

21 June 2024, Vienna, Austria

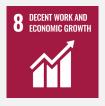
Global Material Flows Database

Session 8: Production of selected important indicators for waste and materials management policies, including circular economy REGIONAL TRAINING ON THE PRODUCTION AND USE OF WASTE AND CIRCULAR ECONOMY STATISTICS AND INDICATORS

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Ekaterina Poleshchuk



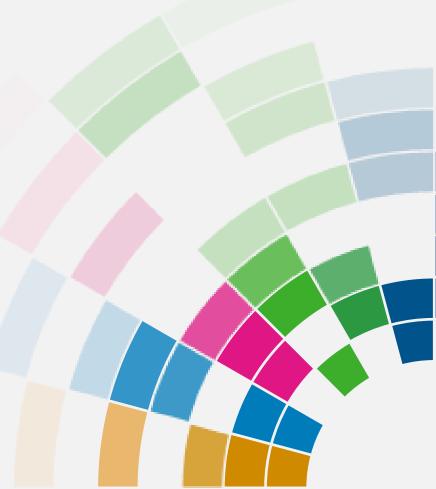






UNEP is the custodian agency for 25 SDG indicators, including:

- **8.4.1/12.2.1 Material footprint**, material footprint per capita, and material footprint per GDP
- 8.4.2/12.2.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP



To report SDG indicators 8.4.1/12.2.1 and 8.4.2/12.2.2 to the **Global SDG Database**, UNEP uses:

 National data collected from countries

These data are reported with footnote "C" (country)

and

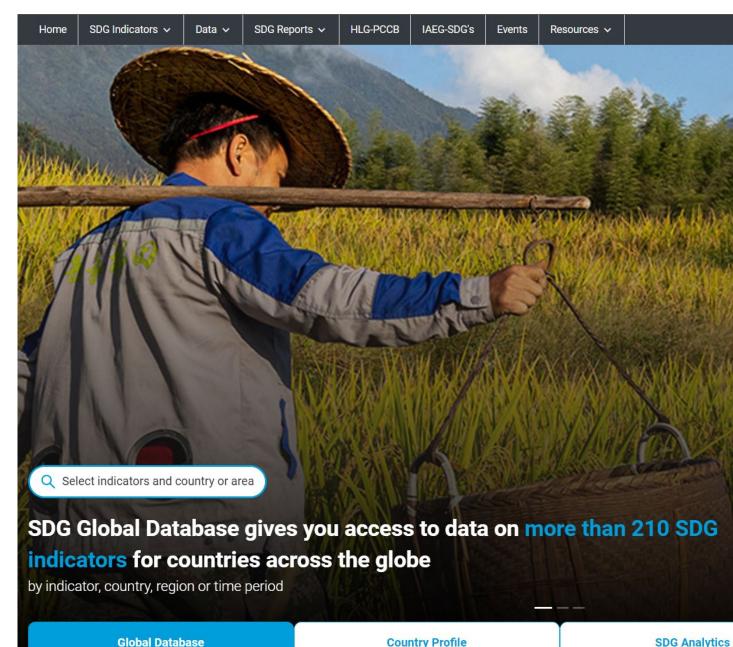
 Global estimates from the Global Material Flows Database, developed by UNEP-IRP

These data are reported with footnote "E" (estimate)

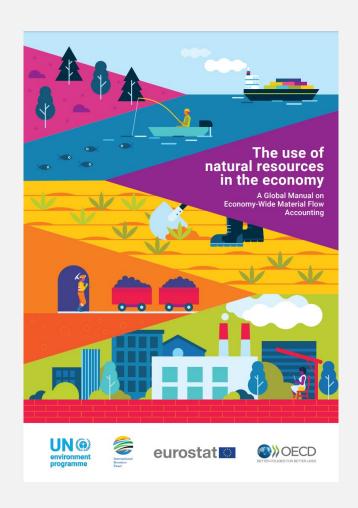


Department of Economic and Social Affairs

Statistics • SDG Indicators Database







Methodological support

Global manual on EW-MFA:

UNEP (2023). The use of natural resources in the economy: A Global Manual on Economy-Wide Material Flow Accounting

- First published in 2021
- Revised in 2023

Translated into:

- Arabic, French, Russian
- Spanish is coming









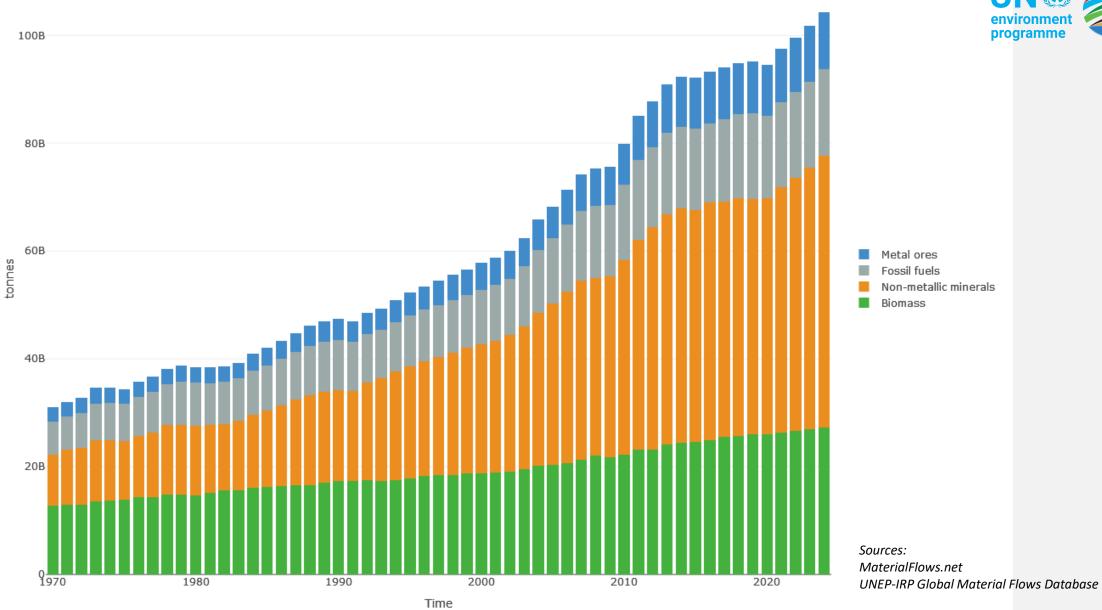
Global Material Flows Database

Supporting evidence-based decision-making by policy and business communities

<u>Here</u>

- Coverage: 217 countries/territories
- Period: 1970 2024
- Aligned with the SEEA Central Framework
- Provides indicators on extraction and direct trade of raw materials, as well as indirect trade flows (including material footprints)
- Material categories: biomass, fossil fuels, metals, non-metallic minerals (disaggregated into 13 sub-categories)
- Main data sources: FAO, UNSD, UN COMTRADE, IEA, US EIA, World Mining Data, British Geological Survey, US Geological Survey





National Data: Data collection tool





United Nations Environment Programme

QUESTIONNAIRE ON ECONOMY-WIDE MATERIAL FLOW ACCOUNTS for the SDG indicators 8.4.1/12.2.1 and 8.4.2/12.2.2 (EW-MFA Questionnaire for SDGs)

Country:

Deadline for returning the EW-MFA Questionnaire for SDGs:

If you have any questions, please contact us at the following email address:

unep-ewad-sdgs@un.org

TABLE OF CONTENTS

Sheet	Title	Status
Intro & Contents	Introduction and table of contents	for information
Methodology & Guidance	Methodological sources and guidance for working with this Questionnaire	for information
Description & Definitions	Description of tables and definitions	for information
Table A	Domestic extraction	to review / re-fill in
Table B	Imports of materials	to review / re-fill in
Table C	Exports of materials	to review / re-fill in
Table D	Headline indicators	filled automatically
Table E	Material flow accounts in raw material equivalents	to review / re-fill in
Table F	Supplementary information from the country	to fill in

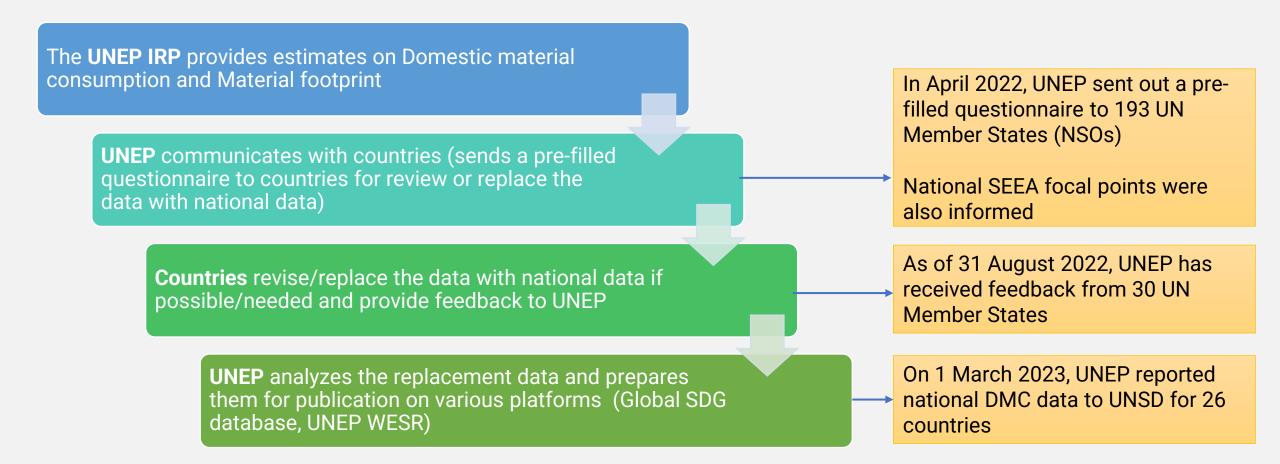
Last update: June 1, 2024





National Data: Data collection process





2024 EW-MFA Data Collection and SDG Reporting



- UNEP plans to collect EW-MFA data every two years
- The next data collection is in July 2024
- Eurostat countries will not be included in UNEP data collection in 2024:
 - To report national data for relevant SDGs to the Global SDG Database,
 UNEP uses Eurostat database



EW-MFA Compiler





Country support tool

- Provides the basic structure required for these accounts, as well as several simple tools for calculating some categories of materials
- Aligned with the EW-MFA global manual
- Published here
- Translated into Arabic, French, Russian,
 Spanish is coming

E-learning course on EW-MFA



Module 3: Module 1: Module 2: Module 4: Trade Material Balancing Domestic Flows Outflows Items Extraction • In 2022 • In 2023 Planned Planned

- Developed in collaboration with CSIRO
- Published on the <u>UNEP e-learning platform</u>

Capacity building activities in 2023-2025



on EW-MFA

At the national level

- In 2023: Jordan, Senegal, Ghana, Uganda and Kazakhstan
- In 2024: Namibia, Ecuador, Belarus (UNDP Belarus)
- In 2025: Benin, Kenya, Thailand, Nepal, Colombia, Jamaica

At the regional and global level

- In 2023, two Global Webinars on Geospatial and Other Data Sources for Environment Statistics:
 Assessing the Impact of the Economy on the Environment
 - 21-23 March for countries in Africa, Latin America and the Caribbean
 - 18-20 April for Asian, Europe and North Africa



Thank you

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