

THE GLOBAL PLASTICS HUB

The one-stop platform for data,
knowledge, and collaboration
to end plastic pollution.

Workspace



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!

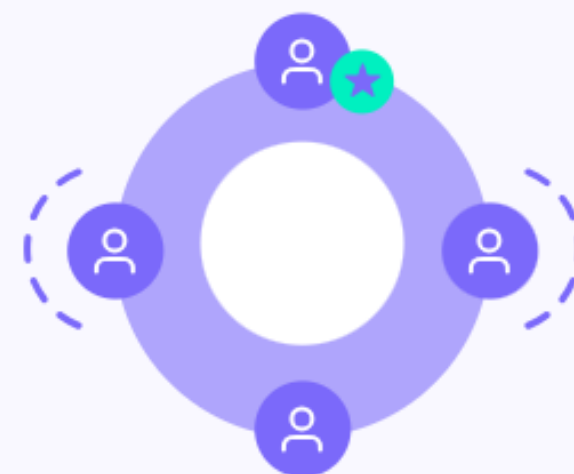


DATA HUB

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!

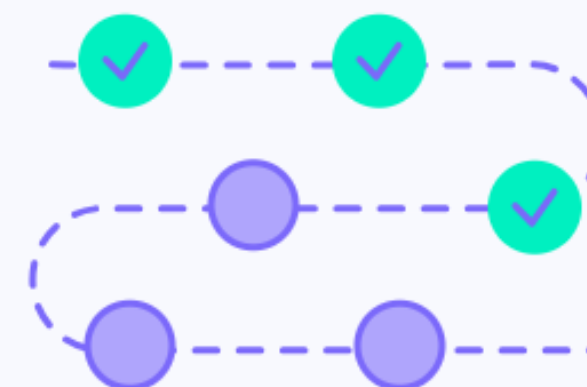


COMMUNITY HUB

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

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

Grid of resource cards:

- 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 for the Marking of Fishing...
- 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 aparejos de pesca perdidos:...
- TECHNICAL RESOURCE: Déclaration et récupération des engins de pêche perdus:...

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 as studies. The methodology is based on UNITAR's Guidance on implementing national waste management systems, moving from challenges to solutions.
TAG 1 TAG 2



Data Hub

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

The screenshot shows the GPML Data Hub interface. At the top left is the GPML logo and the text "Global Partnership on Plastic Pollution and Marine Litter". To the right of the logo are navigation links: "Knowledge Hub", "Data Hub", and "Community Hub". Below the navigation is a "TOPICS" section with a "Trade" sub-section. Under "Trade", there are "Import" and "Export" categories. The "Export" category is expanded, showing a list of 16 indicators with toggle switches and information icons. The indicators are: 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), and Plastic packaging - weight (export). To the right of the list is a world map where countries are color-coded according to the selected indicators. The map shows a color gradient from light purple to dark purple, with China and India appearing in the darkest shade.

The screenshot shows the "Explore Country Dashboard" section. At the top right are navigation links: "Knowledge Hub", "Data Hub", and "Community Hub". Below the navigation is the section title "Explore Country Dashboard". Underneath is a dropdown menu with the text "Select a Country to Get Started". Below the dropdown is a paragraph of text: "The GPML Country Dashboard provides a comprehensive snapshot of plastic flows in both the economy and the environment for each country. It consolidates data from best available global datasets into one accessible platform, aiming to support evidence-based policymaking and action planning. Additionally, it helps identify data gaps that require further collection efforts in specific countries." Below this paragraph is another paragraph: "The data featured on the Country Dashboard comes from reliable sources, including country reports on the Sustainable Development Goals, as well as modeled global estimates from UN agencies, academic institutions, and recognized research organizations. All data sources are clearly indicated, including links to the original methodologies and any information regarding uncertainties related to the modeling outputs." At the bottom of the section is a footnote: "* You are currently viewing the beta version of the Country Dashboard, and we welcome your feedback on its usability and content. We particularly welcome suggestions for updated and improved data sources for your country. To request a data update, please use the 'Submit Data Update' button within your Country Dashboard section."



Data Hub: country dashboard

Visualize UNCTAD trade data on plastics imports and exports

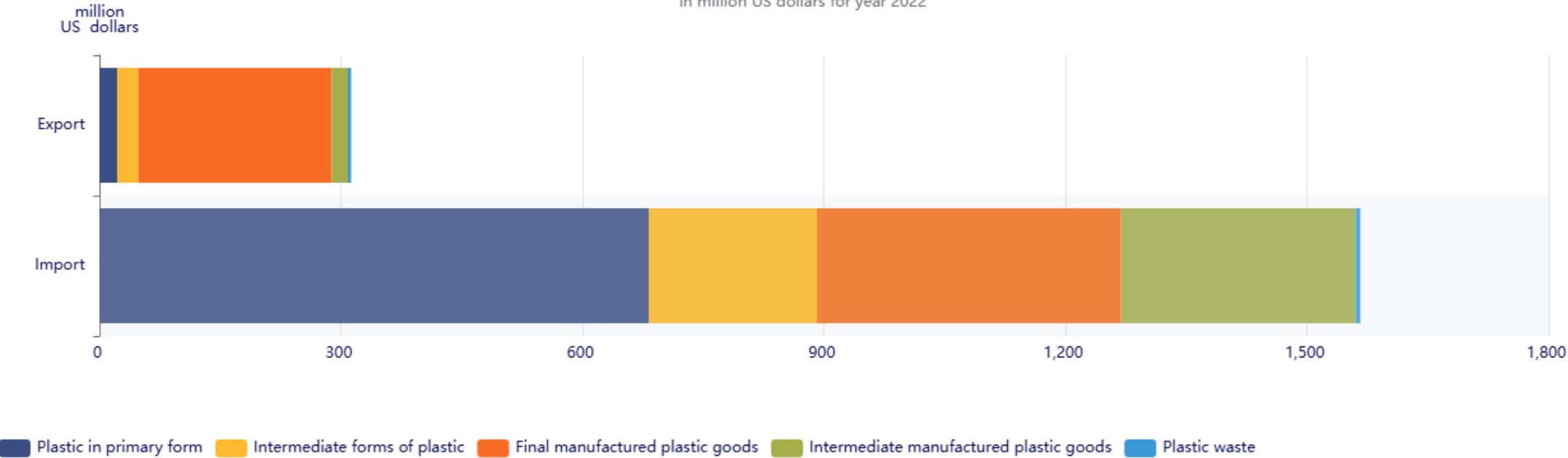
← NATIONAL DATA

Kenya

- Trade
- Waste Management
- Legacy Plastics
- Governance

Plastic import & export value for Kenya

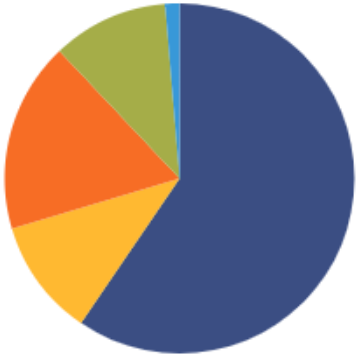
in million US dollars for year 2022



Data source: UNCTAD 2022

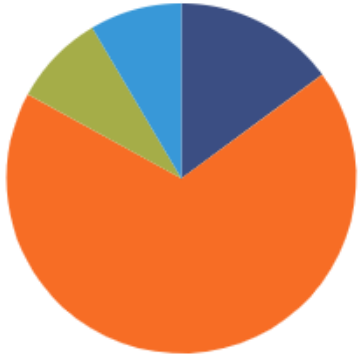
Plastic import by type for Kenya

In 1000 metric tons for year 2022

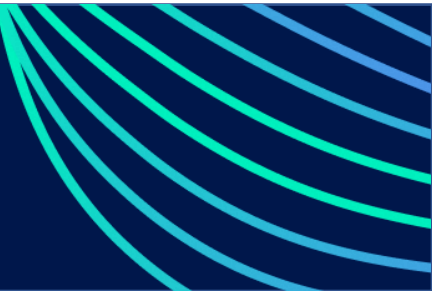


Plastic export by type for Kenya

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

Submit Data Update

KENYA

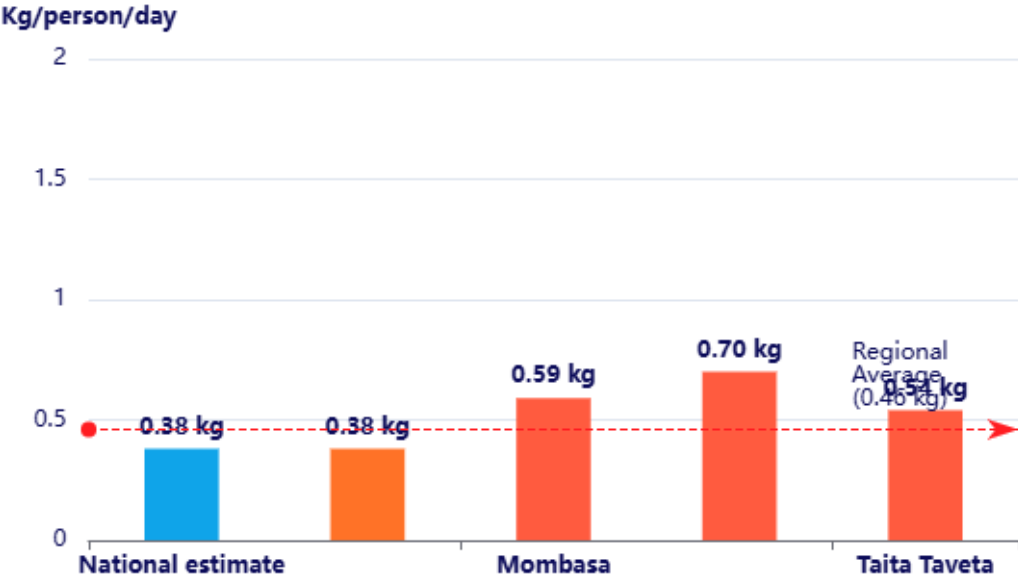
An estimated **7,244 thousand tonnes** of municipal solid waste were generated in **Kenya** in **2020**. A study on global waste management modeling showed **49 %** of municipal solid waste is collection coverage, with annual plastic emission including both debris and open burning is **602,475 tonnes 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.

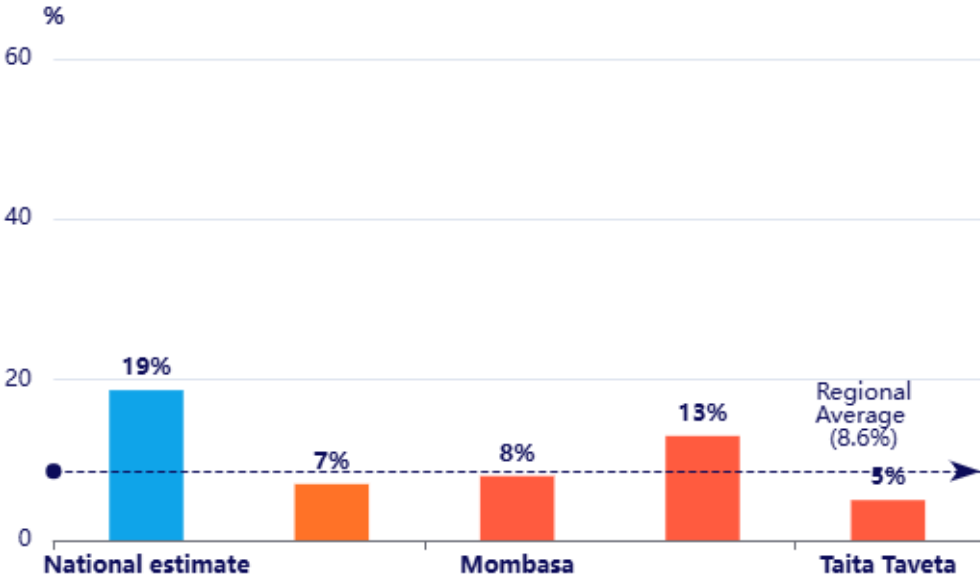
View Global Data →

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



Global Partnership on Plastic Pollution and Marine Litter

Data Hub: country dashboard

Visualize data on plastics in the environment

Kenya

Trade

Waste Management

Legacy Plastics

Governance

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**.

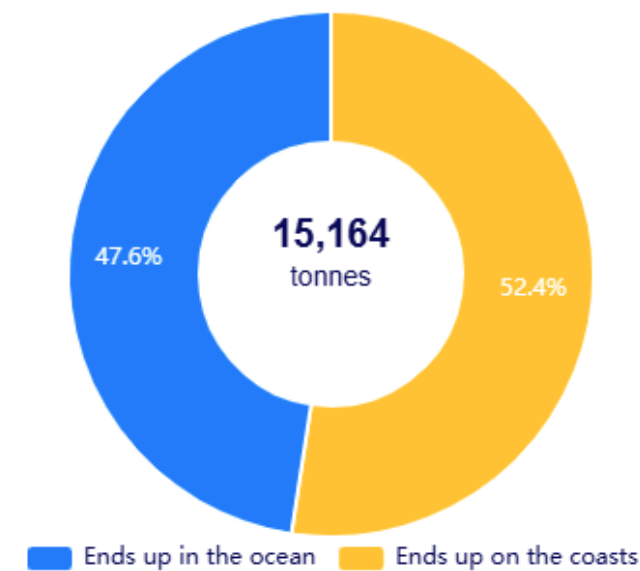
Estimated **48,309 tonnes** of plastic from the ocean reach **Kenya** coast between **2010–2019**.

Beach litter

The national average count of plastic beach litter items in **Kenya** was **35,808** items per km² in **2020**.

Escaped plastic reaching oceans and coasts

Percentage of the escaped waste between years 2010-2019

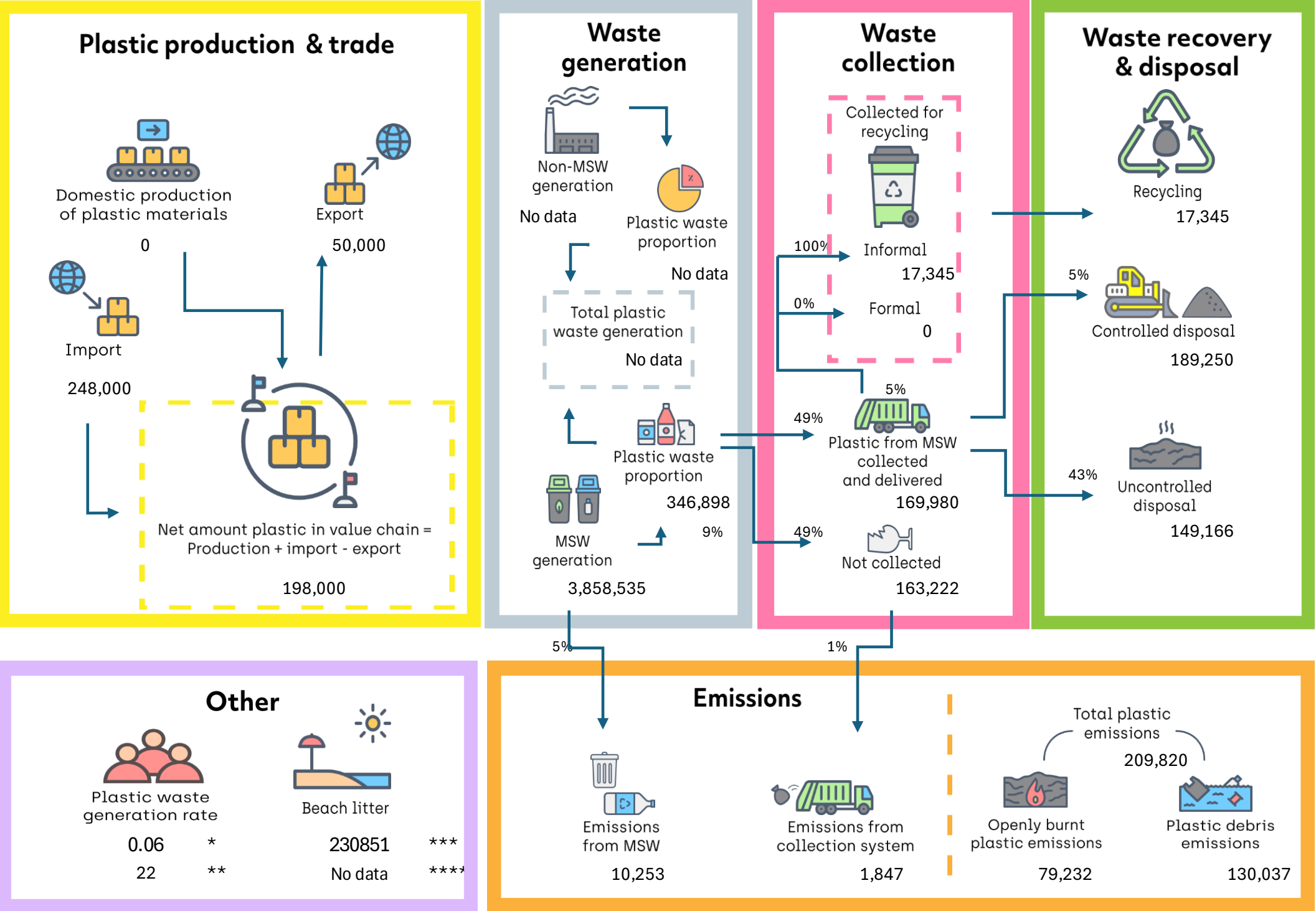


Data source: Florida State University and UNEP, 2021

View Global Data →

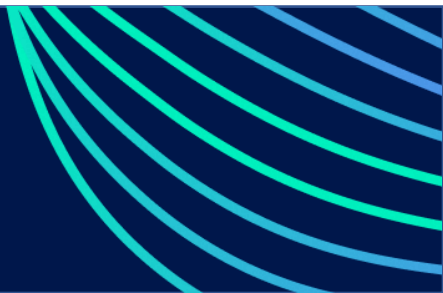
Data Hub: country dashboard

Attempt is made to map the global datasets made available on GPH to see data consistency and gaps



Values are in metric tonnes per year unless stated otherwise

- * kg/capita/day
- ** kg/capita/year
- *** items per km²
- **** tonnes per km²





COUNTRY DEDICATED WORKFLOW South Africa

88% COMPLETE

Forum

Instructions

National Steering Committee & Project Team 2/2

Stakeholder Consultations 5/5

Legislation & Policy Review 5/5

State of Knowledge on Plastic Data 7/7

National Source Inventory 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 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 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 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 i

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 propo Different stakeholders may also have access to important data. This step of the workflow provides guidance on organizing a comprehensive stakeholder co

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 plastic 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 a 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 legis conducted.

Step 5: National Source Inventory

National plastic 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

Revised Steps

Instructions

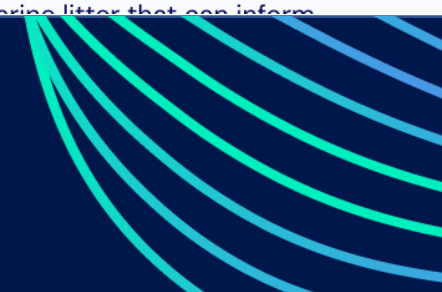
1. National Steering Committee
Intro
Setup your team

2. Stakeholder Consultations
Intro
Case Studies
Initiatives
Summary and Report

3. Legislation & Policy Review
Intro
Identification of Existing instruments
Case Studies
Summary & Report

4. National Source inventory
Intro
Plastics in Economy
Plastic Waste Management
Plastics in the Environment
National Source Inventory Data Mapping
Summary & Report

5. National Action Plan / Strategy
Intro
Policy Options and Infrastructure Investments
Ask AI
Summary & Report



COUNTRY DEDICATED WORKFLOW South Africa

88% COMPLETE

- Forum
- Instructions
- National Steering Committee & Project Team 2/2
- Stakeholder Consultations 5/5
- Legislation & Policy Review 5/5
- 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)	Plastics in Finished Products (364, 369, etc.)	

GPML Global Partnership on Plastic Pollution and Marine Litter

4 Google Slides

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



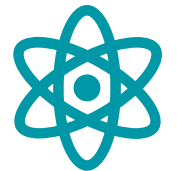
ORGANISATION

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!



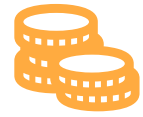
Strengthened science-policy interface through knowledge and data curation to inspire evidence-based policy making and action planning through continuous expansion of the Knowledge Hub, Data Hub and the Country Dedicated Workflow.



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.



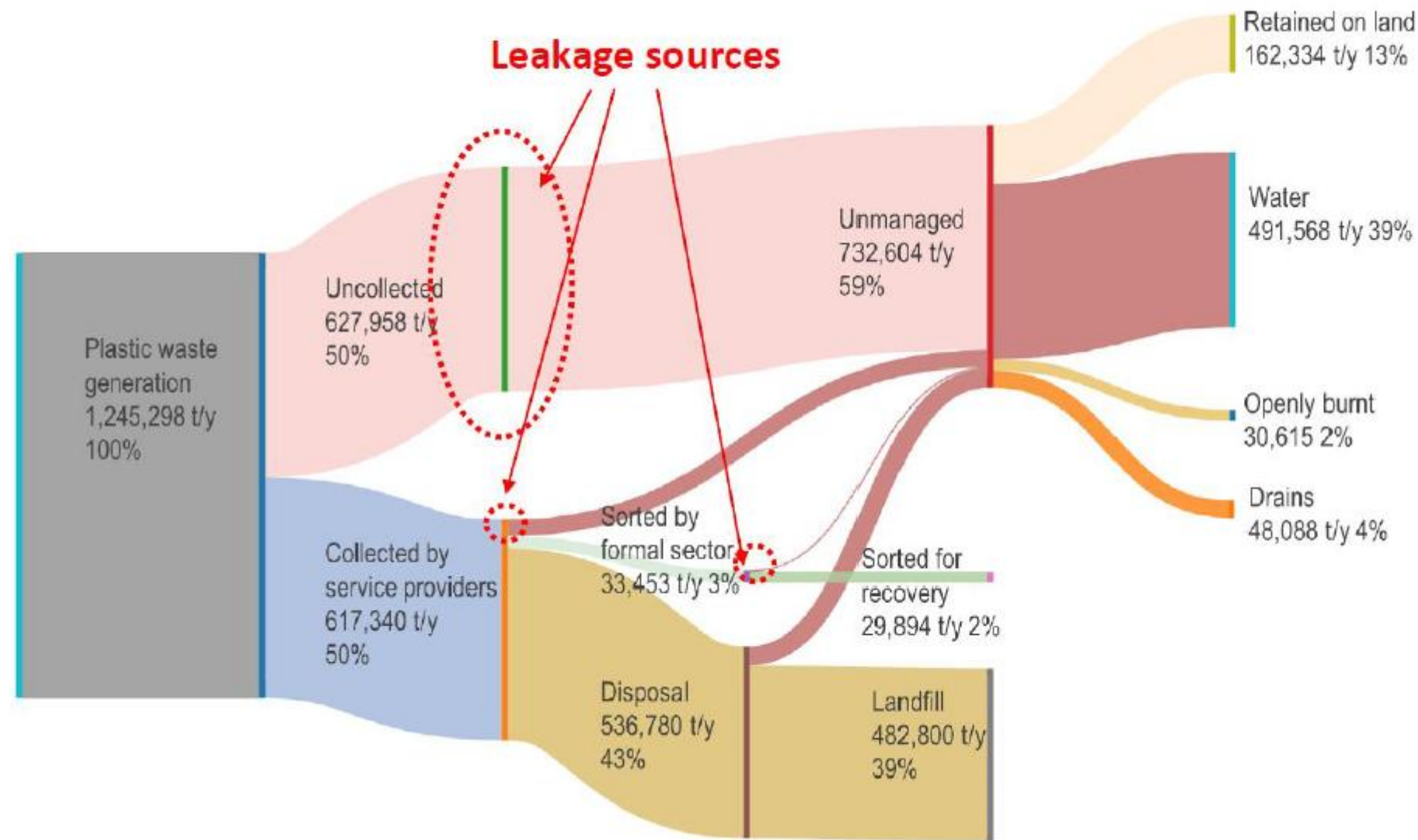
AI-powered Solutions Hub providing data-driven policy recommendations and solutions for plastic pollution prevention and mitigation, trained with existing data and resources available on the platform to be able to generate tailored recommendations.



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.

Power of Data and Collaboration

Example of Lagos, Nigeria: UNEP Web Story Available [here](#).



65% of total plastic waste generated in Mombasa is polluting the environment



**Plastic leakage into body water:
34.2kg/capita/year**



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



Global Partnership
on Plastic Pollution
and Marine Litter

