

# Policy developments and the development of a statistical guideline on measuring flows of plastic along the lifecycle

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Session 2b: UTILISING SEEA FOR MEASURING PHYSICAL FLOWS OF PLASTICS  
Joint OECD/UNECE Seminar on Implementation of SEEA

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# UNEA Resolution 5/14

End plastic pollution: Towards an international legally binding instrument

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Underlining that further international action is needed by **developing an international legally binding instrument on plastic pollution**, including in the marine environment,

Requests the Executive Director to convene an **intergovernmental negotiating committee**, to begin its work during the second half of 2022, with the ambition of completing its work by the end of 2024

Requests **strengthening of methodologies** for monitoring and calls upon all Member States to continue and step up activities, and to develop and implement national action plans, and, on a voluntary basis, to **provide statistical information** on the environmentally sound management of plastic waste, as appropriate, taking into account national circumstances

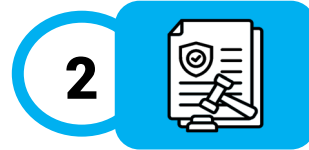
# ONE Plastics Initiative

2023 – 2027



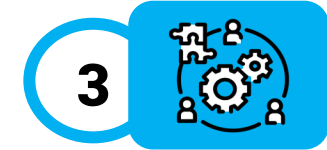
## INDUSTRY

Inspiring & supporting  
industry action



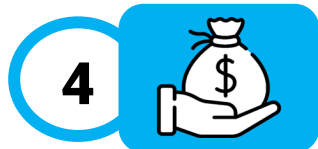
## REGULATION & POLICY DEVELOPMENT

Enabling national &  
local regulatory frameworks



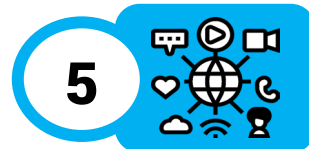
## PLANNING

Enabling coordinated &  
concerted actions



## FINANCE

Supporting  
finance action



## COMMUNICATION & PUBLIC ADVOCACY

Activating behaviour change &  
social action



## KNOWLEDGE MAN. & CAPACITY DEVELOPMENT

Supporting capacity development  
& informed decisions

# Statistical guideline on plastics: Introduction

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## Statistical guideline on measuring flows of plastic along the lifecycle

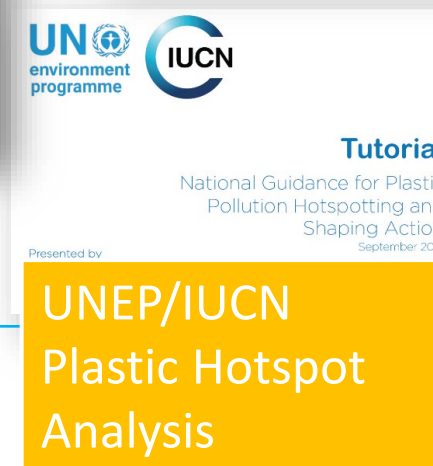
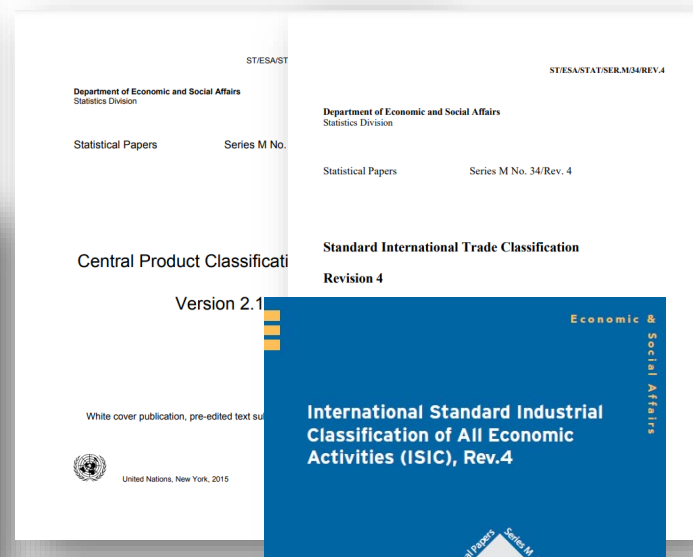
**Purpose:** To provide policy-makers with high-quality statistics on plastics that are comparable at the national, regional and global levels to inform policies on responsible consumption and production, the circular economy and others

**Target users:** National statistical offices and other relevant organizations responsible for production of statistics on plastics

**Partners:** **UNEP** and **UNITAR** in collaboration with UNCTAD, UNSD, UNECE, OECD, BRS Secretariat, Statistics Norway, University of Wollongong (Australia), and many others

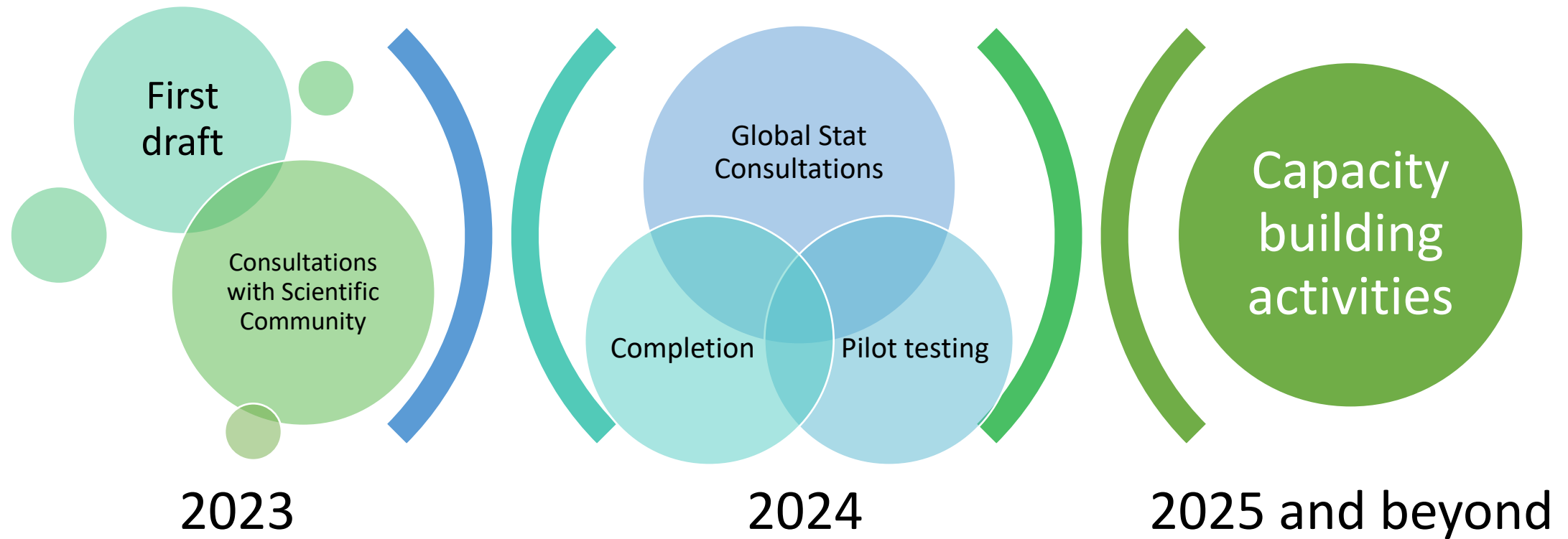
# Statistical guideline on plastics: Approach

Statistical guideline on measuring flows of plastic along the lifecycle is based on international approaches, including statistical standards and classifications:



Statistical Frameworks

# Statistical guideline on plastic: Timeline



# Statistical guideline on plastic: Structure

## 1. Introduction

- *Necessity of this work; how to use the guideline*

## 2. The physical flow accounting framework for plastic

- *Scope and boundary of plastic lifecycle; Terms and definitions; Plastic flows through SEEA; Classifications to support statistics on plastic*

## 3. Accounting for plastic supply

- *Production; Imports*

## 4. Accounting for plastic use

- *Consumption; Exports*

## 5. Accounting for plastic waste

- *Plastic waste generated; Plastic waste handling; Plastic waste trade; Plastic to the environment*

## 6. Potential data sources and units of measurement

- *Data sources of plastic supply and use; Data sources of plastic waste; Units of measurement*

## 7. Core Indicators

## Annexes

Country examples and experience of international organizations are included

# How to use the guideline

There is a modular set-up of the guidelines:

- Countries that are starting to collect plastic statistics are encouraged to work on developing **core indicators** →
- Countries with more experience with plastic statistics are encouraged to build **PSUT for plastics** (Chapter 2.3)

## Chapter 7:

- Plastic Production
- Plastic Imports
- Plastic Exports
- Apparent Plastic Consumption
- Plastic Waste Generated
- Plastic Waste Collected
- Plastic Waste Treated
- Plastic to the Environment



# Physical supply and use tables for plastic

## Flows

### 1. Natural inputs

### 2. Products: Plastic in primary forms

### 3. Products: Semi-finished plastic products

### 4. Products: Total plastic in finished products

#### a. Finished plastic products

#### b. Plastic embedded in plastic containing products

### 5. Plastic waste

Table 3.1  
General physical supply and use table

Supply table		Production; generation of residuals		Accumulation
		Production; generation of residuals by industries (including household production on own account), classified by ISIC	Generation of residuals by households	Industries—classified by ISIC
Natural Inputs				
Products	C. Output (including sale of recycled and reused products)			
Residuals	11. Residuals generated by industry (including natural resource residuals)		J. Residuals generated by household final consumption	K1. Residuals from scrapping and demolition of produced assets
	12. Residuals generated following treatment			K2. Emissions from controlled landfill sites
Total supply				
Use table		Intermediate consumption of products; use of natural inputs; collection of residuals	Final consumption*	Accumulation
		Industries—classified by ISIC	Households	Industries—classified by ISIC
Natural Inputs				
		B. Extraction of natural inputs		
		B1. Extraction used in production		
		B2. Natural resource residuals		
Products	E. Intermediate consumption (including purchase of recycled and reused products)		F. Household final consumption (including purchase of recycled and reused products)	G. Gross capital formation (including fixed assets and inventories)
Residuals	N. Collection and treatment of residuals (excluding accumulation in controlled landfill sites)			O. Accumulation of waste in controlled landfill sites
Total use				

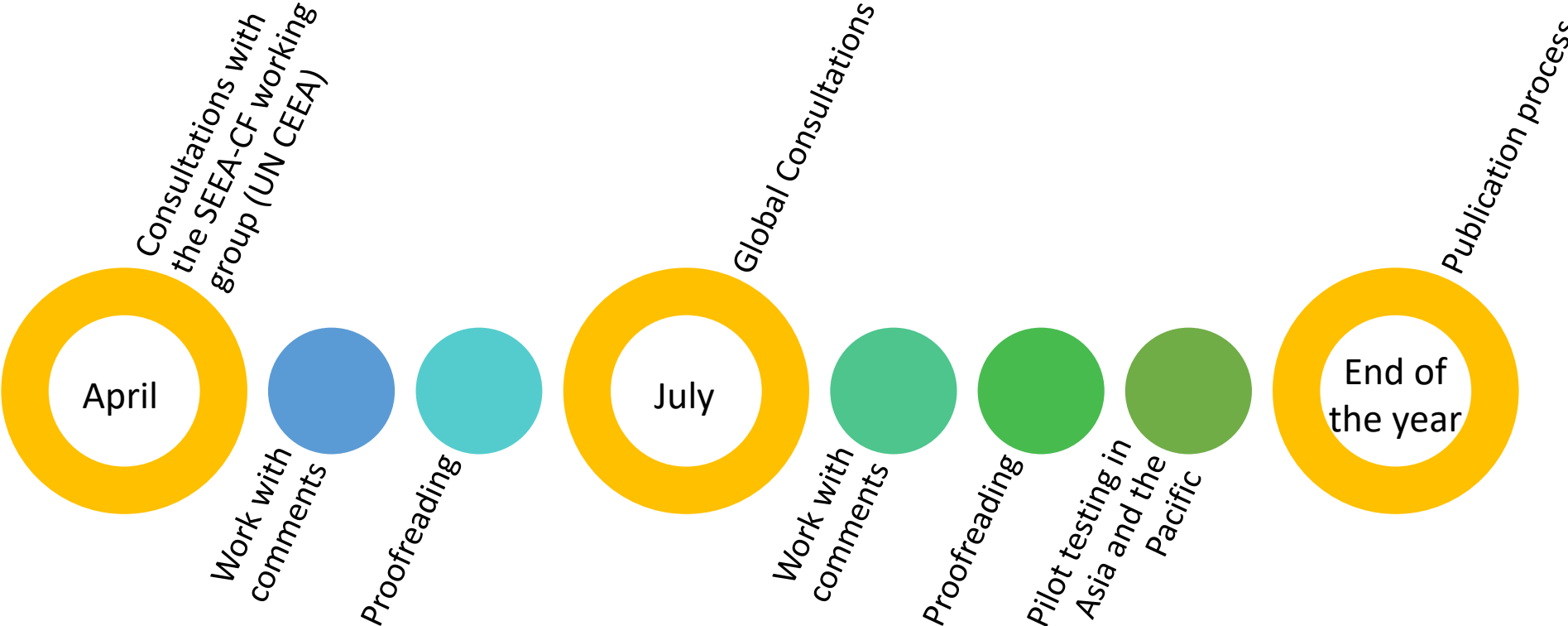
Source: SEEA-Central Framework

# Annexes

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1. CPC V.2.1 codes relevant to plastic
2. SITC Rev. 4 codes relevant to plastic
3. Links between the Plastic-KEYs and HS codes
4. Links between the UNU-KEYs and HS codes
5. Links between the Plastic-KYEs and CPC codes
6. The Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal
7. Lifespans of main plastic products/products containing plastic (in some geographic scope)
8. Plastic fractions in different Plastic-KEYs and relevant HS codes
9. Average polymer composition for Plastic-KEY groups
10. Waste Transfer coefficients (in some geographic scope)
11. Chemicals used in plastics

# Next steps in 2024



# Thank you



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Ekaterina Poleshchuk  
Programme Management Officer / Statistician, SDG and Environment Statistics Unit, EWAD  
[ekaterina.poleshchuk@un.org](mailto:ekaterina.poleshchuk@un.org)

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United Nations Avenue, Gigiri  
PO Box 30552 – 00100 GPO Nairobi, Kenya

[www.unep.org](http://www.unep.org)