

Indicator 8.4.2

Indicator Name, Target and Goal

Indicator 8.4.2 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (repeat of 12.2.2)

Target 8.4 Improve progressively, through 2030, global resource efficiency in consumption and production and endeavour to decouple economic growth from environmental degradation, in accordance with the 10 Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead

Goal 8 Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

Definition and Rationale

○ Definition

“Domestic Material Consumption (DMC)” is a material flow accounting (MFA) indicator and the total amount of domestically extracted and imported materials and imported products used in domestic economic activities. This indicator can also be expressed as DMC per capita and DMC per GDP.

○ Concepts

DMC equals the total amount of domestically extracted and imported materials plus imported products (DMI) minus exports.

○ Rationale and Interpretation

As a territorial and production-side indicator, DMC indicates the amount of material used in production processes within an economy. DMC describes the physical dimension of economic processes and interactions. Per-capita DMC describes the average level of material use in an economy—an environmental pressure indicator—and is also referred to as a metabolic profile.

Data Sources and Collection Method

Material Flow in Japan

Annual Report on the Environment, the Sound Material-Cycle Society and Biodiversity in Japan

<http://www.env.go.jp/policy/hakusyo/>

Method of Computation and Other Methodological Considerations

○ Computation Method

Total amount of domestically extracted and imported materials and imported products used to meet domestic final demand

○ Comments and Limitations

Because all materials and products are accounted for in terms of weight irrespective of their types, this indicator does not take their resource values into consideration.

Data Disaggregation

N/A

References

N/A

Custodian Ministries of Data

Ministry of the Environment

Custodian Ministries of Related Policies

Ministry of the Environment

International Organizations

United Nations Environment Programme (UNEP)