

## **SDG Goal 7 Affordable and clean energy**

### **SDG Target 7.2 By 2030, increase substantially the share of renewable energy in the global energy mix**

#### **SDG Indicator 7.2.1 Renewable energy share in the total final energy consumption**

1. Name of data series	
<b>Renewable energy share in gross final energy consumption (according to national definition)</b>	
Compliant with SDG metadata: no	<a href="#">SDG Metadata</a>

2. Definition of indicator
The indicator pictures the total energy produced by renewable sources as a share in gross final energy consumption. Renewable sources include solar, wind, ocean, hydropower, geothermal resources, and bioenergy.
3. Comparison with SDG metadata (as of 12/12/2017)
The national method for calculating the indicator diverges in several definitions from the SDG metadata.

4. Data description	
The data is calculated and published by the Working Group on Renewable Energy-Statistics (AGEE-Stat) under the guidance of the Federal Ministry for Economic Affairs. The main data provider is the Working Group on Energy Balances (AGEB) which produces the German Energy Balance on an annual basis. The data on renewable energy includes solar radiation, geothermal energy and tidal energy. These can be harnessed either directly or indirectly in form of biomass, wind, hydropower, ambient heat and wave energy.	
5. Calculation method	
Complex calculation method; please see metadata on source data or contact AGEE-Stat	
6. Unit of measure	%

7. Timeliness	8. Frequency
t + 1 year	Annual
9. Last regular revision	10. Revised period
Not available	Not available

11. Accessibility of source data
<p>Data on renewable energy:</p> <p><a href="https://www.erneuerbare-energien.de/EE/Redaktion/DE/Downloads/zeitreihen-zur-entwicklung-der-erneuerbaren-energien-in-deutschland-1990-2018-en.pdf?__blob=publicationFile&amp;v=6">https://www.erneuerbare-energien.de/EE/Redaktion/DE/Downloads/zeitreihen-zur-entwicklung-der-erneuerbaren-energien-in-deutschland-1990-2018-en.pdf?__blob=publicationFile&amp;v=6</a></p>
12. Metadata on source data
<p>Included in data on renewable energy:</p> <p><a href="https://www.erneuerbare-energien.de/EE/Redaktion/DE/Downloads/zeitreihen-zur-entwicklung-der-erneuerbaren-energien-in-deutschland-1990-2018-en.pdf?__blob=publicationFile&amp;v=6">https://www.erneuerbare-energien.de/EE/Redaktion/DE/Downloads/zeitreihen-zur-entwicklung-der-erneuerbaren-energien-in-deutschland-1990-2018-en.pdf?__blob=publicationFile&amp;v=6</a></p>
13. Related SDG data series (duplicate indicators or sub-indicators to same indicator)
7.2.1 Renewable energy share in total final energy consumption

For more information please contact:

<https://www.destatis.de/EN/Service/Contact/Contact.html>

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**SDG Target 7.2** By 2030, increase substantially the share of renewable energy in the global energy mix

**SDG Indicator 7.2.1** Renewable energy share in the total final energy consumption

1. Name of data series	
<b>Renewable energy share in total final energy consumption</b>	
Compliant with SDG metadata: yes	<a href="#">SDG Metadata</a>

2. Definition of indicator
The indicator pictures the total energy produced by renewable sources as a share in total final energy consumption. Renewable sources include solar, wind, ocean, hydropower, geothermal resources, and bioenergy.
3. Comparison with SDG metadata (as of 12/12/2017)
The indicator perfectly covers its SDG pendant.

4. Data description	
The data is taken from the Energy Statistics and Balances of the International Energy Agency (IEA).	
5. Calculation method	
$\text{Share of RE in FEC} = \sum_i (\text{TFC}_i + \text{TFC electricity} \cdot \text{share in total electricity output}_i + \text{TFC heat} \cdot \text{share in total heat output}_i)$ <p>Where:</p> <p>RE = renewable energy</p> <p>FEC = Final Energy Consumption</p> <p>i = respective source of RE</p> <p>TFC = Total Final Consumption</p>	
6. Unit of measure	%

7. Timeliness	8. Frequency
t + 32 months	Annual
9. Last regular revision	10. Revised period
Not available	Not available

11. Accessibility of source data
World Energy Balances: <a href="http://www.oecd-ilibrary.org/energy/world-energy-balances_25186442">http://www.oecd-ilibrary.org/energy/world-energy-balances_25186442</a> World Energy Statistics: <a href="http://www.oecd-ilibrary.org/energy/world-energy-statistics_25183885">http://www.oecd-ilibrary.org/energy/world-energy-statistics_25183885</a>
12. Metadata on source data
Manual on IEA energy statistics: <a href="http://www.iea.org/publications/freepublications/publication/energy-statistics-manual.html">http://www.iea.org/publications/freepublications/publication/energy-statistics-manual.html</a>
13. Related SDG data series (duplicate indicators or sub-indicators to same indicator)
7.2.1 Renewable energy share in gross final energy consumption (according to national definition)

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