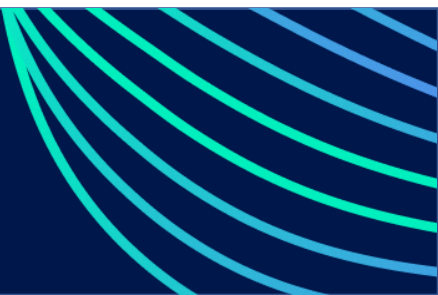


Global Partnership on Plastic Pollution and Marine Litter (GPML) and the Global Plastics Hub

Nao Takeuchi

Source to Pollution Unit, Ecosystem Division, UNEP



GLOBAL PARTNERSHIP ON PLASTIC POLLUTION AND MARINE LITTER (GPML)



706 members from 107 countries, including civil society, private sector, academia & research, government, intergovernmental organisations & more

STEERED BY:

Permanent Members: UNEP, IMO, FAO, GESAMP

Non-permanent Members: Brazil, Canada, Germany, Seychelles, United States, Sri Lanka, Vietnam, Ocean Conservancy, Centre for Marine and Coastal Studies (CEMACS) Universiti Sains Malaysia

Regional Nodes representative: Mediterranean Action Plan

REGIONAL NODES

Caribbean (UNEP-CEP & GCFI)

Mediterranean (UNEP-MAP)

South Asia (SACEP)

Southeast Asia (COBSEA)

Northwest Pacific (NOWPAP & DINRAC)

South Pacific (SPREP)

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 and 5/14
- 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!

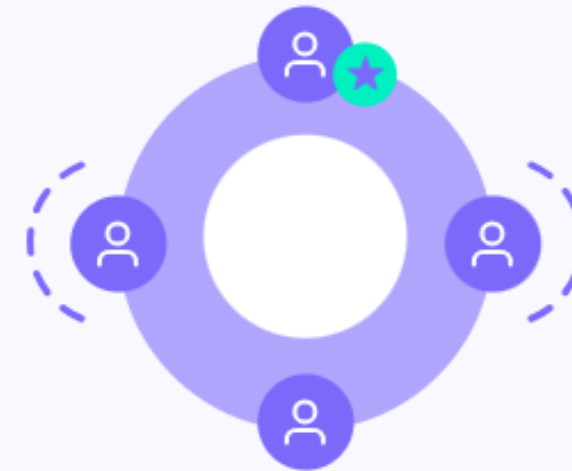


DATA HUB

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!

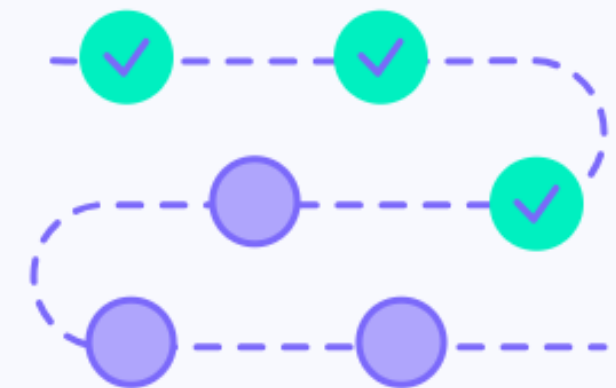


COMMUNITY HUB

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

BROWSE RESOURCES BY

Life Cycle Stage ▾

ProductionConsumption

Waste ManagementLegacy Plastics

Full Life Cycle

Resource Type ▾

ProjectTechnical Resource

TechnologyAction PlanLegislation

Financing ResourceCase Study

InitiativeEventData Portal

Geography ▾

AfricaAsiaEurope

Latin American and Caribbean

Least Developed CountriesLLDCs

SIDs

Countries

Keywords ▾

Keywords

Most Recent First ▾

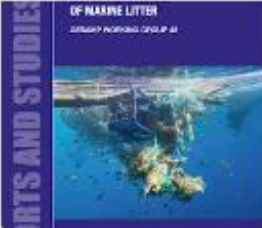
TECHNICAL RESOURCE

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:...





Global Partnership
on Plastic Pollution
and Marine Litter

Knowledge Hub ▾Data Hub ▾Community ▾

Learning Centre

ALLONLINE COURSEMASTERCLASSWEBINAROTHER



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 Pollution

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



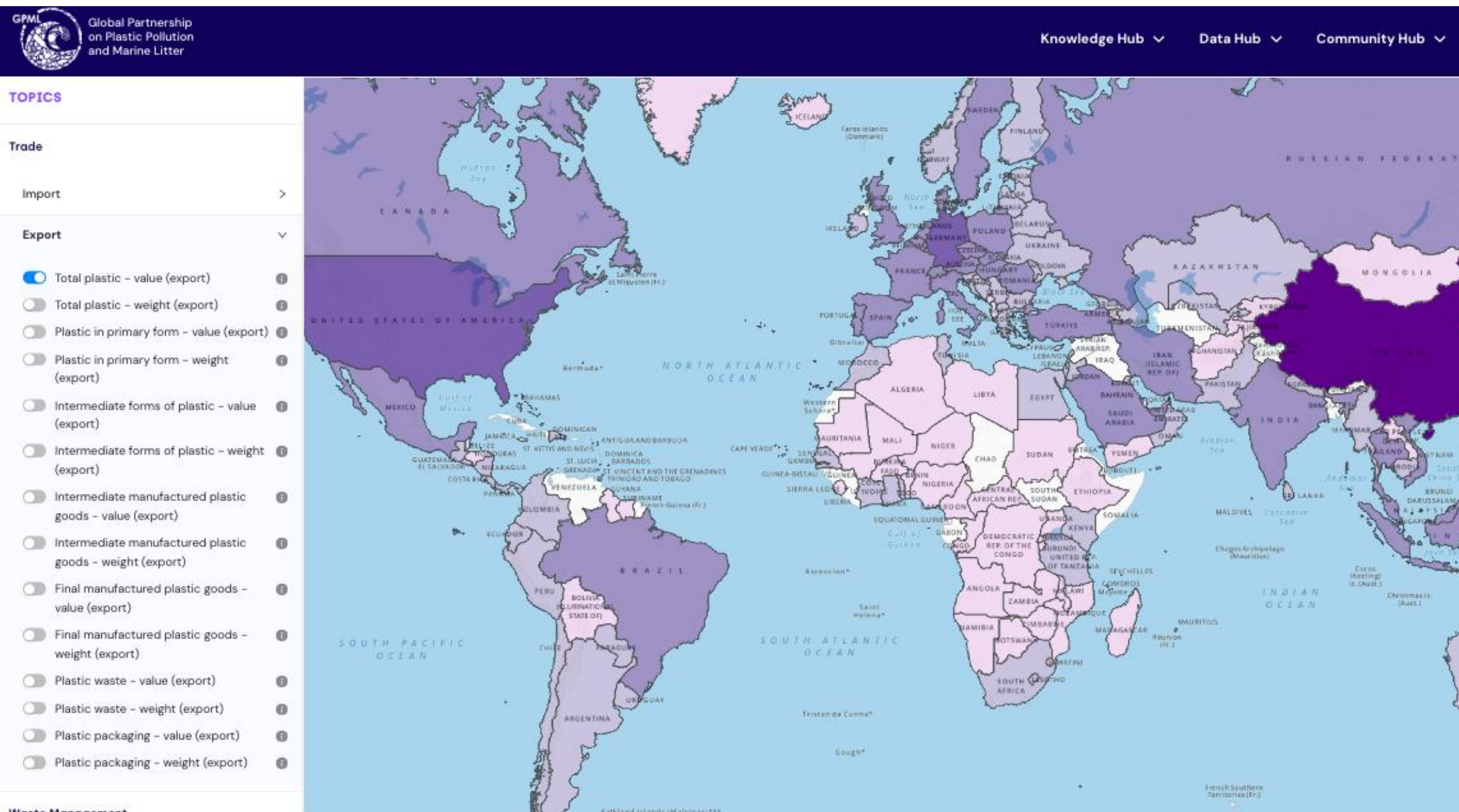
UN
environment
programme



Global Partnership
on Plastic Pollution
and Marine Litter

Data Hub

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



Explore Country Dashboard

Select a Country to Get Started

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.

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.

** 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

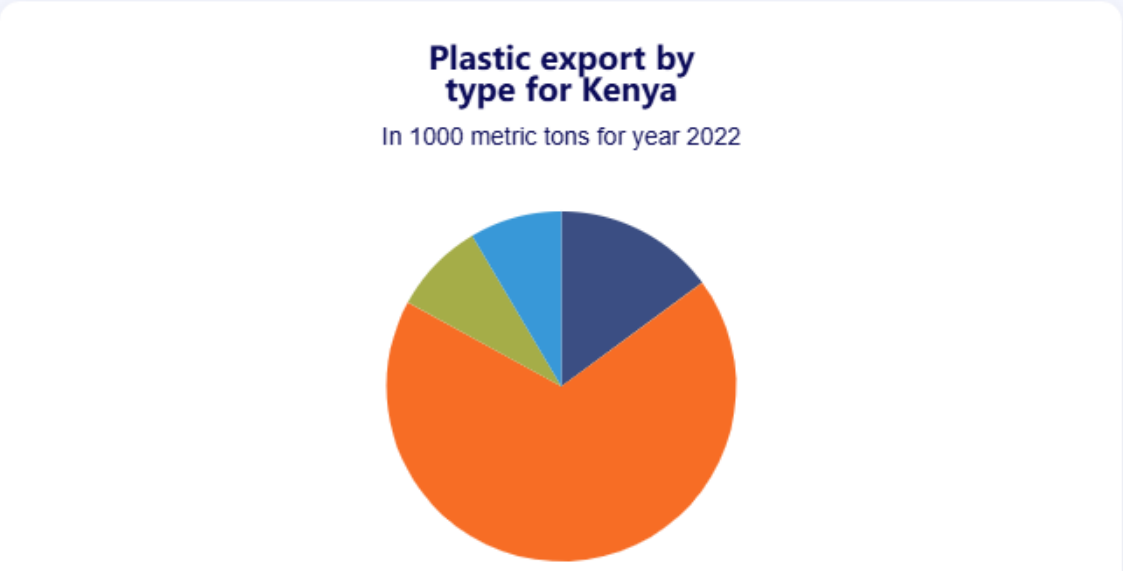
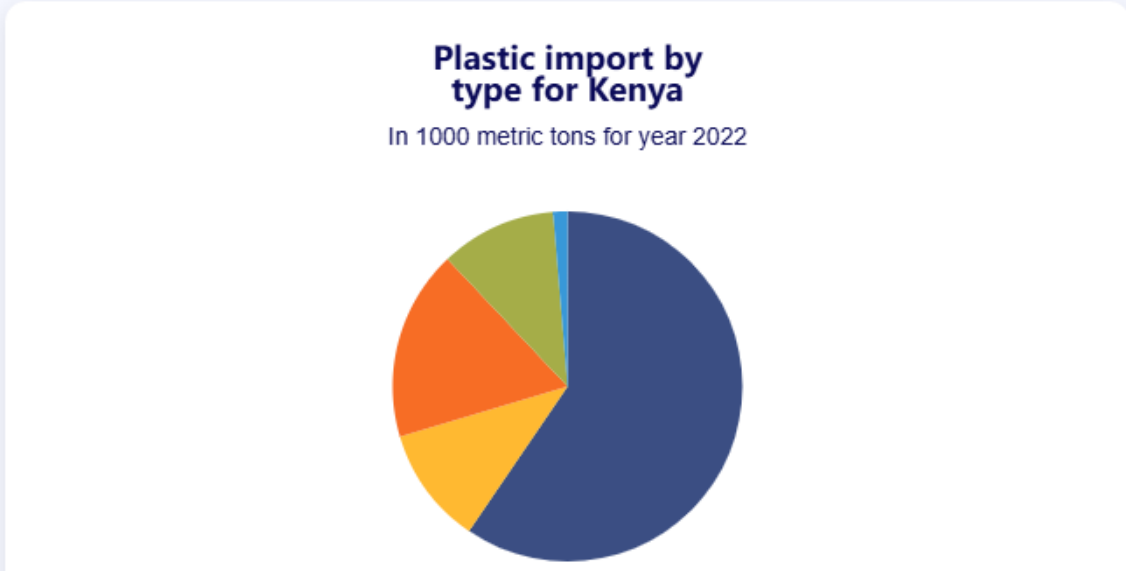
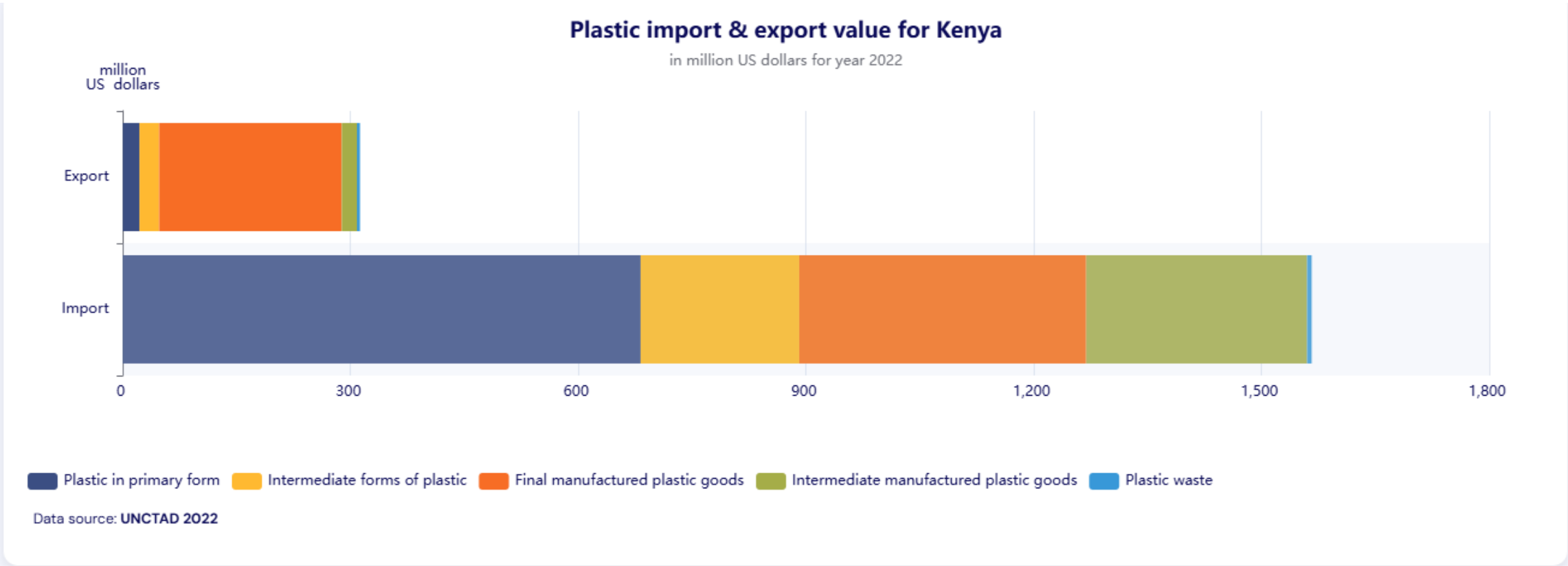
Trade

Waste Management

Legacy Plastics

Governance

View Global Data →



Data Hub: country dashboard

Visualize data on plastic waste management

Kenya

- Trade
- Waste Management
- Legacy Plastics
- Governance

Submit Data Update

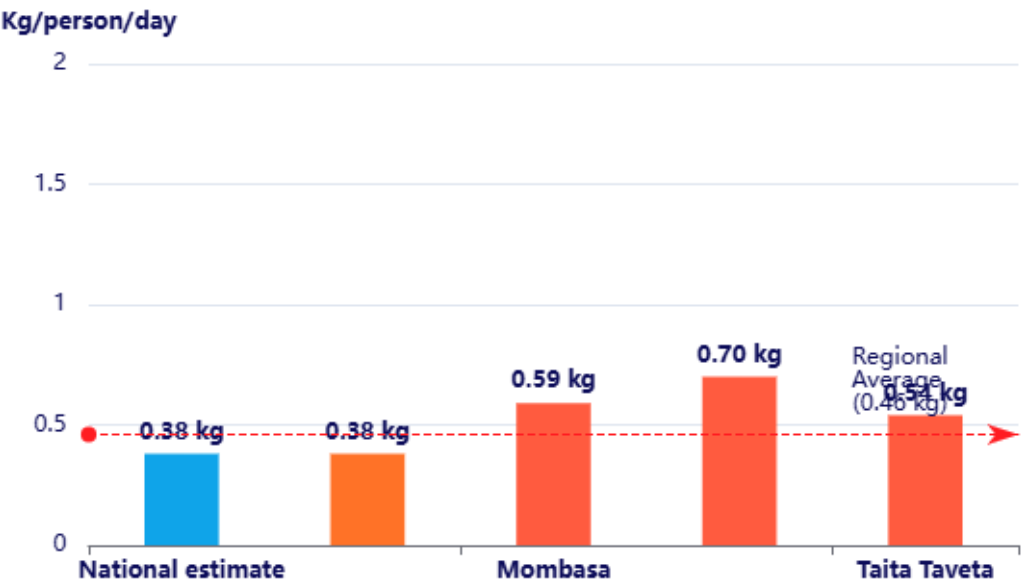
KENYA

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.

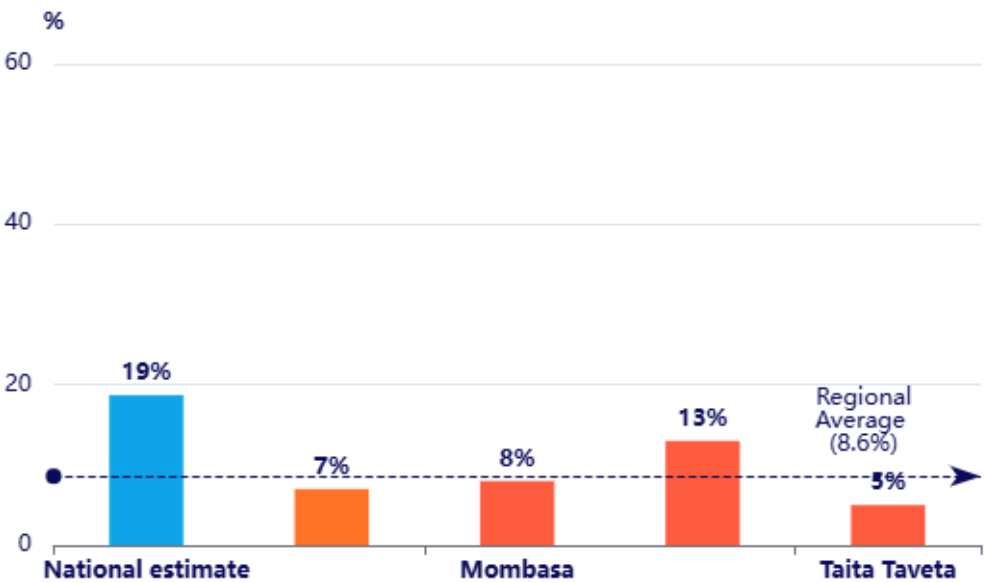
Data from selected city case studies provide further insights into waste management in **Kenya**. Primary data collection through a waste composition survey undertaken recorded that the share of plastic waste within the collected waste was **7%** in **Homabay** in **2023**, and **5%** in **Taita Taveta** 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.

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.

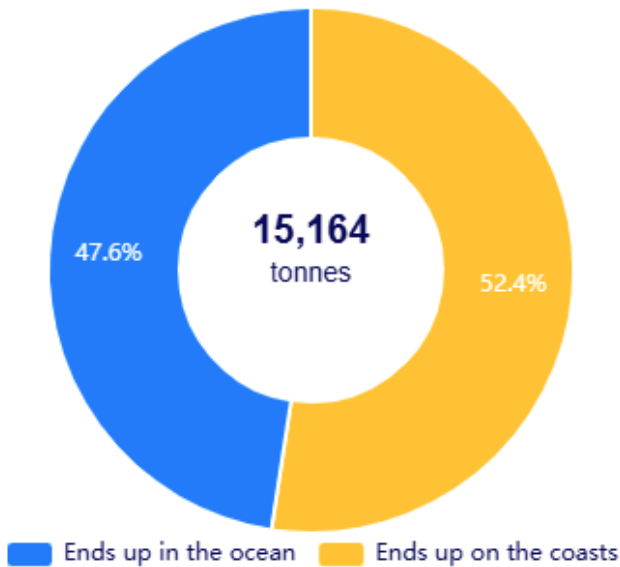
The plastic waste data are derived from global data on municipal solid waste. The used studies estimate the amount of mismanaged waste as well as the part of this waste which enters the ocean, either directly or via rivers. Mismanaged plastic waste from other countries also enters the ocean washing ashore 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 km2 in **2020**.

Escaped plastic reaching oceans and coasts

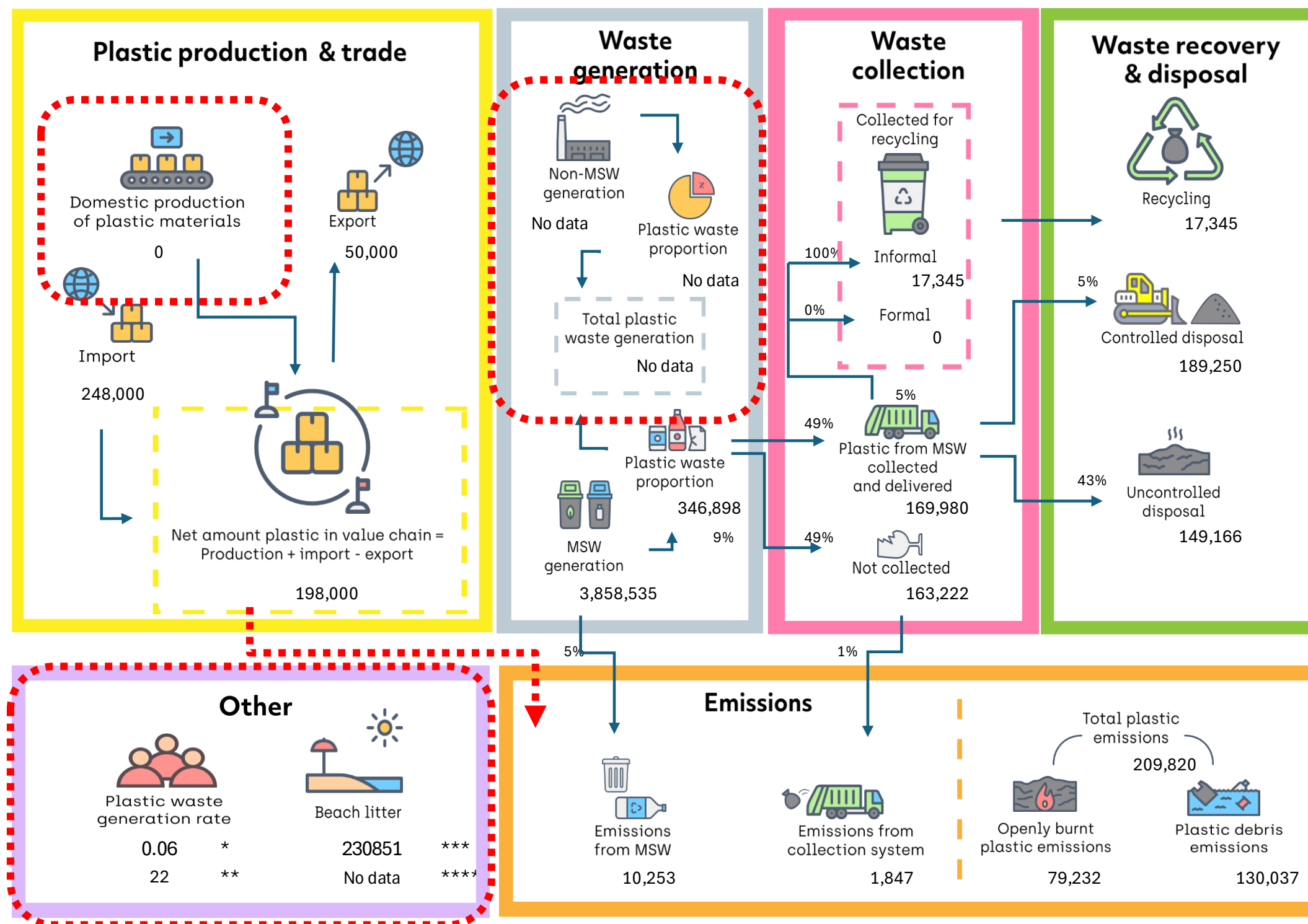
Percentage of the escaped waste between years 2010-2019



Data source: Florida State University and UNEP, 2021

Continued enhancement of country dashboard

Country dashboard is continuously strengthened with country specific datasets

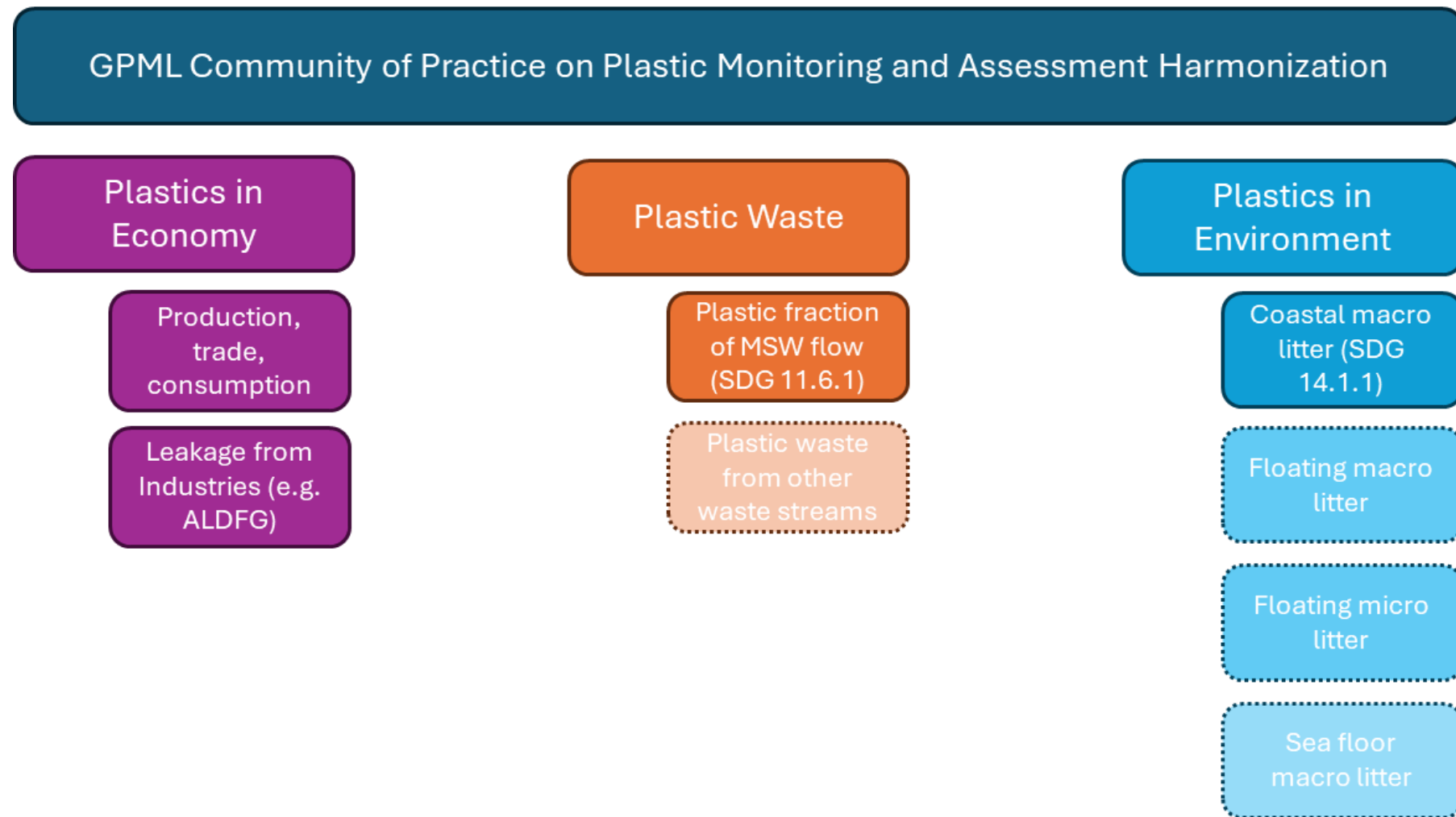


Knowledge and Data Gaps

- Globally harmonized & country disaggregated plastic production data
- Plastic leakage from production, trade and consumption stages
- Plastic waste treatment flow (collection, recovery and disposal) from non-municipal solid waste stream
- Harmonized methodology for plastics in the environment
- Beach litter (Macro coastal litter): many countries lack data

Community of Practice on Plastic Monitoring and Assessment Harmonization

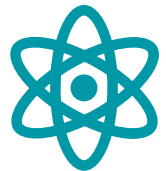
40+ global experts working towards methodology harmonization and global baselines for priority KPIs



- **Developing standardized monitoring guidelines for KPIs:** The CoP can propose the creation of standardized, globally accepted monitoring guidelines for KPIs related to plastic pollution across different stages of the life cycle: trade, circular economy & waste management, and the plastics environment. These guidelines will be essential for ensuring that monitoring efforts align with global goals and provide consistent, comparable data for all countries.
- **Capacity building and data collection assistance:** The CoP can propose the implementation of targeted capacity-building programs to help countries adhere to these monitoring guidelines. This support will include technical assistance and training for robust data collection systems that will contribute to the global plastic pollution database.
- **Identifying a global baseline for KPIs within the next 3 years:** Based on the data collected from the standardized monitoring efforts, the CoP can propose the identification and formulation of a global baseline for the KPIs over the next three years. This baseline could track global progress, set reduction targets, and evaluate the effectiveness of the plastic treaty.

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!



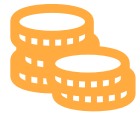
Strengthened science-policy interface through knowledge and data curation to inspire evidence-based policy making and action planning through continuous expansion of the Knowledge Hub, Data Hub and the Country Dedicated Workflow.



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



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