## 29a Renewable energy share in total energy use by the national economy

Indicator type Core indicator

Published

Versioning					
First publication	1/26/2017	Latest update	9/10/2020		
Area and sub-area					
Area and sub-area	Mitigation	Energy resource	S		
Presentation					
Tier	3				
Percentage of renewable energy use in total energy use of the national economy.  definition and description					
Unit of measure	%				
Coverage	All economic activities (production, consumption, accumulation)				
Spatial aggregation	National economy				
Reference period	Calendar year				
Update frequency	Annual				
Base period					
Disaggregation (operational indicators)					
Disaggregation (operational indicators) Comments					

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

Type of purpose (heating, cooling, transport, other)

ID	Subindicator	Туре
01a	Total energy use by the national economy	Core indicator
29b	Renewable energy share in the total final energy consumption within the national territory	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

Spatial

Energy product (SIEC)

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.

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	SDG Target 7.2 aims by 2030 to increase energy mix.	substantially the share of renewable energy in the global			
Related SDG indicator (SDG I.)	Not applicable				
Relation w SDG-I.					
Related Sendai Framework I.	Not applicable				
Policy references					
	Document title	Link			
Parliament, The Cou Committee And The	m The Commission To The European uncil, The European Economic And Social Committee Of The Regions Energy 2020 petitive, Sustainable And Secure Energy sion, 2010)	https://ec.europa.eu/energy/en/topics/energy- strategy-and-energy-union/2020-energy-strategy			
Council of 23 April 2 energy from renewa subsequently repea	C of the European Parliament and of the 2009 on the promotion of the use of able sources and amending and ling Directives 2001/77/EC and with EEA relevance) (European	https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX%3A32009L0028			
Methodology					
Methodology for indicator calculation	Total energy use is measured at the end use stage. End use refers to the final transformation stage of human energy use, i.e. afterwards the energy is no longer available for human use in the respective accounting period.  Seperating out what share of that energy comes from renewable enegy is not straightforward, e.g. it requires an estimate of the energy mix for imported electricity.				
Methodology references					
	Document title	Link			
System of Environmental-Economic Accounting for Energy (SEEA-Energy) (United Nations Statistics Division, 2019)  https://seea.un.org/seea-energy					

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	Document title	Link				
*	ental-Economic Accounting for Energy ed Nations Statistics Division, 2019)	https://seea.un.org/seea-energy				
Physical Flow Accounts for Energy (PEFA Manual) (Eurostat, 2014)		http://ec.europa.eu/eurostat/web/environment/meth odology				
International Recommendations for Energy Statistics (United Nations, 2018)		https://unstats.un.org/unsd/energy/ires/				
Classification syst.	SIEC					
Data sources						
Main source	Official statistics: SEEA and/or SNA					
Explanation	SEEA energy accounts					
SEEA Accounts that can serve as data sources						

Comments

SEEA Account

Physical flow accounts for energy

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**UN-FDES** 

2.2.2: Production, trade and consumption of energy

International databases containing this indicator

## **Comments**

Comments Further methodological research is needed.