

10b CO2 emissions from fuel combustion within the national territory

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
<input type="text" value="Spatial"/>	<input type="text"/>
<input type="text" value="Energy product (SIEC)"/>	<input type="text"/>
<input type="text" value="Temporal (by month, by season)"/>	<input type="text"/>

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

ID	Subindicator	Type
<input type="text" value="09b"/>	<input type="text" value="Total greenhouse gas emissions (excluding LULUCF) from the national territory"/>	<input type="text" value="Core indicator"/>
<input type="text" value="55"/>	<input type="text" value="Passenger transport mode (person kilometers per mode/capita)"/>	<input type="text" value="Contextual indicator"/>
<input type="text" value="56"/>	<input type="text" value="Freight transport mode (ton kilometers per mode)"/>	<input type="text" value="Contextual indicator"/>

Relevance

Policy context and rationale

10b CO2 emissions from fuel combustion within the national territory

Indicator type **Core indicator**

Published

Related SDG indicator (SDG I.) Not applicable

Relation w SDG-I.

Related Sendai Framework I. Not applicable

Policy references

Document title	Link
Transforming our world: the 2030 Agenda for Sustainable Development (General Assembly of the United Nations, 2015)	https://sustainabledevelopment.un.org/post2015/transformingourworld
Kyoto Protocol (United Nations Climate Change, 1997)	https://unfccc.int/process-and-meetings/the-kyoto-protocol/what-is-the-kyoto-protocol/kyoto-protocol-targets-for-the-first-commitment-period
Paris Agreement (United Nations, 2015)	https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement
United Nations Framework Convention on Climate Change (United Nations Climate Change, 1994)	https://unfccc.int/process-and-meetings/the-convention/what-is-the-united-nations-framework-convention-on-climate-change

Methodology

Methodology for indicator calculation This indicator is calculated as the sum of emissions from the combustion of fuels, where for each fuel: CO2 emissions = fuel consumption related to energy use in the territory * CO2 emission factor. CO2 emissions from fuel combustion can be calculated using national or default methods, national or IEA energy data and country-specific emission factors or emission factors from the 2006 IPCC guidelines.

Methodology references

Document title	Link
CO2 Emissions from Fuel Combustion (data and metadata) (International Energy Agency, 2018)	https://www.iea.org/data-and-statistics/data-product/co2-emissions-from-fuel-combustion-highlights
2006 IPCC Guidelines for National Greenhouse Gas Inventories Volume 2: Energy (Intergovernmental Panel on Climate Change (IPCC), 2006)	https://www.ipcc-nggip.iges.or.jp/public/2006gl/vol2.html
Decision 17/CP.8 Guidelines for the preparation of national communications from Parties not included in Annex I to the Convention (United Nations Climate Change, 2002)	https://unfccc.int/process-and-meetings/transparency-and-reporting/support-for-developing-countries/guidelines-and-manuals-for-the-preparation-of-non-annex-i-national-reports-and-international-eq-5
Decision 24/CP.19 Revision of the UNFCCC reporting guidelines on annual inventories for Parties included in Annex I to the Convention (United Nations Climate Change, 2013)	https://unfccc.int/process-and-meetings/transparency-and-reporting/reporting-and-review-under-the-convention/greenhouse-gas-inventories-annex-i-parties/reporting-requirements

Classification syst. By fuel and by sectors: Electricity and heat production. Manufacturing industries and construction. Transport (of which: road). Other sectors (of which: residential)

10b CO2 emissions from fuel combustion within the national territory

Indicator type **Core indicator**

Published

Data sources

Main source	Other than official statistics
Explanation	National GHG inventories submitted under the UNFCCC (in some countries part of official statistics) or national energy statistics in combination with (default or national) emission coefficients.

SEEA Accounts that can serve as data sources

UN-FDES	3.1.1: Emissions of greenhouse gases
---------	--------------------------------------

International databases containing this indicator

Eurostat database	https://ec.europa.eu/eurostat/data/database
International Energy Agency	http://www.iea.org/statistics/
UNFCCC GHG data portal	https://unfccc.int/process/transparency-and-reporting/greenhouse-gas-data/ghg-data-unfccc/ghg-data-from-unfccc
UNFCCC database	https://unfccc.int/process-and-meetings/transparency-and-reporting/greenhouse-gas-data/ghg-data-unfccc/ghg-data-from-unfccc
UNFCCC website for National Inventory Submissions for Annex I Parties	https://unfccc.int/ghg-inventories-annex-i-parties/2021
UNFCCC website for National Communication submissions from Non-Annex I Parties	https://unfccc.int/process-and-meetings/transparency-and-reporting/reporting-and-review-under-the-convention/national-communications-and-biennial-update-reports-non-annex-i-parties/national-communication-submissions-from-non-annex-i-parties
UNFCCC website for Biennial Update Report submissions from	https://unfccc.int/BURs
EEA greenhouse gas - data viewer	https://www.eea.europa.eu/data-and-maps/data/data-viewers/greenhouse-gases-viewer

Comments

Comments	The value reported for indicator "10b - CO2 emissions from fuel combustion in the national territory" should be different from the value reported for indicator "10a - CO2 emissions from fuel combustion by national economy".
----------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------