

SEEA related activities: Updates from UNEP

Session 2: Setting the scene
Joint OECD/UNECE Seminar on Implementation of SEEA

UNEP Network of SEEA Experts

Established in early 2022

Brings together over 20 experts from UNEP and UNEP-WCMC

Objective: To provide coordinated interaction of the SEEA experts within UNEP to support implementation of UNEP's three thematic sub-programmes: climate action, nature action and chemicals and pollution action and the interlinkages between them and across the three pillars of sustainable development.

UNEP SEEA Network

Pages Analytics

UNEP SEEA Network Home

Overview

Background

In March 2012, the United Nations Statistical Commission (UNSC) adopted the System of Environmental-Economic Accounting 2012—SEEA Central Framework (SEEA Central Framework) as the first international statistical standard for environmental-economic accounting. SEEA Central Framework is a conceptual framework for understanding the interactions between the economy and the environment, and for describing stocks and changes in stocks of renewable and non-renewable natural resources. In March 2021, UNSC adopted the second international statistical standard for environmental-economic accounting – the System of Environmental Economic Accounting – Ecosystem Accounting (SEEA EA). The SEEA EA complements the measurement of the relationship between the environment and the economy described in the SEEA Central Framework. The SEEA, encompassing the SEEA Central Framework and the SEEA EA, provides a system that complements the System of National Accounts (SNA) using accounting principles to integrate physical and monetary measures concerning the environment in a way that allows for comparison across countries.

Objectives

The main action, nature action, and chemicals and pollution action. In the show case studies.

SEEA Factsheets to support UNEP Work on Comprehensive Environmental-Economic Data

The System of Environmental-Economic Accounting (SEEA) is a framework that integrates economic and environmental data to provide a more comprehensive and multipurpose view of the interrelationships between the economy and the environment and the stocks and changes in stocks of environmental assets, as they bring benefits to humanity. It contains the internationally agreed standard concepts, definitions, classifications, accounting rules and tables for producing internationally comparable statistics and accounts. As of 2021, 90 countries have compiled different SEEA accounts, and many more countries are planning to compile the accounts.

The United Nations Environment Programme (UNEP) Network of SEEA Experts plays an important role in the international SEEA community by developing the methodology at the global level, providing capacity building for various countries, and contributing to environmental-economic accounts for policymaking.

In 2022, the UNEP Network of SEEA Experts developed a series of factsheets presenting a brief overview of two SEEA statistical standards, the SEEA Central Framework (SEEA CF) and the SEEA Ecosystem Accounting (SEEA EA), and highlighting how SEEA can and have been used for national and international policymaking and supporting UNEP projects, as linked to the sub-programmes of the Medium-Term Strategy 2022-2025. Additionally, the factsheets elaborate various examples of policy applications in each SEEA account.

The factsheet series includes five factsheets covering the following groups of accounts:

- (1) SEEA CF Asset and Flow Accounts,
- (2) SEEA CF Environmental Activity Accounts,
- (3) SEEA EA Ecosystem Core Accounts,
- (4) Thematic Accounting using the SEEA, and
- (5) Thematic Accounting: Ocean Accounting.

The factsheets are intended to inspire various UNEP experts to integrate SEEA development work into their projects and to use SEEA statistics for comprehensive environmental-economic analysis at global, regional and national levels.

UNEP Network to support UNEP Work on Comprehensive Environmental-Economic Data

EW-MFA Data Collection and SDG Reporting

2022 - 2023

The **UNEP International Resource Panel** provides estimation of Domestic material consumption and Material footprint for all countries

UNEP communicates with countries (develops a questionnaire; sends a pre-filled questionnaire to countries for review or replace the data with national data)

Countries revise/replace the data with national data if possible/needed and provide feedback to UNEP

UNEP analyzes the replacement data and prepares them for publication on various platforms (Global SDG database, UNEP WESR)

In April 2022, UNEP sent out a pre-filled questionnaire to 193 UN Members (NSOs);

SEEA focal points were also informed

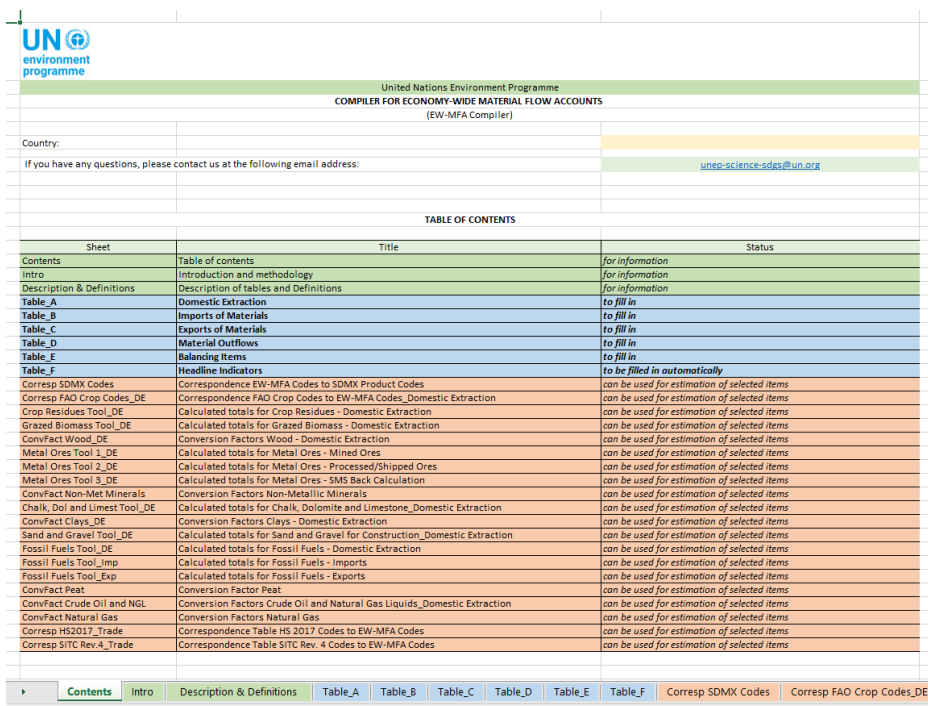
As of 31 August 2022, UNEP has received feedback from 30 UN Members

On 1 March 2023, UNEP reported national DMC data to UNSD for 26 countries

EW-MFA: Tools and training for capacity building

2022 - 2023

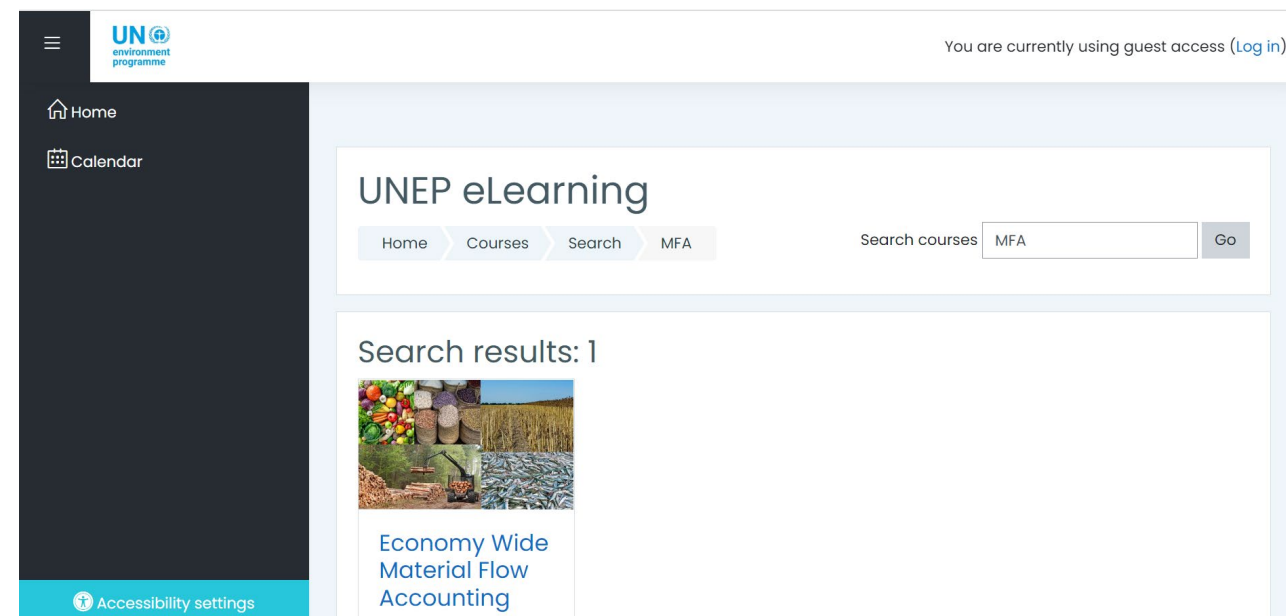
- **Compiler (xlsx)** to assist countries in building EW-MFA: [here](#)
- **Online course on Domestic Extraction for EW-MFA** on the UNEP e-learning platform: [here](#)



United Nations Environment Programme
COMPILER FOR ECONOMY-WIDE MATERIAL FLOW ACCOUNTS
(EW-MFA Compiler)

Country: _____
If you have any questions, please contact us at the following email address: unep-science-sdgs@un.org

Sheet	Title	Status
Contents	Table of contents	for information
Intro	Introduction and methodology	for information
Description & Definitions	Description of tables and Definitions	for information
Table_A	Domestic Extraction	to fill in
Table_B	Imports of Materials	to fill in
Table_C	Exports of Materials	to fill in
Table_D	Material Outflows	to fill in
Table_E	Balancing Items	to fill in
Table_F	Headline Indicators	to be filled in automatically
Corresp SDMX Codes	Correspondence EW-MFA Codes to SDMX Product Codes	can be used for estimation of selected items
Corresp FAO Crop Codes_DE	Correspondence FAO Crop Codes to EW-MFA Codes_Domestic Extraction	can be used for estimation of selected items
Crop Residues Tool_DE	Calculated totals for Crop Residues - Domestic Extraction	can be used for estimation of selected items
Grazed Biomass Tool_DE	Calculated totals for Grazed Biomass - Domestic Extraction	can be used for estimation of selected items
ConvFact Wood_DE	Conversion Factors Wood - Domestic Extraction	can be used for estimation of selected items
Metal Ores Tool_1_DE	Calculated totals for Metal Ores - Mined Ores	can be used for estimation of selected items
Metal Ores Tool_2_DE	Calculated totals for Metal Ores - Processed/Shipped Ores	can be used for estimation of selected items
Metal Ores Tool_3_DE	Calculated totals for Metal Ores - SMS Back Calculation	can be used for estimation of selected items
ConvFact Non-Met Minerals	Conversion Factors Non-Metallic Minerals	can be used for estimation of selected items
Chalk, Dol and Limest Tool_DE	Calculated totals for Chalk, Dolomite and Limestone_Domestic Extraction	can be used for estimation of selected items
ConvFact Clays_DE	Conversion Factors Clays - Domestic Extraction	can be used for estimation of selected items
Sand and Gravel Tool_DE	Calculated totals for Sand and Gravel for Construction_Domestic Extraction	can be used for estimation of selected items
Fossil Fuels Tool_DE	Calculated totals for Fossil Fuels - Domestic Extraction	can be used for estimation of selected items
Fossil Fuels Tool_imp	Calculated totals for Fossil Fuels - Imports	can be used for estimation of selected items
Fossil Fuels Tool_Exp	Calculated totals for Fossil Fuels - Exports	can be used for estimation of selected items
ConvFact Peat	Conversion Factor Peat	can be used for estimation of selected items
ConvFact Crude Oil and NGL	Conversion Factors Crude Oil and Natural Gas Liquids_Domestic Extraction	can be used for estimation of selected items
ConvFact Natural Gas	Conversion Factors Natural Gas	can be used for estimation of selected items
Corresp HS2017_Trade	Correspondence Table HS 2017 Codes to EW-MFA Codes	can be used for estimation of selected items
Corresp SITC Rev.4_Trade	Correspondence Table SITC Rev. 4 Codes to EW-MFA Codes	can be used for estimation of selected items




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Economy Wide Material Flow Accounting

Accessibility settings

EW-MFA: Capacity building activities

2023

Under the UNDA14 Project on Statistics and Data:

- *Two global webinars on Geospatial and Other Data Sources for Environment Statistics: Assessing the Impact of the Economy on the Environment* on March 21-23 and April 18-20 for **50 beneficiary countries**. The webinars include a session on Domestic Material Consumption

Under EC funded project on enhancing capacity for measuring progress towards the Environmental Dimension of the SDGs:

- Capacity building activities to build EW-MFA in **Jordan, India, Senegal, Ghana, Uganda and Kazakhstan**

SEEA EA: Capacity building activities

2022

In July 2022, UNEP, UNSD, UNDP, [BC3](#), the [African Community of Practice on Natural Capital Accounting](#), the National Institute for Statistics in Rwanda and the Regional Hub of the UN Global Platform organised a training programme on [ARIES for SEEA](#) for 6 African countries (Botswana, Ghana, Kenya, Rwanda, South Africa and Uganda).

The training was aimed at statisticians and technical staff from the land use agencies and GIS experts.

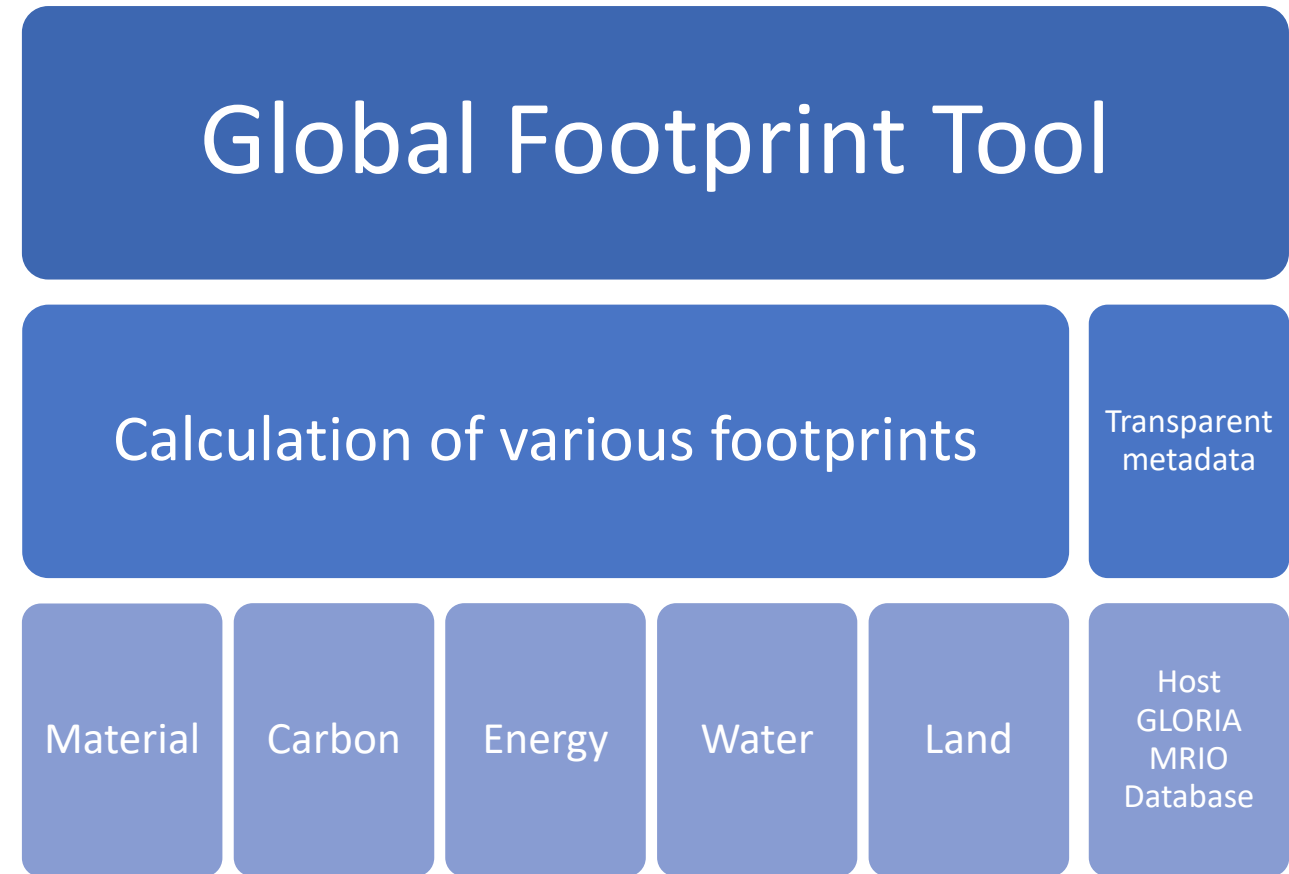
Global Online Footprint Tool

Global Online Footprint Tool will allow statistical offices and other entities to calculate their countries environmental footprints, such as material, energy, carbon, water and land, with high quality that meets the requirements of statistical reporting.

Partners:

- UNEP
- Commonwealth Scientific and Industrial Research Organisation (CSIRO)
- University of Sydney

Timeline: 2023



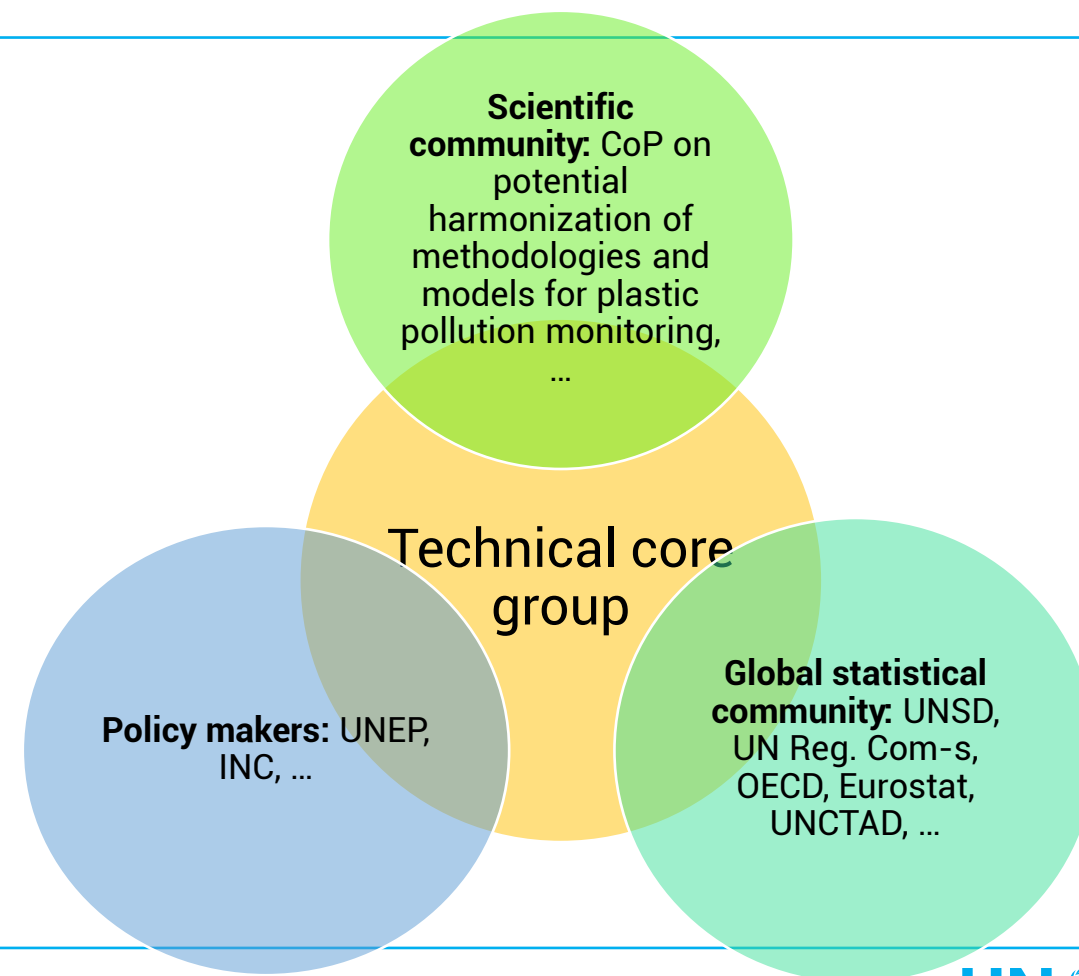
Statistical technical guideline to measure flows of plastic along the lifecycle

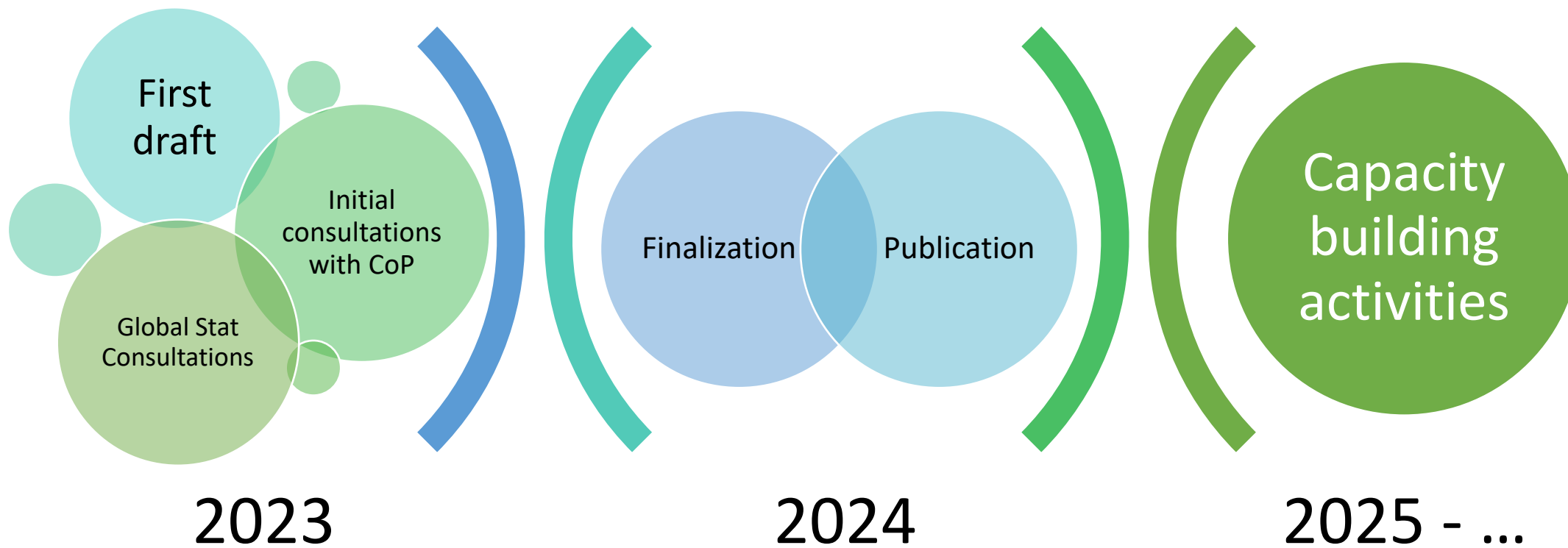
Purpose: To support the production of high-quality comparable statistics on plastics based on international statistical standards and classifications

Target users: National statistical offices and other relevant organizations

Responsible executors: UNEP and UNITAR

Timeline: 2023 – 2024





Thank you



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