

Statistics for the SDGs - global indicators



Name of the indicator	8.4.1 Resource productivity
Sustainable Development Goal	Goal 8. Decent work and economic growth
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
Definition	Resource productivity is the ratio between Gross Domestic Product (GDP) and Domestic Material Consumption (DMC).
Unit	euro per kilogram [euro/kg]
Available dimensions	total
Methodological explanations	<p>Domestic material consumption (DMC) includes the total amount of materials directly used in economic processes for the needs of economy. It is the sum of raw materials extracted from the domestic territory of the total economy, plus all physical imports minus all physical exports.</p> <p>DMC indicator is based on Economy-wide Material Flow Accounts (EW-MFA), i.e., consistent statements of the total cost of materials included in national economies, changes in material inventory levels in the economy and material inflows to other economies or to the environment.</p> <p>Data in EW-MFA tables, in units of mass, are created for the following components: 1. Biomass and biomass products. 2. Metal ores and concentrates, raw and processed. 3. Non-metallic minerals, raw and processed. 4. Fossil energy materials/energy carriers, raw and processed. 5. Other products. 6. Waste imported for final processing and removal.</p> <p>Gross domestic product (GDP) presents the final result of the activity of all entities of the national economy. GDP is the sum of gross value added generated by all national institutional units, increased by taxes on products less subsidies on products.</p> <p>Resource productivity provides information on whether there is decoupling of economic growth and natural resource use and, by implication, reduction of the negative impact of the economy on the environment.</p> <p>The resource productivity indicator is presented at constant prices as of 2010 (euro/kg) – for comparison of resource productivity in time for a single territorial unit.</p>
Data source	Eurostat
Data availability	Annual data; since 2010
Notes	The presented indicator (8.4.1 Resource productivity) is a proxy indicator to the one adopted in the official list of indicators of the UN Sustainable Development Goals. The replacement of the original indicator (8.4.1 Material footprint, material footprint per capita, and material footprint per GDP) is due to the inability to obtain data for it. The proxy indicator has been selected so as to most fully reflect the essence of the observed phenomenon.

Last update: 04-07-2023, 13:01