29b Renewable energy share in the total final energy consumption within the national territory

Indicator type Core indicator Published

Versioning					
First publication	1/26/2017	Latest update	9/25/2020		
Area and sub-area					
Area and sub-area	Mitigation	Energy resource	es		
Presentation					
Tier	1				
Indicator definition and	Percentage of final consumption of energy on the national territory that is derived from renewable resources.				
description					
Unit of measure	%				
Coverage	Final consumption on the territory. Final consumption refers to all fuel and energy delivered to users for both their energy and non-energy uses, and which do not involve a transformation process.				
Spatial aggregation	National territory				
Reference period	Calendar year				
Update frequency	Annual				
Base period	Not applicable				
Disaggregation (ope	rational indicators)				
Disaggregation (operational indicators)			Comments		
Spatial					
Energy product (SIEC)					
Other related -indicators (e.g.contextual, proxy, other core indicators)					

ID	Subindicator	Туре
29a	Renewable energy share in total energy use by the national economy	Core indicator
69	Production costs of renewable energy (total and per technology)	Contextual indicator
70	Energy price	Contextual indicator
71	Number of vehicles per type of fuel	Contextual indicator
72	Renewable energy capacity per technology	Contextual indicator
73	Energetic share of biofuel in total fuel	Contextual indicator

Relevance

Policy context and rationale

Renewable energy has generally several benefits compared to fossil fuels, including a reduction in greenhouse gas and air pollutant emissions, lesser environmental and health impacts, and a reduced dependency on energy imports. Increasing the share of renewable energy sources in energy consumption will therefore reduce environmental pressures linked to the extraction and use of non-renewable energy.

Related SDG indicator (SDG I.)

7.2.1 Renewable energy share in the total final energy consumption

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Relation w SDG-I.

Identical with SDG indicator

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://sustainable
sformingourworld

https://sustainabledevelopment.un.org/post2015/transformingourworld

Directive 2009/28/EC of the European Parliament and of the Council of 23 April 2009 on the promotion of the use of energy from renewable sources and amending and subsequently repealing Directives 2001/77/EC and 2003/30/EC (Text with EEA relevance) (European Commission, 2009)

https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX%3A32009L0028

Communication From The Commission To The European Parliament, The Council, The European Economic And Social Committee And The Committee Of The Regions Energy 2020 A Strategy For Competitive, Sustainable And Secure Energy (European Commission, 2010)

https://ec.europa.eu/energy/en/topics/energystrategy-and-energy-union/2020-energy-strategy

Methodology

Methodology for indicator calculation

The indicator is calculated by dividing final energy consumption from all renewable sources by total final energy consumption. Renewable energy

consumption is derived from three tables of the IEA world energy statistics and balances: total final consumption, electricity output and heat output. For detailed methodology, see metadata of SDG indicator 7.2.1

Methodology references

Document title Link

Tracking SDG 7. The Energy Progress Report. (Internal Energy Agency, International Renewable Energy Agency, United Nations Statistical Division, World Bank Group, World Health Organization, 2019)

https://trackingsdg7.esmap.org/data/files/download-documents/2019-Tracking%20SDG7-Full%20Report.pdf

Metadata of SDG indicator 7.2.1: Renewable energy share in the total final energy consumption (percent) (International Energy Agency (IEA), United Nations Statistics Division (UNSD), International Renewable Energy Agency (IRENA), 2019) https://unstats.un.org/sdgs/metadata/files/Metadata-07-02-01.pdf

Classification syst. Standard International Energy Product Classification (SIEC)

Data sources

Main source Official statistics: other than accounts

Explanation Energy balances, energy statistics

SEEA Accounts that can serve as data sources

UN-FDES 2.2.2: Production, trade and consumption of energy

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Indicator type Core indicator Published

International databases containing this indicator

World Bank DataBank	https://databank.worldbank.org
SDG indicators database	https://unstats.un.org/sdgs/indicators/database/

Comments

Comments

This indicator is not comparable to the indicator requested by EU Directive 28/2009/CE, because the latter includes some multiplicative factors for some renewables products.