

METHODOLOGICAL NOTES

Share of renewable energy in gross final energy consumption

This indicator measures how extensive is the use of renewable energy and by implication, the degree to which renewable fuels have substituted fossil and/or nuclear fuels and therefore contributed to the decarbonisation of the economy.

Indicator is calculated as percent ratio between gross final consumption of renewable energy and gross final energy consumption of all energy products defined in the Directive 2009/28/EC on the promotion of the use of energy from renewable sources (for the data from 2004 to the first six months of 2021), amended by the Directive (EC) 2018/2001 (for the data from the second six months of 2021 onwards).

For calculation of the indicator, time series taken from the five annual energy questionnaires (Coal, Oil and petroleum products, Natural gas, Electricity and heat, Renewables and wastes, prepared according to the requirements of the Regulation (EO) 1099/2008 on energy statistics) are used, as well as certain unit factors and specific additional information (as defined in the Directive) that cannot be derived from the five annual energy questionnaires: sustainable liquid fuels from biomass, biogas and solid biofuels, renewable heating (heatpumps), production in mixed hydro plants (excluding pumping).

Normalized electricity, generated by hydropower plants and wind generators, is also used for the calculations. It is calculated as the installed hydro and wind capacity for each year of the studied period is multiplied by the average production of electricity from power unit for the entire period.