SOLID BIOFUELS BAROMETER 2023



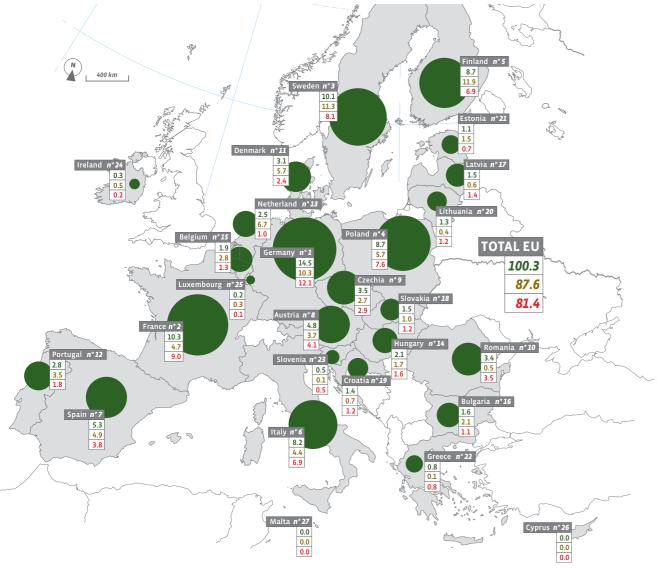
ENGLISH: https://www.eurobserv-er. org/pdf/solid-biofuels-barometer-2023/

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A ccording to EurOb'server, EU 27's solid biofuel energy consumption, in all its forms, should settle at about 100.3 Mtoe. This is the second highest annual consumption figure ever recorded in the EU, following 2021 when a new record was made. The slide from the 2021 peak can be mostly attributed to the years's milder average temparatures, which reduced heating needs across the European Union. Furthermore, wood exacerbated by the backdrop of tighter biomass

sustainability criteria monitoring, international tensions with Russia and record energymarket prices. The heat production sector across the EU-27 contracted in 2022 after sharply in 2021, mainly because of lower heating needs. According to EurObserv'ER, solid biofuel heat used directly by end users fell by 3.2% between 2021 and 2022. Solid biofuel electricity output in the EU 27 was measured at 87.6 TWh in 2022. This output pellet supply circuit pressures hit industrial users, is below the 2021 record production level of 92.7 TWh, meaning that solid biofuel electricity output fell by 5.4% between 2021 and 2022.

Gross inland consumption, gross electricity production and heat consumption* from solid biofuels** in the European Union in 2022***



Inland consumption of solid biofuels** in the European Union 100.3 in 2022*** (in Mtoe)

Gross electricity production from solid biofuels** in the European Union in 2022*** (in TWh).

Heat consumption* from solid biofuels** in the European Union in 2022*** (in Mtoe).

A study carried out by EurObserv'ER.

*Gross heat production in the transformation sector and final energy consumption in Industry and «other sectors» (excluding transport). **Excluding charcoal. *** Estimation. Source: EurObserv'ER 2023.



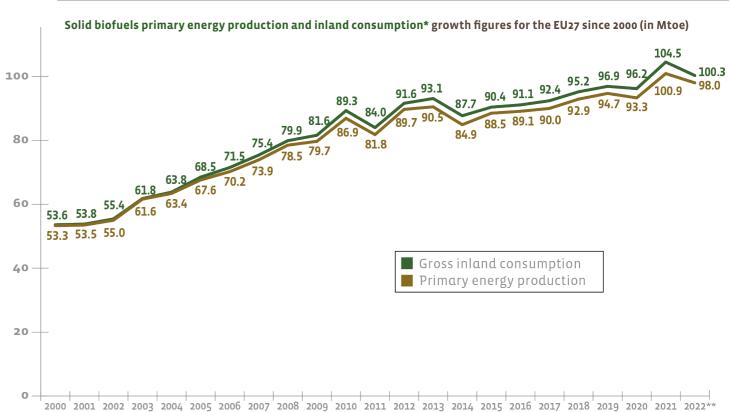


87.6 TWh

The electricity production from solid biofuels in the EU27 in 2022

The heat consumption from solid biofuels in the EU27 in 2022





Excluding charcoal. ** Estimate. Sources: years 2000-2020 Eurostat, years 2021 and 2022 EurOberv'ER. Note: Eurostat data presented for the years 2000 to 2023 are those updated on July 11, 2023 and do not take into account possible statistical revisions at the end of the year 2023.

FURTHER INFORMATION

ANNUAL REPORT: "The State of renewable energies in Europe", 21st edition, www.eurobserv-er.org/21st-annual-overview-barometer/

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The next barometer will be dedicated to wind power.

This barometer was prepared by Observ'ER in the scope of the EurObserv'ER project, which groups together Observ'ER (FR), TNO (NL), Renewables Academy (DE), Fraunhofer-ISI (DE), VITO (BE) and CBS Statistics Netherlands (NL). The information and views set out in this publication are those of the author(s) and do not necessarily reflect the official opinion of the Commission. The Commission does not guarantee the accuracy of the data included in this study. Neither the Commission nor any person acting on the Commission's behalf may be held responsible for the use which may be made of the information contained therein