



Introduction of the Statistical Guideline for measuring flows of plastic throughout the life cycle

Pilot testing workshop of the statistical guideline for measuring flows of plastic throughout the life cycle for Vietnam

Introduction

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, Statistics Denmark, Statistics Canada, University of Wollongong (Australia), the Global Ocean Accounts Partnership, and many others.

Upcoming title: UNEP and UNITAR (2025). Statistical guideline for measuring flows of plastic throughout the life cycle. Nairobi and Bonn, Kenya and Germany.

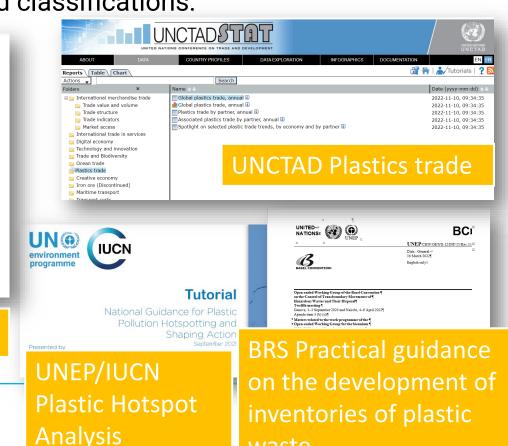




Statistical guideline on plastics: Approach

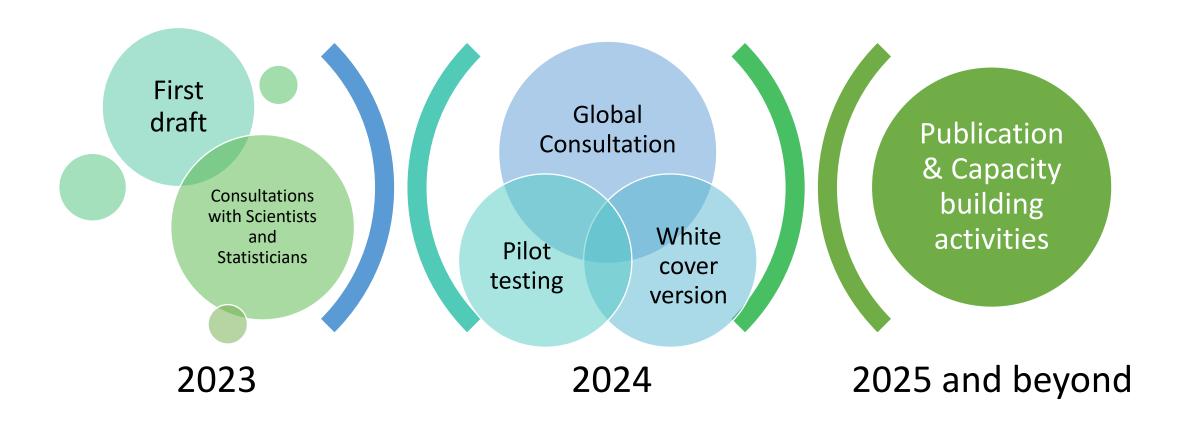
Statistical guideline on measuring flows of plastic along the lifecycle is based on international approaches, including statistical standards and classifications:





waste

Timeline







Structure

- 1. Introduction
 - The Necessity of a Guideline; Brief Instructions
- 2. The Physical Flow Accounting Framework for Plastics
 - The Scope and Boundary of Plastic's Life Cycle; Terms and Definitions; Flows of plastic through the SEEA; Classifications to support plastic statistics
- 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;
 Plastics 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 and Relevant Policies

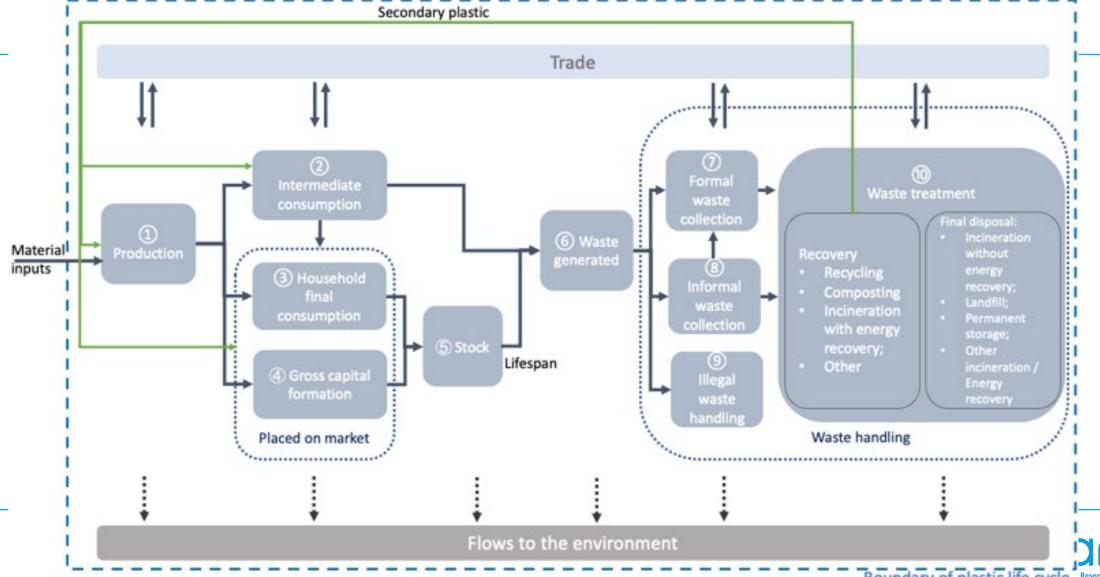
Annexes

The experience of the NSOs of Norway, Denmark, Canada and international organizations is included





Plastic life cycle





Core terms

Plastic

- Plastic in primary forms: polymers, which can eventually be converted and processed, with additives, into plastic goods
- Plastic in semi-finished plastic products: usually used as input for further manufacturing
- Plastic in finished products: consumed in the final consumption phase
 - Finished plastic products
 - Plastic-containing products





Classifications to Support Plastic Statistics

- Central Product Classification (CPC)
- Standard International Trade Classification (SITC)
- Harmonized Commodity Description and Coding System (HS)
- International Standard Industrial Classification of Economic Activities (ISIC)
- ✓ Plastic-KEYs, developed by UNITAR
 - P1 Packaging
 - P2 Transport
 - P3 Building and construction
 - P4 Electrical and electronic equipment
 - P5 Consumer and institutional products
 - P6 Industrial machinery
 - P7 Apparel and textile furnishing articles
 - P8 Other





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 Physical supply and use tables for plastics (Chapter 2.3)

Chapter 7:

- Plastic Production
- Plastic Imports / Exports, excluding waste
- Apparent Consumption of Plastic
- Plastic Waste Generated / Imported / Exported / Collected in the Economic Territory / Treated
- National Plastic Recycling Rate
- The Share of Secondary Plastic in Production
- Plastic waste handled informally
- Plastic leakages

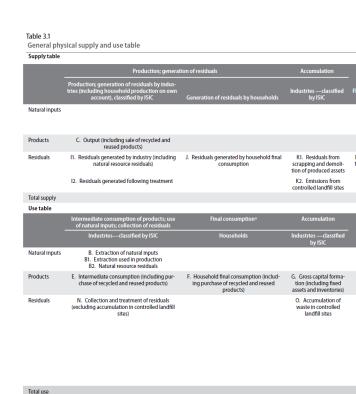




Physical supply and use tables for plastic

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



Source: SEEA-Central Framework





Thank you



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