02a Share of fossil fuels in total energy use by the national economy

Indicator type Core indicator

Published

Versio	ning						
First p	ublication	1/26/2017	Latest update	9/24/20	19		
Area and sub-area							
Area and sub-area		Drivers	National total				
Presentation							
Tier 3							
Indicator definition and description		Share of fossil fuels of the total energy use for a national economy. Fossil fuels used for non-energy products are not considered.					
Unit of measure		%					
Coverage		All economic activities (production, consumption, accumulation) undertaken by resident units					
Spatial aggregation		National economy					
Reference period		Calendar year					
Update frequency		Annual					
Base period Not applicable							
Disagg	regation (ope	rational indicators)				
Disag	gregation (ope	erational indicator	s)		Comments		
Economic sector (ISIC) and households							
Spatial							
Energy product (SIEC)							
Other	related -indica	ntors (e.g.contextu	ial, proxy, other co	ore indicators)		
ID			Subindicato	r		Туре	
01a Total energy		use by the national economy				Core indicator	
O2b Share of foss		il fuels in total primary energy supply (TPES)				Core indicator	
29a Renewable e		nergy share in total energy use by the national economy			conomy	Core indicator	
Releva	ince						
Policy context and rationale		The combustion of fossil fuels is a leading contributor to global man-made greenhouse-gas emissions.					
Related SDG indicator (SDG I.)		Not applicable					
Relation w SDG-I.							
Related Sendai Framework I.		Not applicable					
Policy references							
		Document title				Link	

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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

Further research needed.

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 fossil fuels is not straightforward, e.g. it requires an estimate of the energy mix for imported electricity

Methodology references

Document title	Link						
Physical Flow Accounts for Energy (PEFA Manual) (Eurostat, 2014)	http://ec.europa.eu/eurostat/web/environment/meth odology						
System of Environmental-Economic Accounting for Energy (SEEA-Energy) (United Nations Statistics Division, 2019)	https://seea.un.org/seea-energy						
International Recommendations for Energy Statistics (United Nations, 2018)	https://unstats.un.org/unsd/energy/ires/						
Classification syst. SEEA Physical Flow Accounts/Eurostat Energy Accounts							

Data sources

Main source Official statistics: SEEA and/or SNA

Explanation SEEA energy accounts

SEEA Accounts that can serve as data sources

SEEA Account	Comments
Physical flow accounts for energy	

2.2.2: Production, trade and consumption of energy

International databases containing this indicator

Comments

UN-FDES

Comments

Such a kind of indicator is not yet included in PEFA. The indicator definition for a such a kind of indicator is not straightforward. Further research is needed.