

## 29a Renewable energy share in total energy use by 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
<input type="text" value="Spatial"/>	<input type="text"/>
<input type="text" value="Energy product (SIEC)"/>	<input type="text"/>
<input type="text" value="Type of purpose (heating, cooling, transport, other)"/>	<input type="text"/>

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

ID	Subindicator	Type
<input type="text" value="01a"/>	<input type="text" value="Total energy use by the national economy"/>	<input type="text" value="Core indicator"/>
<input type="text" value="29b"/>	<input type="text" value="Renewable energy share in the total final energy consumption within the national territory"/>	<input type="text" value="Core indicator"/>
<input type="text" value="69"/>	<input type="text" value="Production costs of renewable energy (total and per technology)"/>	<input type="text" value="Contextual indicator"/>
<input type="text" value="70"/>	<input type="text" value="Energy price"/>	<input type="text" value="Contextual indicator"/>
<input type="text" value="71"/>	<input type="text" value="Number of vehicles per type of fuel"/>	<input type="text" value="Contextual indicator"/>
<input type="text" value="72"/>	<input type="text" value="Renewable energy capacity per technology"/>	<input type="text" value="Contextual indicator"/>
<input type="text" value="73"/>	<input type="text" value="Energetic share of biofuel in total fuel"/>	<input type="text" value="Contextual indicator"/>

### Relevance

Policy context and rationale

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SDG Target 7.2 aims by 2030 to increase substantially the share of renewable energy in the global energy mix.

Related SDG indicator (SDG I.)

Not applicable

Relation w SDG-I.

Related Sendai Framework I.

Not applicable

Policy references

Document title	Link
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)	<a href="https://ec.europa.eu/energy/en/topics/energy-strategy-and-energy-union/2020-energy-strategy">https://ec.europa.eu/energy/en/topics/energy-strategy-and-energy-union/2020-energy-strategy</a>
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)	<a href="https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX%3A32009L0028">https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX%3A32009L0028</a>

### 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.  
Separating out what share of that energy comes from renewable energy 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)	<a href="https://seea.un.org/seea-energy">https://seea.un.org/seea-energy</a>
Physical Flow Accounts for Energy (PEFA Manual) (Eurostat, 2014)	<a href="http://ec.europa.eu/eurostat/web/environment/methodology">http://ec.europa.eu/eurostat/web/environment/methodology</a>
International Recommendations for Energy Statistics (United Nations, 2018)	<a href="https://unstats.un.org/unsd/energy/ires/">https://unstats.un.org/unsd/energy/ires/</a>

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

SEEA Account	Comments
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.