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BANGKOK PLASTICS WEEK

9–12 October 2023 • Bangkok, Thailand

Partner Organizer

SEURECA  VEOLIA in consortium with  DT Global



BANGKOK PLASTICS WEEK

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Presentation Outline

The Global Partnership on Plastic Pollution and Marine Litter (GPML) - Communities of Practice on Data and Action

GPML Digital Platform

The GPML Digital Platform & countries' data across the lifecycle



Partner Organizer



in consortium with



BANGKOK PLASTICS WEEK

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Managing Data from Different Sources at National Level & Global Digital Platform of the GPML

Heidi Savelli

Chief (a.i.) Source to Sea Pollution Unit,
Ecosystems Division, UNEP

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Partner Organizer



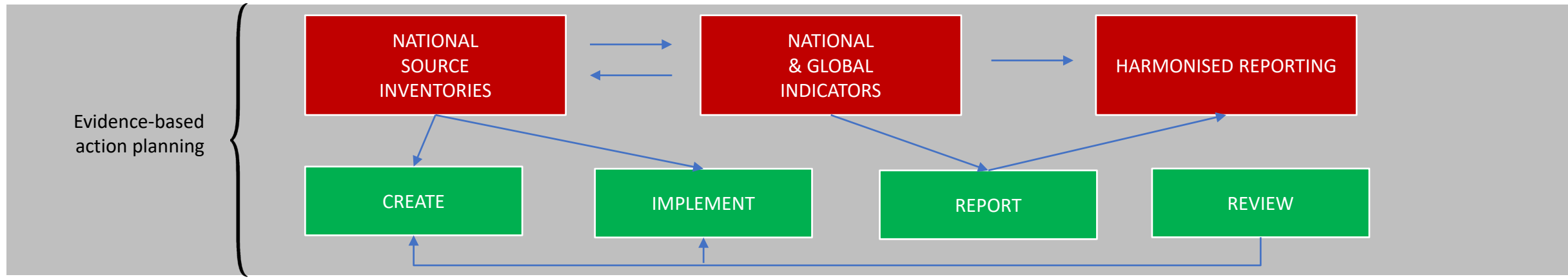
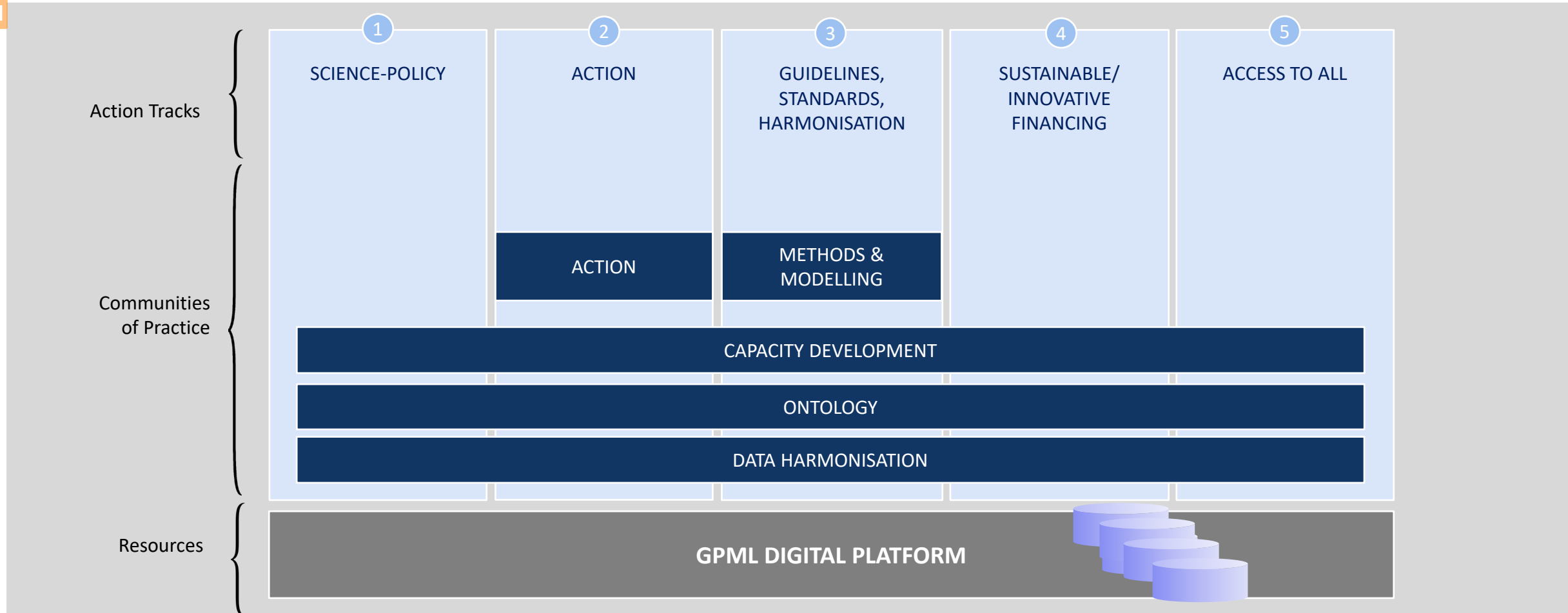
in consortium with



The background features a circular arrangement of various plastic waste items, including bottles, containers, and a six-pack of cans, interspersed with silhouettes of fish and a crab. A dark green horizontal band is centered across the image, containing the title text in white.

The Global Partnership on Plastic Pollution and Marine Litter (GPML)

Communities of Practice on Data and Action



CoP on the Harmonization of Plastic Flow Quantification Methodologies and Models

Some of the organizations that have been engaged:



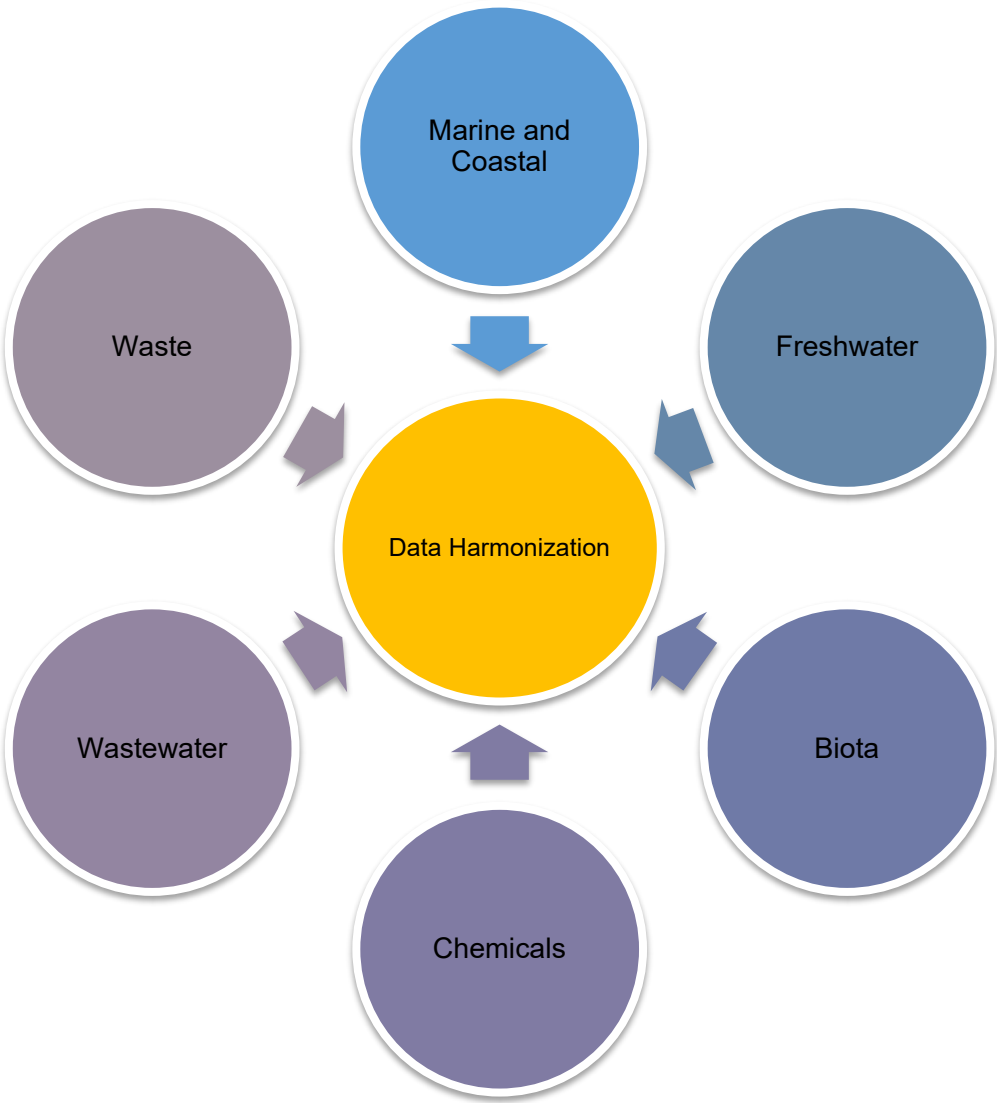
CoP to harmonize approaches for informing and enabling action on plastic pollution and marine litter

Some of the organizations that have been engaged:





Data Harmonization CoP



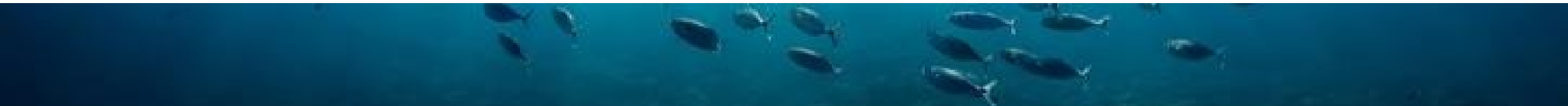
Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



UNIVERSITY OF
GEORGIA



UNEP WCMC



A teal silhouette collage of various items including bottles, containers, and a fish, positioned at the top and bottom of the slide.

GPML Digital Platform:

The personalised workspace & workflow on national source inventories
A step-by-step guide experience to support countries' action

GPML Digital Platform Evolution: Phased Approach

Phases
1-4

February 2021 – September 2022

1. Visualising Resources & Stakeholders
2. Laying Data Hub foundations and testing matchmaking functionalities
3. Data Analysis, Capacity Development & Case Studies to highlight successes
4. Assessing the Effectiveness of Action by Tracking and Measuring Progress

Phase
5

2023 Release

Focus: Driving Change Through Innovation

This will be achieved through the development of:-
Personalized Workspace and Tools

Phase
6

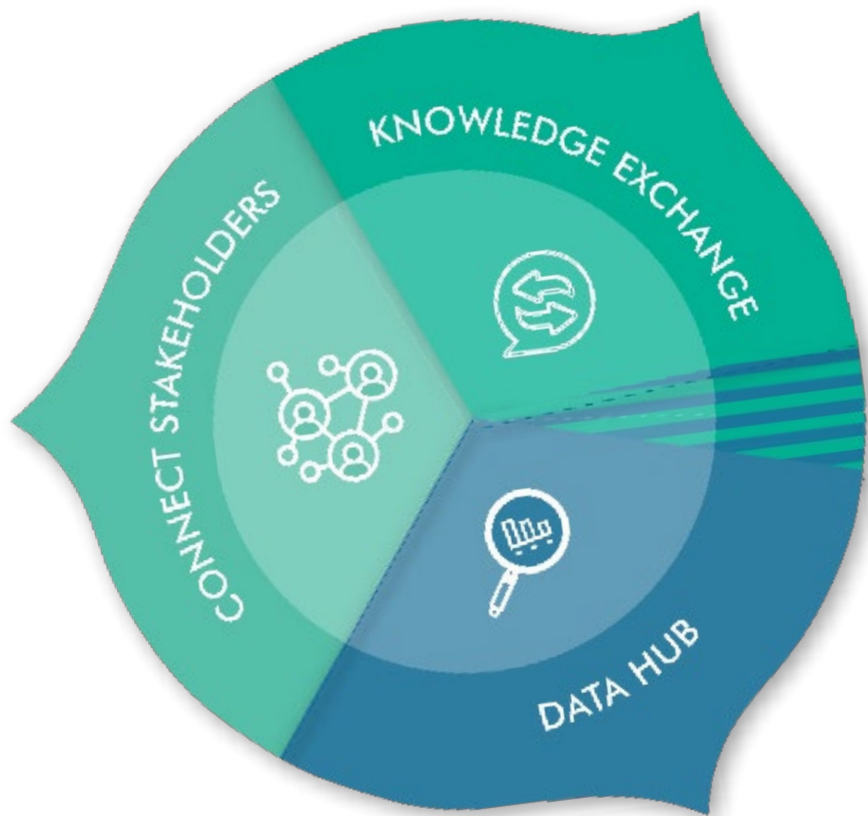
Final Release 2024

Focus:
Scaling for Success



user-centred stakeholder needs and design process

Digital Platform on Plastic Pollution and Marine Litter



March 2022

502

MEMBERS

368

INDIVIDUALS

1210

RESOURCES

195

DATA LAYERS

27.1% increase

253.5% increase

100.5 % Increase

53.8 % Increase

Sept 2023

638

MEMBERS

1301

INDIVIDUALS

2426

RESOURCES

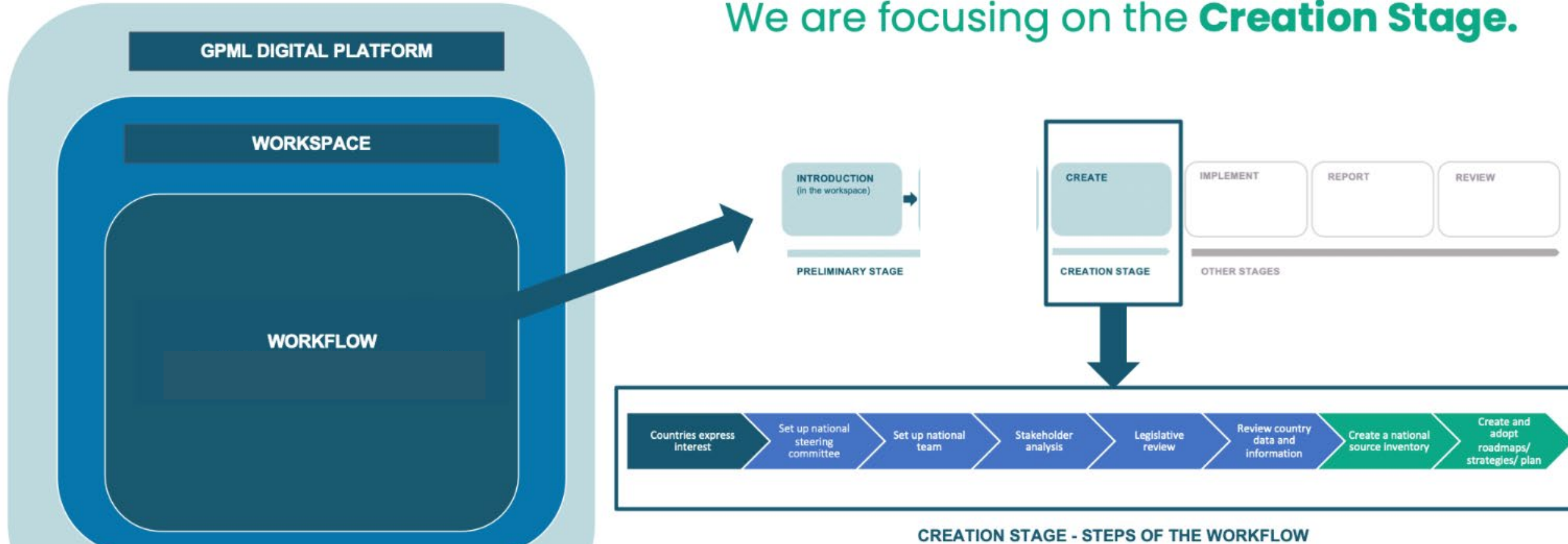
300

DATA LAYERS

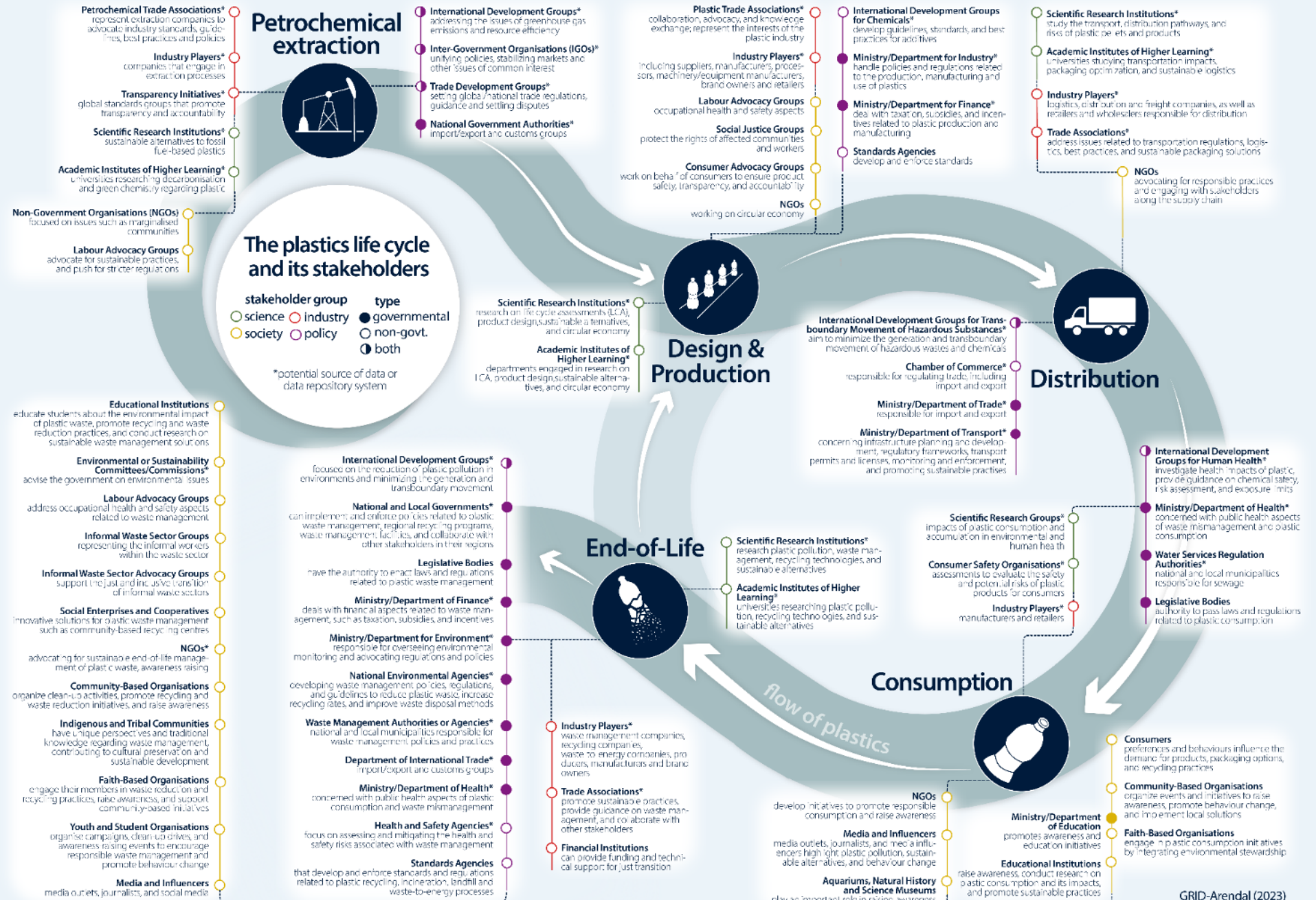
<https://digital.gpmarinelitter.org/>

Concept: Workspace for Governments

We are focusing on the **Creation Stage**.



Stakeholder Engagement & Forum



Legislative & Policy Review

Logo

All ToolsMy Account

PLASTIC STRATEGY
South Africa

57% COMPLETED

Instructions

National Steering Committee & Project Team0/2

Stakeholders Consultation Process0/5

Legislation & Policy Review Report0/5

Intro

Country Policy Framework

Legislative Development Guide

Case Studies

Summary & Report

Data Analysis0/7

National Source Inventory Report0/2

National Plastic Strategy0/2

Final Review

Forum chat

LEGISLATION & POLICY REVIEW REPORT

Country Policy Framework

An overview of the legislative & policy information that applies to the country.

Frame

TagsGeo-coverage

Frame

Policy or Legislation Title

2019POLICY

Policy or Legislation Title

2019POLICY

Policy or Legislation Title

2019POLICY

Policy or Legislation Title

Validated

ACTION PLAN

Mark Completed

Next

Logo

All ToolsMy Account

PLASTIC STRATEGY
South Africa

57% COMPLETED

Instructions

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Country Policy Framework

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Case Studies

Summary & Report

Data Analysis0/7

National Source Inventory Report0/2

National Plastic Strategy0/2

Final Review

Forum chat

LEGISLATION & POLICY REVIEW REPORT

Legislative Development Guide

Access the legislative development guide to make considerations on the evolution of the country's legislative framework.

Legislative Development Guide

Back to Plastic Toolkit

Get link to current status

Step 1. Preliminary considerations

Baseline

Participation

Legal Assessment

Objectives

Regulatory Impact Assessment

Step 2. Choosing a regulatory approach

Before you start

Barriers and Restrictions

Economic Instruments

Standards, Certification, Labelling (Consumer Safety and Environmental Protection)

Post-consumer use/ End of Product Life

Other Measures

Step 3. Legal drafting considerations

Definitions

Transparency

Roles and Responsibilities

Mark Completed

Next

The background of the slide features a repeating pattern of teal-colored icons representing various types of plastic waste. These icons include bottles, containers, a multi-pack of plastic cups, a fish, and other unidentifiable plastic shapes. The pattern is arranged in a way that it appears to wrap around the central text area.

The GPML Digital Platform & countries' data across the lifecycle



MapView

Filter



ENVIRONMENT &
BIOTA IMPACT



GOVERNANCE



CAPACITY
BUILDING



FINANCING

1. Select a topic(s)



Ocean & Coast



Freshwater



Soil



Atmosphere



Microplastics



GHG emissions



Natural resources



Biota



Chemicals



Wastewater

2. Select Data Layer

☒ Threatened Habitat



☐ Transport



☐ Protected Habitat



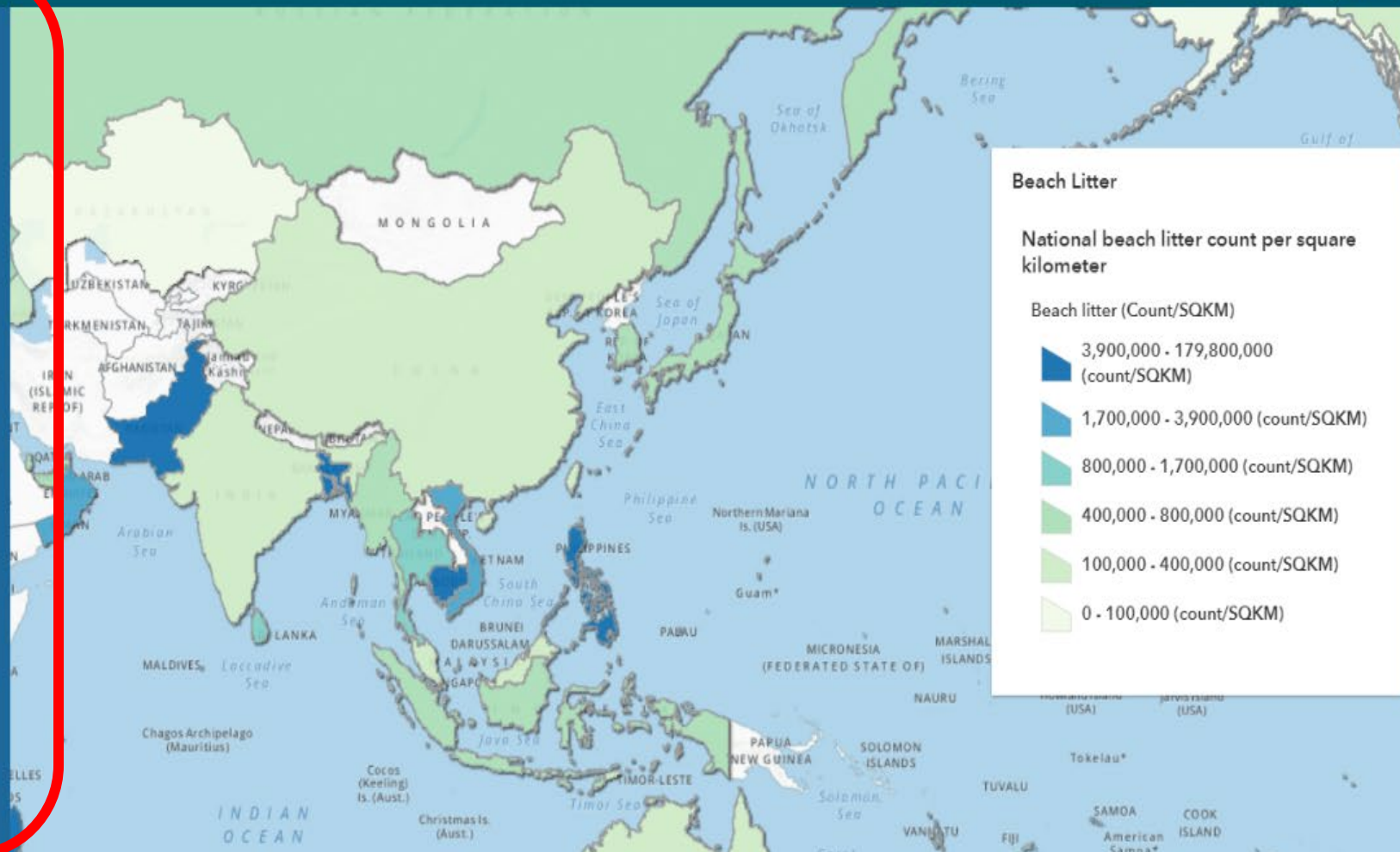
☒ Beach Litter



☐ National beach litter count per square kilometer



☐ Regional beach litter count per square kilometer



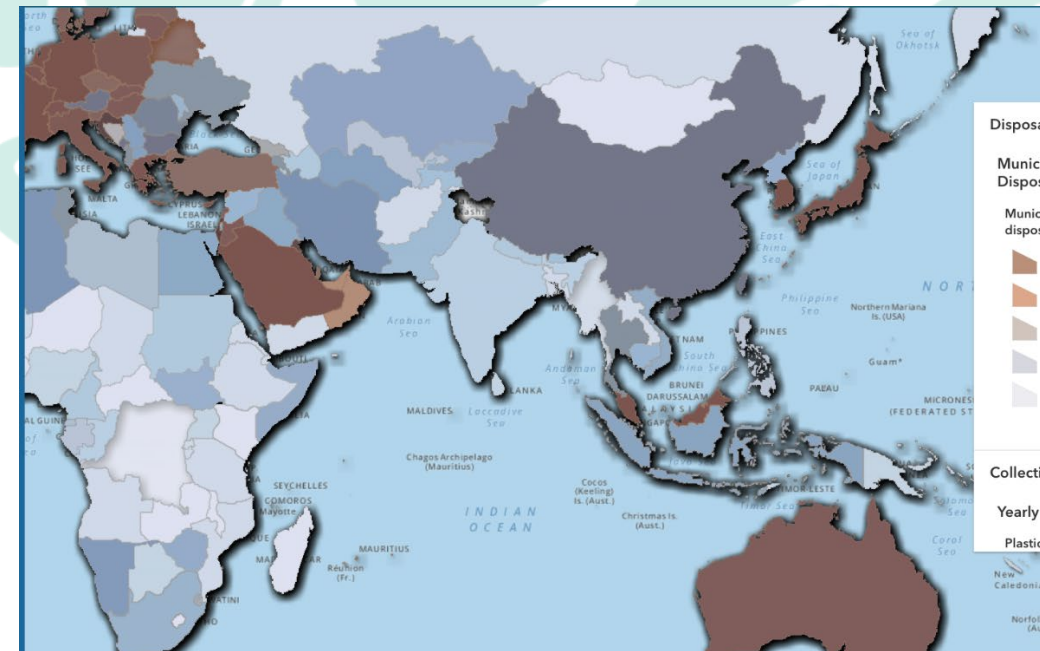
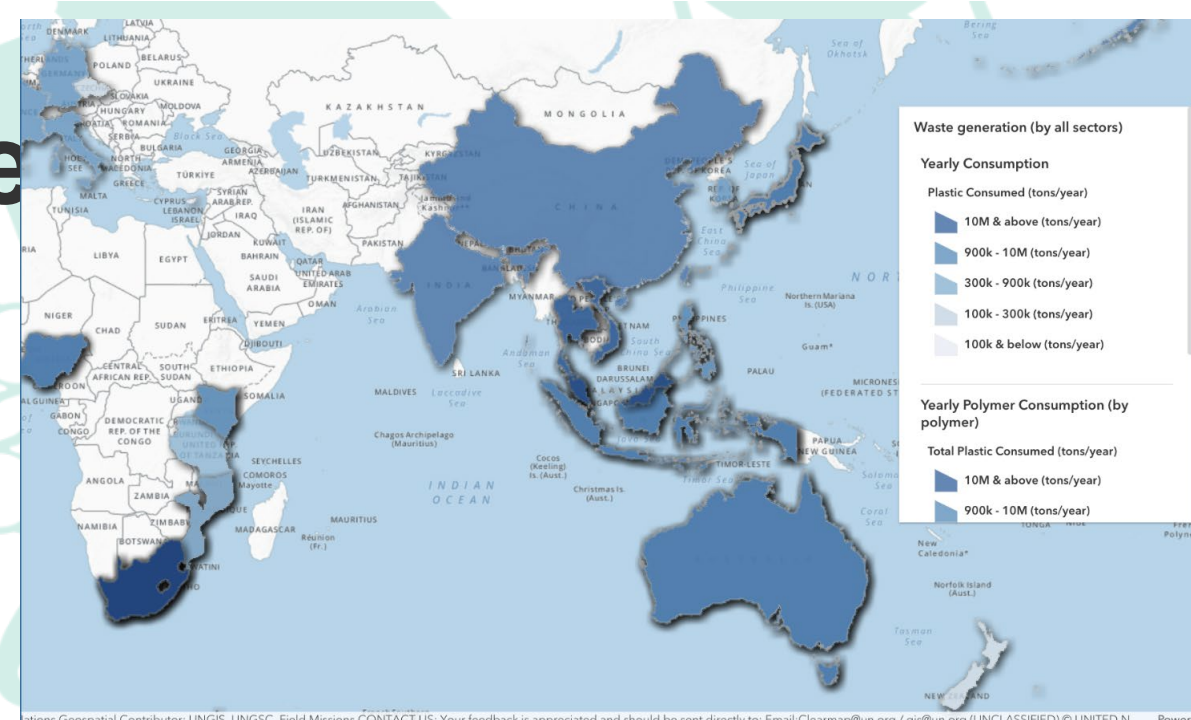
Consumption & waste

- Yearly consumption (tonnes/year)
- Yearly polymer consumption, by polymer (tonnes/year and % of total)
- Yearly resin consumption, by resin (tonnes/year and % of total)
- Yearly generated plastic waste (tonnes/year)
- Yearly per capita generation (kg/capita/year)
- Yearly plastic waste collection (tonnes/year)
- Yearly per capita collection (kg/capita/year)
- Yearly collected (% of generated)
- Municipal solid waste controlled disposal (% of total generation)

Sources: Alliance to End Plastic Waste & University of Leeds



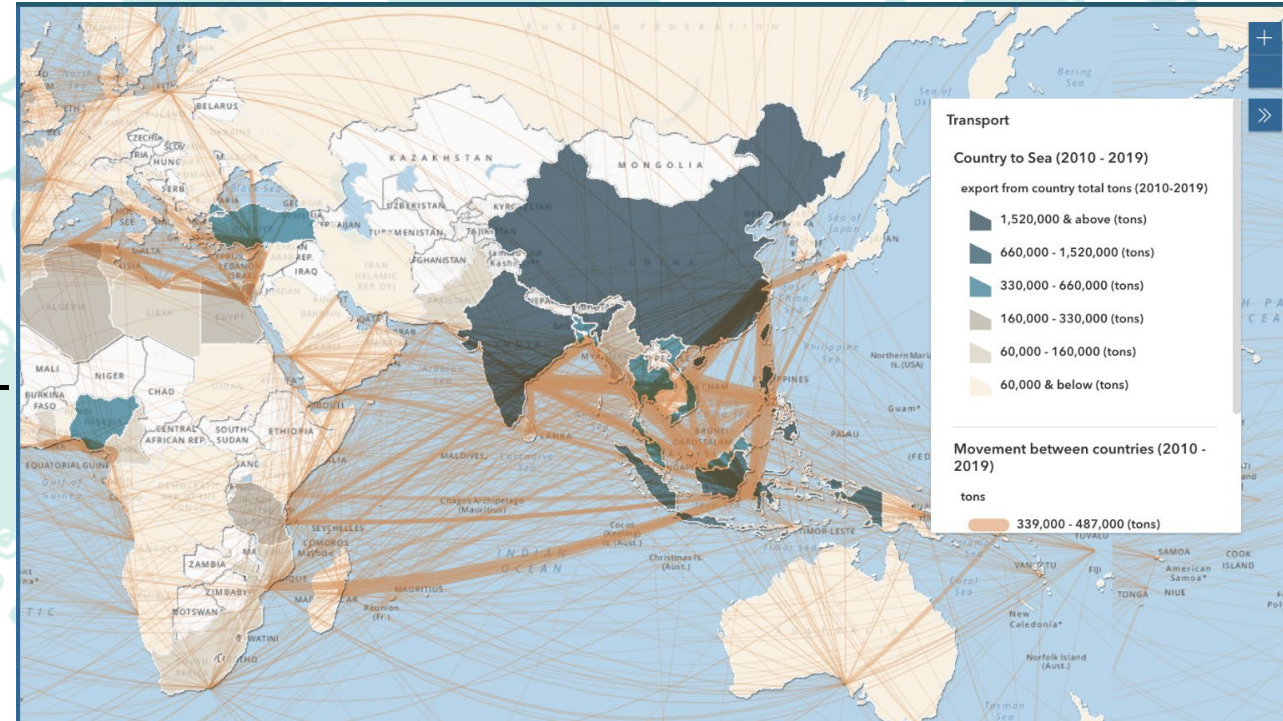
Global Partnership on Plastic Pollution and Marine Litter



Plastic transport

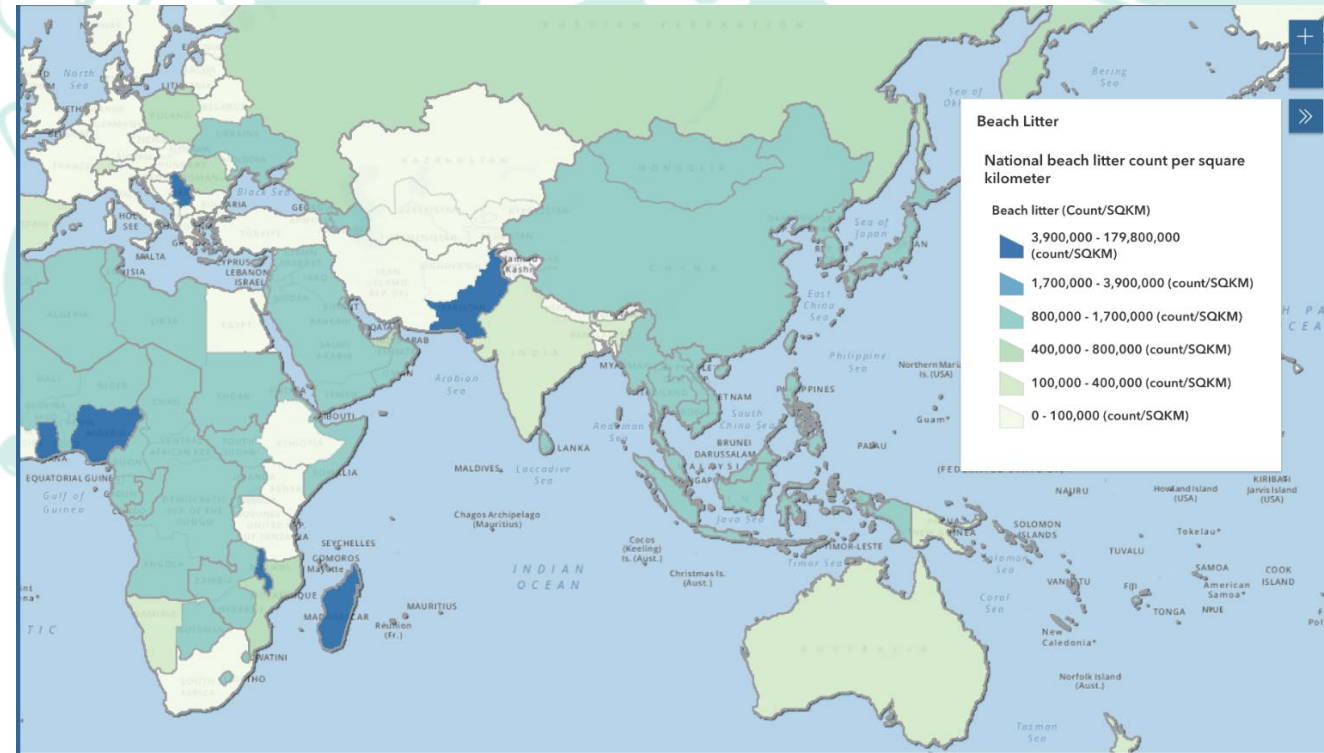
- Ocean litter produced (tonnes 2010-2019)
- Litter from country to sea (tonnes 2010-2019)
- Litter from country to coast (tonnes 2010-2019)
- Litter from sea to coast (import) (tonnes 2010-2019)
- Movement of ocean litter between countries (tonnes 2010-2019)
- Litter trajectories
- Plastic transported out of country by rivers that enters the ocean directly (%)
- All plastic transported into ocean by rivers that are emitted directly from country (%)

Sources: Florida State University & DHI A/S



Nature and habitats

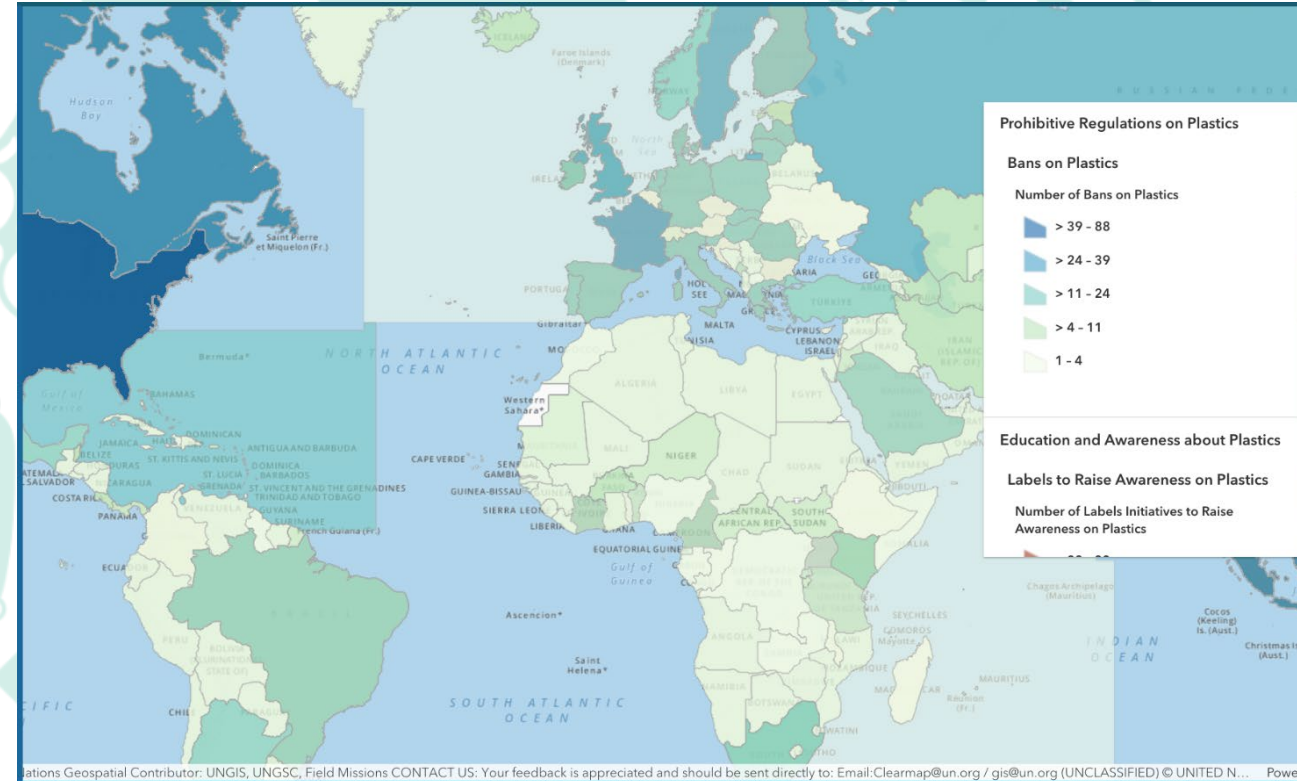
- National beach litter count (number/km²)
- Regional beach litter count (number/km²)
- National protected marine areas (km²)
- Regional protected marine areas (km²)
- Fraction of national/regional marine areas protected (% of total marine areas)
- Average proportion of marine key biodiversity areas covered by national/regional protected areas (%)
- Habitats threatened by plastic (threatened/not threatened)



Sources: GRID Arendal, IUCN, Dudley 2008

Policy data

- Prohibitive regulations on plastics
- Economic instruments on plastics
- Affirmative regulations on plastics
- Education and awareness about plastics
- Action plans about plastics



Sources: Duke University & GPML

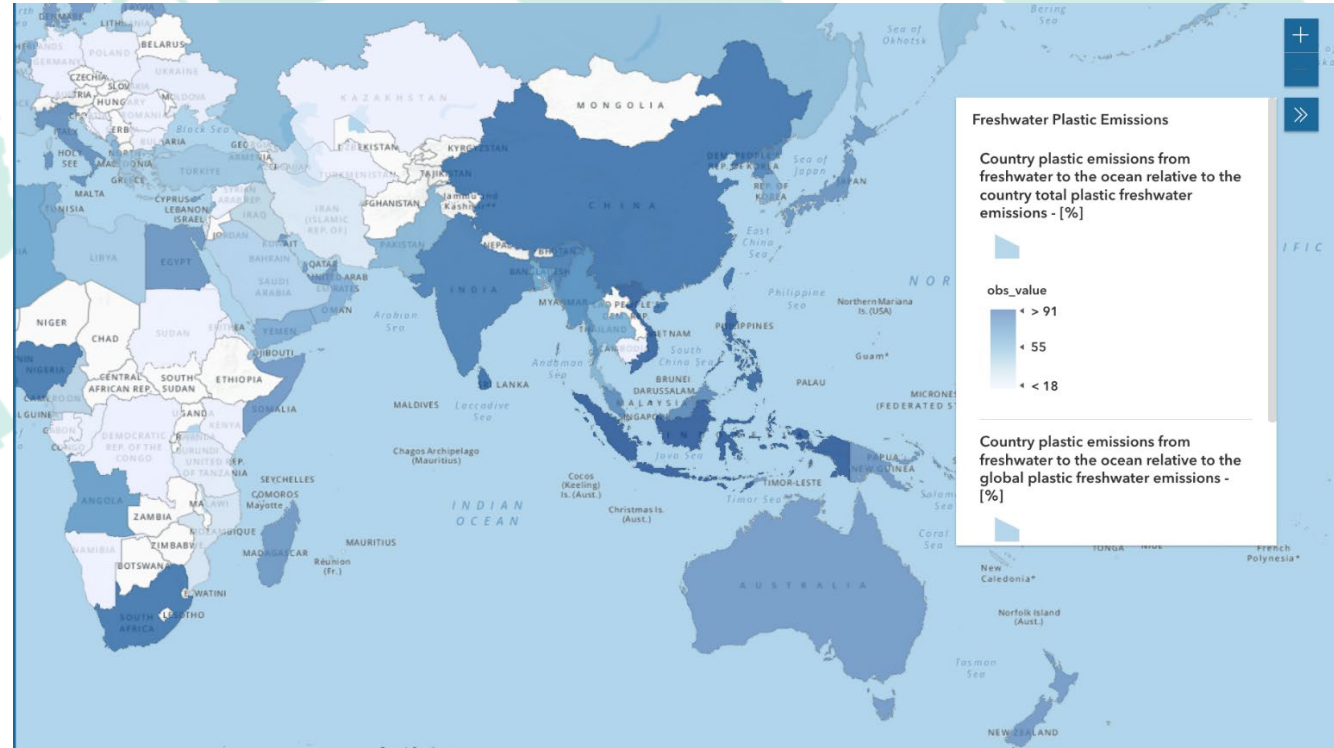
Exploring further ways to enhance data

NOAA: Floating microplastic in oceans surrounding USA

EMODnet: Floating microplastic in oceans primarily around Europe

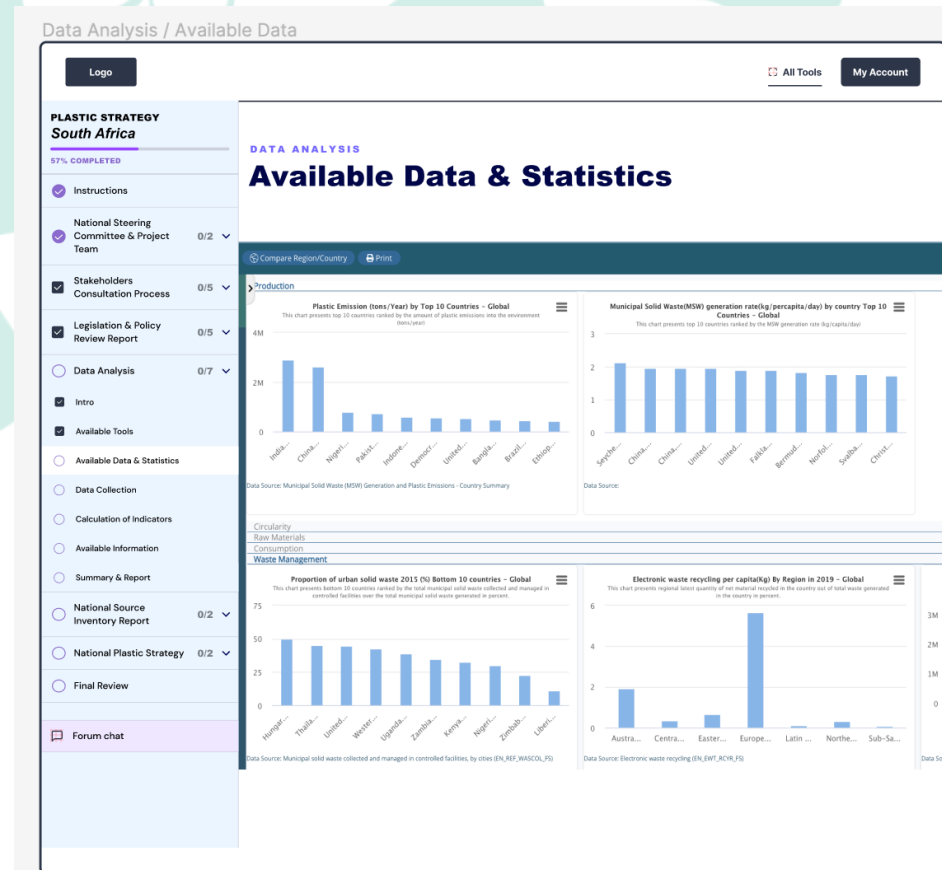
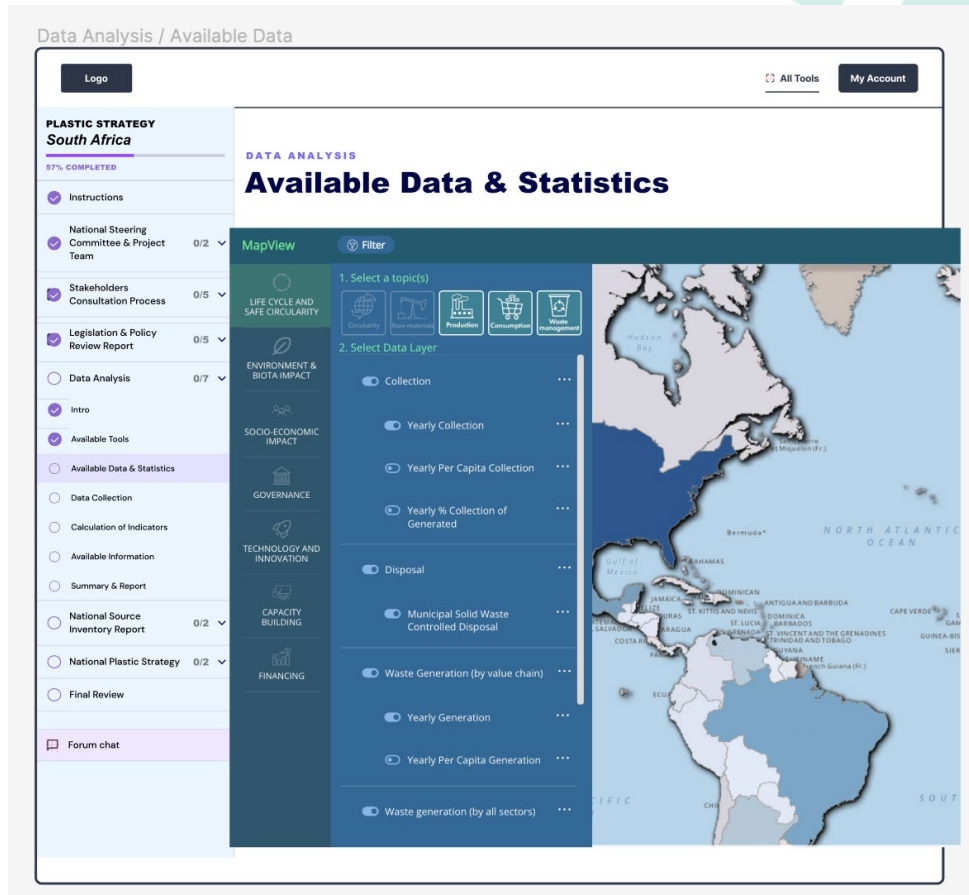
Ministry of Environment Japan: Floating microplastic in oceans surrounding Japan

Harmonized dataset of floating microplastic based on three different underlying datasets



Combining and harmonizing global datasets

Upload and Incorporation of national datasets in the workspace



Thank you



We welcome your feedback and engagement!

Contact us at unep-gpmarinelitter@un.org

Join the Partnership:
www.gpmarinelitter.org

Join the Digital Platform:
www.digital.gpmarinelitter.org

SCAN TO SIGN IN





THANK YOU!

