Indicator　12.2.2

Indicator Name, Target and Goal

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

Target　12.2　By 2030, achieve the sustainable management and efficient use of natural resources

Goal　12　Ensure sustainable consumption and production patterns

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)