

Indicateurs d'économie circulaire

SDG and Environment Statistics Unit, 2025
Early Warning and Assessment Division, UNEP

Comptes de flux de matières à l'échelle de l'économie (CFM-EE)

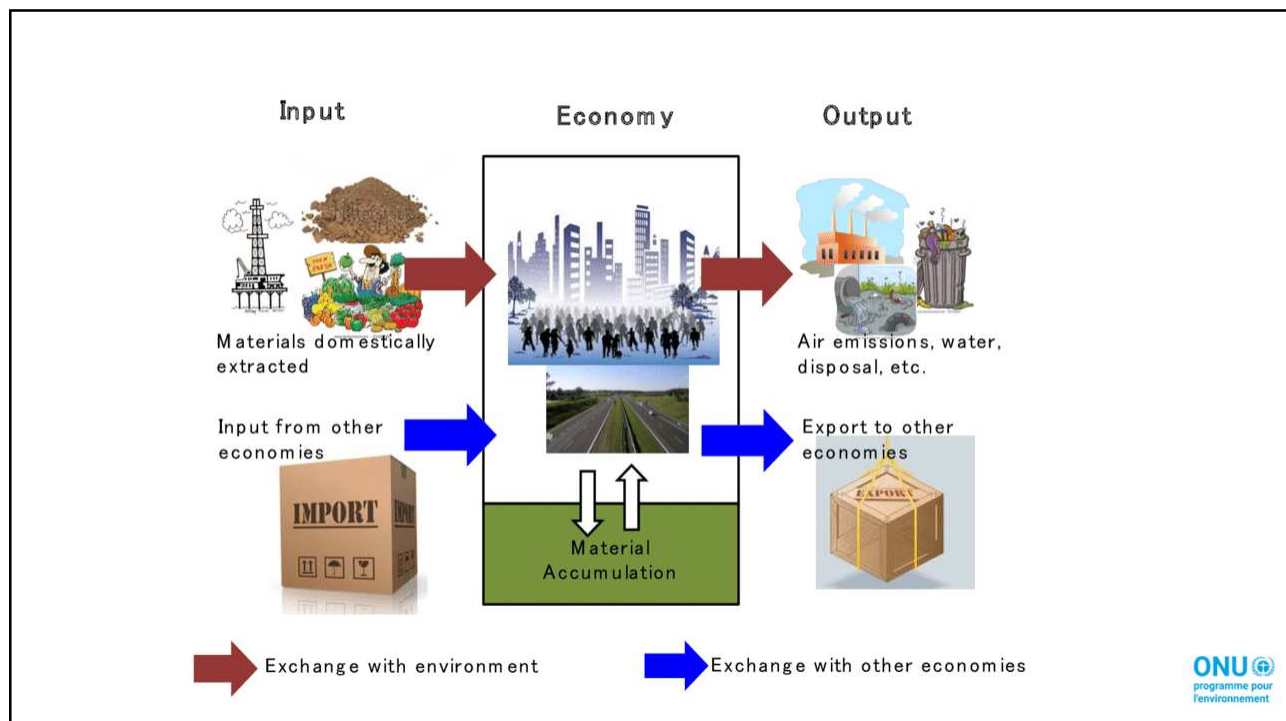
Qu'est-ce que les comptes des flux de matières à l'échelle de l'économie (CFM-EE) ?

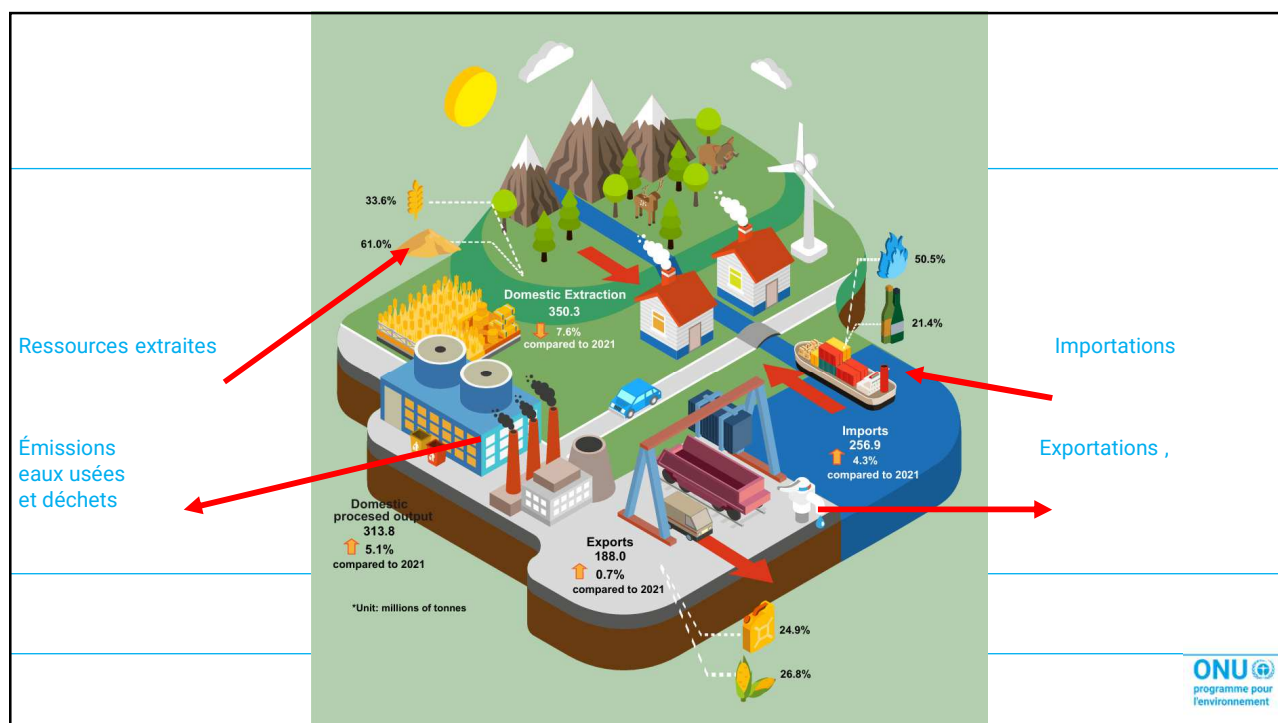
CFM-EE représente un cadre pour décrire l'interaction d'une économie domestique avec l'environnement naturel et l'économie du reste du monde en termes de flux de matériaux, de déchets et d'émissions.

Les CFM-EE offrent une vue d'ensemble complète de l'extraction des ressources naturelles, du commerce des ressources naturelles, de l'élimination des déchets et des émissions.

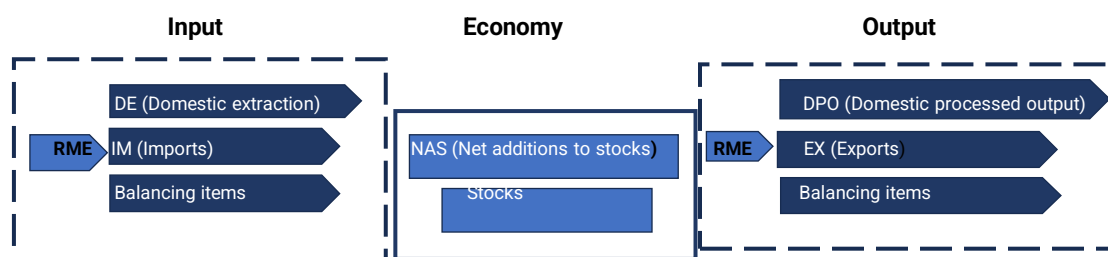
Les ensembles de données des CFM sont essentiels pour calculer les indicateurs des ODD liés à la productivité des ressources (ODD 8.4) et à l'utilisation durable des ressources naturelles (ODD 12.2).

Avec le soutien financier de l'accord de coopération entre la Commission européenne et le PNUE





Structure simplifiée des CFM-EE



Unused extraction

Avec le soutien financier de l'accord de coopération entre la Commission européenne et le PNUE



Appui méthodologique Manuel mondial sur CFM-EE :

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

- Première publication en 2021
- Révisé en 2023



Appui méthodologique

[UNEP \(2024\). Economy-Wide Material Flow Accounting. Step-by-step guide to the compiler](#)

- Publié en 2024

		
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-sdgm@un.org
TABLE OF CONTENTS		
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 Tool1_DE	Calculated totals for Metal Ores - Mined Ores	can be used for estimation of selected items
Metal Ores Tool2_DE	Calculated totals for Metal Ores - Processed/Shipped Ores	can be used for estimation of selected items
Metal Ores Tool3_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
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ConvFact Clays_DE	Conversion Factors Clays - Domestic Extraction	can be used for estimation of selected items
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Concepts liés aux CFM-EE (I)

ED : Extraction domestique (matériaux qui sont ensuite utilisés dans les processus économiques)

- Biomasse
- Combustibles fossiles
- Minerais métalliques
- Minéraux non métalliques

IM : Importations

EX : Exportations

Avec le soutien financier de l'accord de coopération entre la Commission européenne et le PNUE

Concepts liés aux CFM-EE (II)

Les **sorties de matériaux** sont les déchets envoyés dans les sites d'enfouissement, les émissions dans l'air et les émissions dans l'eau.

Les **stocks** sont la quantité de matériaux qui sont stockés dans les bâtiments et les infrastructures de l'économie nationale. Il s'agit d'une approximation des flux de matériaux potentiels qui peuvent devenir des matières premières secondaires ou des déchets.

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Concepts liés aux CFM-EE (III)

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Concepts liés aux CFM-EE (IV)

Indicators based on EW-MFA

Domestic extraction (DE)
Imports
Exports
Direct material input (DMI)
Domestic material consumption (DMC)
Physical trade balance (PTB)
Domestic processed output (DPO)
Net additions to stock (NAS)

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Material flow accounts Main indicators. 2022

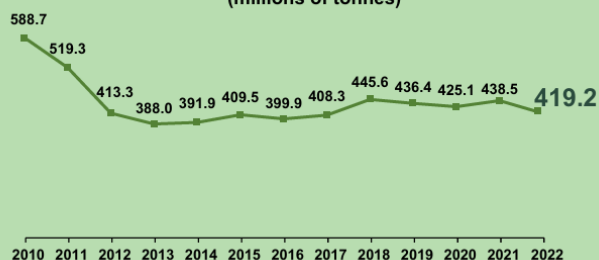
Resource Productivity: 2,845.6  / 



8.8

tonnes of materials
consumption per capita

Domestic Material Consumption (millions of tonnes)



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Global Material Flows Database

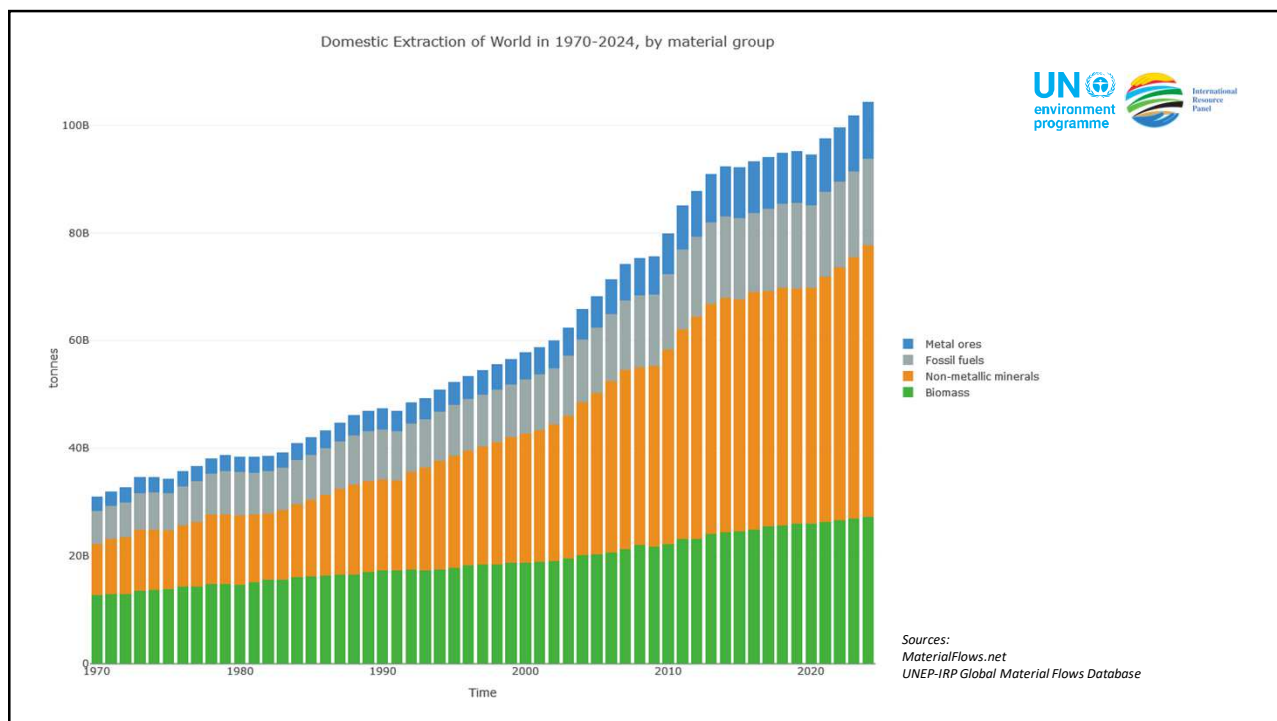
Supporting evidence-based decision-making by policy and business communities

[Here](#)

- 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

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Merci de votre attention

<https://sdgs.unep.org/circular-economy>

<https://sdgs.unep.org/>