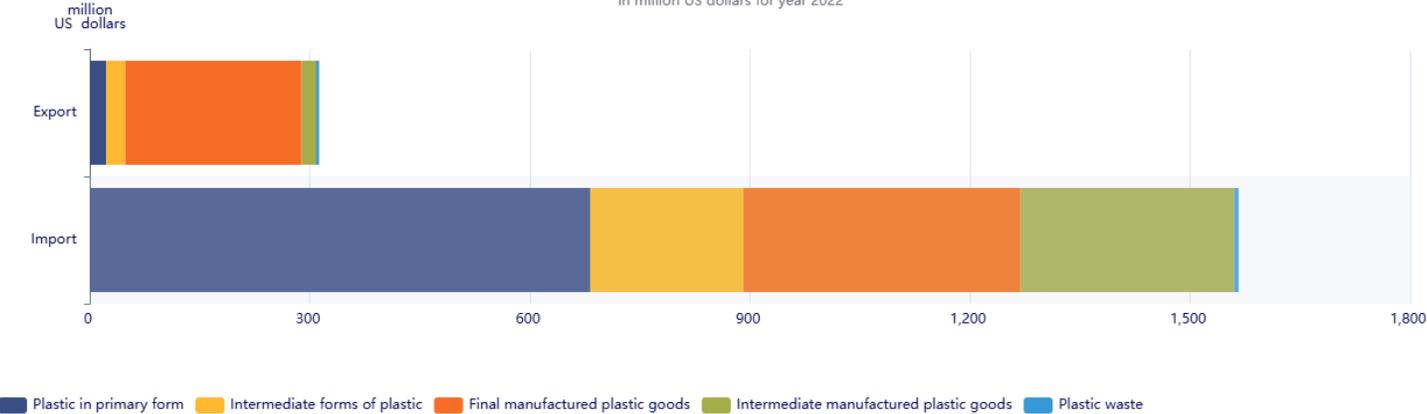
← NATIONAL DATA

Kenya

- Trade
- Waste Management
- Legacy Plastics
- Governance

## Plastic import & export value for Kenya

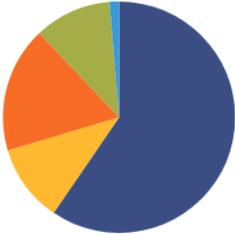
in million US dollars for year 2022



Data source: UNCTAD 2022

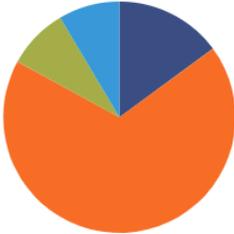
## Plastic import by type for Kenya

In 1000 metric tons for year 2022



## Plastic export by type for Kenya

In 1000 metric tons for year 2022



[View Global Data →](#)



# Data Hub: country dashboard

Visualize data on plastic waste management

Kenya

Trade

Waste Management

Legacy Plastics

Governance

KENYA

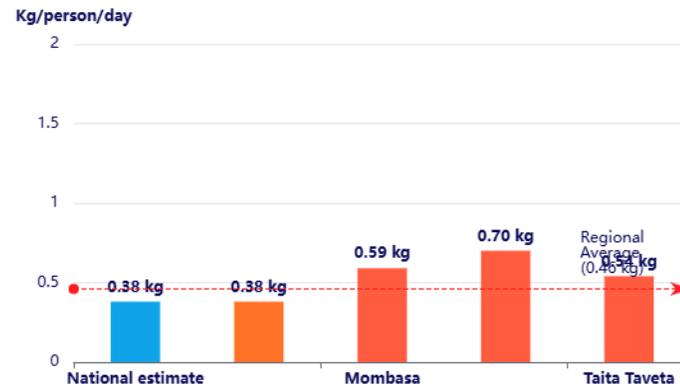
Submit Data Update

An estimated **7,244 thousand tonnes** of municipal solid waste were generated in **Kenya** in **2020**. A study on global waste management modeling showed **49 %** of municipal solid waste is collection coverage, with annual plastic emission including both debris and open burning is **602,475 tonnes per year**, which is equivalent to **12 kg/person/year**. Estimated proportion of the MSW that is being recycled was **[No data]** % in year **[No data]**.

The estimated MSW generation per capita in **Kenya** in **2020** was **0.38 kg** per person per day.

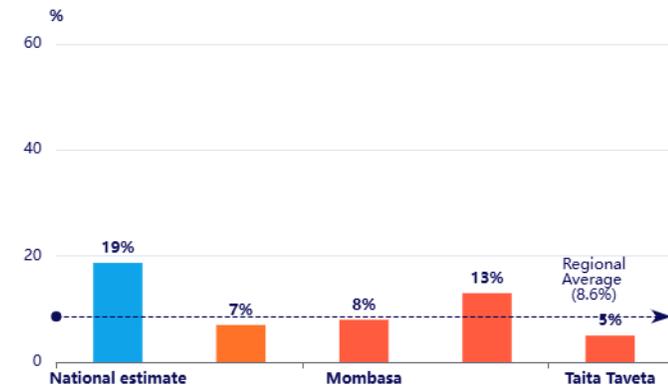
Data from selected city case studies provide further insights into waste management in **Kenya**. Primary data collection through a waste composition survey undertaken recorded that the share of plastic waste within the collected waste was **7%** in **Homabay** in **2023**, and **5%** in **Taita Taveta** in **2023**. The same primary data collection estimated that the per capita MSW generation in **Homabay** was **0.38 kg** and in **Taita Taveta** was **0.54 kg** per person per day.

### Per capita MSW generation for Kenya



Data source: UNEP 2020 and UN Habitat 2021

### Plastic composition in the MSW for Kenya



Data source: World Bank

View Global Data →

# Data Hub: country dashboard

Visualize data on plastics in the environment

Kenya



Trade

Waste Management

Legacy Plastics

Governance

[View Global Data →](#)

KENYA

[Submit Data Update](#)

## Mismanaged plastic waste escaping to the oceans and coasts

An estimated **47.63 %** of the escaped plastic from **Kenya** ends up in the ocean and **52.37%** ends up on the coasts. Mismanaged plastic waste is defined as plastic waste material that is either littered or inadequately disposed. Inadequately disposed waste is not formally managed and includes disposal in dumps or open, uncontrolled landfills, where it is not fully contained. These estimates are based on modelled data combining land-based sources of plastic debris and their modelled movements in the rivers and ocean.

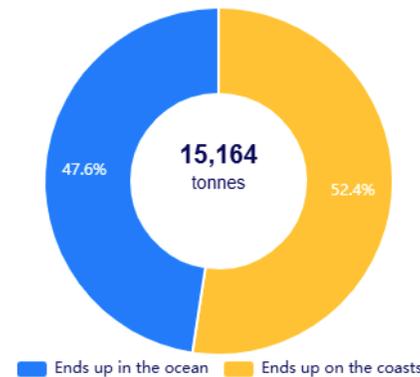
The plastic waste data are derived from global data on municipal solid waste. The used studies estimate the amount of mismanaged waste as well as the part of this waste which enters the ocean, either directly or via rivers. Mismanaged plastic waste from other countries also enters the ocean washing ashore to the coast of **Kenya**. Estimated **48,309 tonnes** of plastic from the ocean reach **Kenya** coast between **2010-2019**.

## Beach litter

The national average count of plastic beach litter items in **Kenya** was **35,808** items per km<sup>2</sup> in **2020**.

## Escaped plastic reaching oceans and coasts

Percentage of the escaped waste between years 2010-2019



Data source: Florida State University and UNEP, 2021

**COUNTRY DEDICATED WORKFLOW**  
 South Africa

88% COMPLETE

Forum

Instructions

National Steering Committee &amp; Project Team 2/2 ▾

Stakeholder Consultations 5/5 ▾

Legislation &amp; Policy Review 5/5 ▾

State of Knowledge on Plastic Data 7/7 ▾

Country Dedicated Workflow 2/2 ▾

National Plastic Strategy 0/2 ▾

Final Review

# Instructions

This workflow tool has been created to assist your team with the development of a plastics strategy for your country. Some key steps are suggested for consideration while in the 'create' phase. The workflow will be further developed to assist with the phase of 'implement', 'report', and 'review.'

The workflow and resources associated with each suggested step are designed to facilitate and accelerate the activities of the 'create' phase of your plastic strategy. Such resources include data, documents, templates, case studies, relevant organizations (governmental and non governmental) as well as individuals active in the space.

[Country Factsheet](#)

## Step 1: National Steering Committee & Project Team

This step assists in the establishment of a National Steering Committee (NSC) with representation from necessary government agencies as well as relevant non-governmental organizations. The NSC should aim to meet 2-4 times per year to assist with and drive the roadmap/strategy/plan. A project team should be established to assist the NSC, consisting of consultants and focal points, to lead the implementation of the project with the guidance of the NSC and UNEP.

## Step 2: Stakeholder consultations

Consultation should aim to understand the current issues faced by various stakeholders, as well as their role in solving the problem (actors) and how proposed activities of the national plastics strategy may affect them positively or negatively. Different stakeholders may also have access to important data. This step of the workflow provides guidance on organizing a comprehensive stakeholder consultation process to ensure all relevant sectors and stakeholders are consulted.

## Step 3: State of Knowledge on Plastic Data

Data is at the core of understanding the issues and current state of play, as well as the tracking of trends to determine effectiveness of the national plastics strategy. This step will help in compiling existing data and information into a State of Knowledge Report. This could include identification of areas in need of additional data collection, leading to additional secondary data collection.

## Step 4: Legislation & Policy Review

An analysis of the legal and policy framework in your country can help identify current goals and targets that the national plastics strategy should aim to achieve, as well as gaps in this framework that the strategy could help close. This allows for the identification of priority areas to track and the type of data needed to do so. In this stage, together with UNEP's guidance, a review and analysis of the legislative and policy landscape as it pertains to marine litter and plastic pollution would be conducted.

## Step 5: National Source Inventory

National plastics strategies should be underpinned by a National Source Inventory (NSI). This step will help in analyzing the data available and collected into a National Source Inventory Report on plastic pollution and marine litter that can inform

COUNTRY DEDICATED WORKFLOW  
South Africa

88% COMPLETE

Forum

Instructions

National Steering Committee & Project Team 2/2

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State of Knowledge on Plastic Data 7/7

Intro

Available Tools

Available Data & Statistics

Data Collection Tools

Calculation of Indicators

Available Information

Summary & Report

Country Dedicated Workflow 2/2

STATE OF KNOWLEDGE ON PLASTIC DATA

# Introduction

Find a presentation summary on the State of Knowledge on Plastic Data, which emphasizes the need to analyze and collect data on plastic pollution and marine litter. Stakeholder input is used to identify data gaps and weaknesses in existing sources, and this information is compiled into a State of Knowledge report. It recommends further data collection as needed, ensuring all project data is made publicly available. Additionally, effective knowledge management through the Global Plastics Hub is encouraged to keep information up-to-date and facilitate data sharing.

[Download State of Knowledge Report Template](#)

[Download Slides](#)

Downloadable reporting template

## Plastic Production - Central Product Classification (CPC)

CPC provides complete product classification. Most relevant ones are below. Industries, plastic manufacturers associations or similar type of organization in the country might have plastic production data according to CPC.

\*Full list of plastic products in CPC will be made available through Statistical Guideline

Plastics in Primary Forms (347)

Semi-manufactures of plastics (363)

Finished Plastics Products - 100% plastics

Plastics containing products - Certain % plastics

**Plastics in Finished Products (364, 369, etc.)**

Global Partnership on Plastic Pollution and Marine Litter

Step-by-step technical guidance



Search The Partner Network

BROWSE THE COMMUNITY BY

Resource Type ▾

Organisations
  Individuals

Geography ▾

Africa
  Asia
  East Asian Seas

Europe
  Latin American and Caribbean

Least Developed Countries
  LLDCs

SIDs

Countries

**INDIVIDUAL**

**Sarah C.** 

Information Management Specialist @ United Nations Environment

**ORGANISATION**

**LDS Earth Stewardship**

**ORGANISATION**

**United Nations Environment Programme (UNEP)**



**ORGANISATION**

**5 Gyres Institute**



**ORGANISATION**

**Asociación Vertidos Cero; para la Prevención, Minimización y...**



**ORGANISATION**

**Blue Life Ecoservices**



**ORGANISATION**

**Chinese Research Academy of Environmental Sciences (CRAES)**



**ORGANISATION**

**Data and Information Network Regional Activity Center (DINRAC) of...**



**ORGANISATION**

**The Food and Agriculture Organization (FAO)**



**ORGANISATION**

**Global Action Team of Plastics Associations for Solutions on Marin...**

**ORGANISATION**

**Gulf of Alaska Keeper (GoAK)**



**ORGANISATION**

**Gulf of Maine Lobster Foundation (GOMLF)**



**ORGANISATION**

**Hellenic Marine Environment Protection Association...**



**ORGANISATION**

**International Maritime Organization (IMO)**



**ORGANISATION**

**Jamaica Environment Trust**



**ORGANISATION**

**Kewkradong Bangladesh**



**ORGANISATION**

**Global Garbage**



**ORGANISATION**

**Ministry of the Environment and Water Resources, Singapore**



**ORGANISATION**

**Nigerian Meteorological Agency**



**ORGANISATION**

**National Oceanic and Atmospheric Administration (NOAA)**



**ORGANISATION**

**Northwest Pacific Action Plan (NOWPAP), Regional Coordinating Unit...**



**ORGANISATION**

**Ocean Conservancy**



**ORGANISATION**

**Ocean Recovery Alliance**



**ORGANISATION**

**OceanCare**



# Coming up: new features in the next 3 years

Be part of the solution and help to shape the Global Plastics Hub to meet your needs!



**Strengthened science-policy interface** through knowledge and data curation to inspire evidence-based policy making and action planning through continuous expansion of the Knowledge Hub, Data Hub and the Country Dedicated Workflow.



**Improved transparency on plastics materials and associated risks** through access to best available science, links to platforms on chemicals, stakeholder dialogues and capacity development, for plastics safety and sustainability.



**Cumulative progress tracking mechanism** that supports countries and stakeholders to track and report progress against global goals with shared Key Performance Indicators and harmonized monitoring and assessment methodologies.



**Increased investments in tangible and bankable projects** through connecting and coordinating key actors, providing capacity development and possible social and technological solutions, utilizing innovative tools.



**AI-powered Solutions Hub** providing data-driven policy recommendations and solutions for plastic pollution prevention and mitigation, trained with existing data and resources available on the platform to be able to generate tailored recommendations.



**Inclusive and Empowered Action:** Strengthened gender awareness in plastic action, increased youth engagement for innovative solutions, improved accessibility for persons with disabilities, fostering broader participation in environmental decision making.

# Join the GPML and sign up for the Global Plastics Hub!

Stay tuned with the GPML latest news and events!  
Join our **Newsletter** and follow us on **LinkedIn**.

<https://globalplasticshub.org/>

Contact us: [unep-gpmarinelitter@un.org](mailto:unep-gpmarinelitter@un.org)



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