

**1A Material footprint (MF) per GDP****Definition and scope**

Consumption-based indicator of resource use measuring the global allocation of extracted raw material that is used to support the final demand of an economy. It is calculated as the raw material equivalent of imports plus domestic extraction minus the raw material equivalent of exports. The Eora multi-regional input-output (MRIO) framework is employed. NOTE: Initial datasets were taken from a single publication review and no compilation for SDGs has yet taken place. Only estimations at global scale exist.

More:

<https://unstats.un.org/sdgs/metadata/files/Metadata-12-02-01.docx>

**1B Material footprint (MF) per capita****Definition and scope**

As for 1a. Consumption-based indicator of resource use measuring the global allocation of extracted raw material that is used to support the final demand of an economy. It is calculated as the raw material equivalent of imports plus domestic extraction minus the raw material equivalent of exports. The Eora multi-regional input-output (MRIO) framework is employed. NOTE: Initial datasets were taken from a single publication review and no compilation for SDGs has yet taken place yet. Only estimations at global scale exist.

The total material footprint is the sum of the material footprint for biomass, fossil fuels, metal ores and non-metal ores.

More:

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**Factsheet rationale**

1a: MF provides as close as possible a picture of the whole raw material consumption required to serve the final demand of a country. When divided by that economy's GDP and measured over time, it provides an indication of how efficient that country is in using resources to generate economic outputs. 1b: Although efficiency (as measured by MF per GDP) may be improving, indicating a relative improvement at the country level, absolute material consumption might still increase as the economy of that country grows. Measuring MF for the whole country, or at per capita level, provides an indication of absolute, as opposed to merely relative, improvement.

**Key message**

The aim of Material Footprint, Material Footprint per capita, and Material Footprint per GDP monitoring is to achieve the sustainable management and efficient use of natural resources. The data is still mostly lacking or estimated for the majority of countries to depict the full picture.