

06a Total CO2 intensity of energy used in production activities of the national economy

Indicator type **Core indicator**

Published

Versioning

First publication Latest update

Area and sub-area

Area and sub-area

Presentation

Tier

Indicator definition and description

Unit of measure

Coverage

Spatial aggregation

Reference period

Update frequency

Base period

Disaggregation (operational indicators)

Disaggregation (operational indicators)	Comments
Economic sector (ISIC) and households	Carbon intensity of energy by industry (ISIC classification); Here only a disaggregation by economic sectors is possible (households not included in the indicator)
Spatial	
Energy product (SIEC)	

Other related -indicators (e.g.contextual, proxy, other core indicators)

ID	Subindicator	Type
06b	Carbon intensity of TPES	Proxy indicator
29a	Renewable energy share in total energy use by the national economy	Core indicator

Relevance

Policy context and rationale

Related SDG indicator (SDG I.)

Relation w SDG-I.

Related Sendai Framework I.

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Policy references

Document title	Link
Paris Agreement (United Nations, 2015)	https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement

Methodology

Methodology for indicator calculation	This indicator is calculated as CO2 emissions (without emissions from biomass used as a fuel) from total ISIC Industries (01-99) in kilotonnes divided by the intermediate consumption of energy products of total ISIC Industries (01-99) in TJ.
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Methodology references

Document title	Link
Manual for air emission accounts (Eurostat, 2015)	https://ec.europa.eu/eurostat/web/products-manuals-and-guidelines/-/KS-GQ-15-009
System of Environmental Economic Accounting: Air Emission Accounts (United Nations Statistics Division, 2016)	https://seea.un.org/content/air-emissions-accounts
Physical Flow Accounts for Energy (PEFA Manual) (Eurostat, 2014)	http://ec.europa.eu/eurostat/web/environment/methodology
System of Environmental-Economic Accounting for Energy (SEEA-Energy) (United Nations Statistics Division, 2019)	https://seea.un.org/seea-energy

Classification syst. Standard International Energy Product Classification (SIEC)

Data sources

Main source	Official statistics: SEEA and/or SNA
Explanation	SEEA air emission accounts and SEEA energy accounts

SEEA Accounts that can serve as data sources

SEEA Account	Comments
Physical flow accounts for energy	
Air emission accounts	

UN-FDES	3.1.1: Emissions of greenhouse gases
	2.2.2: Production, trade and consumption of energy

International databases containing this indicator

Comments

Comments	This indicator differs from similar indicators produced by the World Bank and the International Energy Agency as it excludes households.
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