

# RENEWABLE ENERGY IN TRANSPORT BAROMETER



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The preliminary data collected by EurObserv'ER suggests that renewable energy consumption in European Union transport (road, rail, maritime, or air), powered by combustion or electric engines, increased by about 6.3% between 2022 and 2023, reaching almost 20.9 Mtoe. The renewable energy share of European Union transport, as defined by the Renewable Energy Directive (RED II), is

expected to surpass the 10% mark in 2023 and outperform the 9.6% share measured in 2022. Biofuel consumption (in energy content) in the EU reached 18.5 Mtoe in 2023, following a period of relative stability in 2021 (17.1 Mtoe) and 2022 (17.4 Mtoe). Meanwhile, renewable electricity use in transport rose to 2.4 Mtoe (equivalent to 27.5 TWh), marking a year-on-year increase of 6.7%.

**+ 6.3 %**

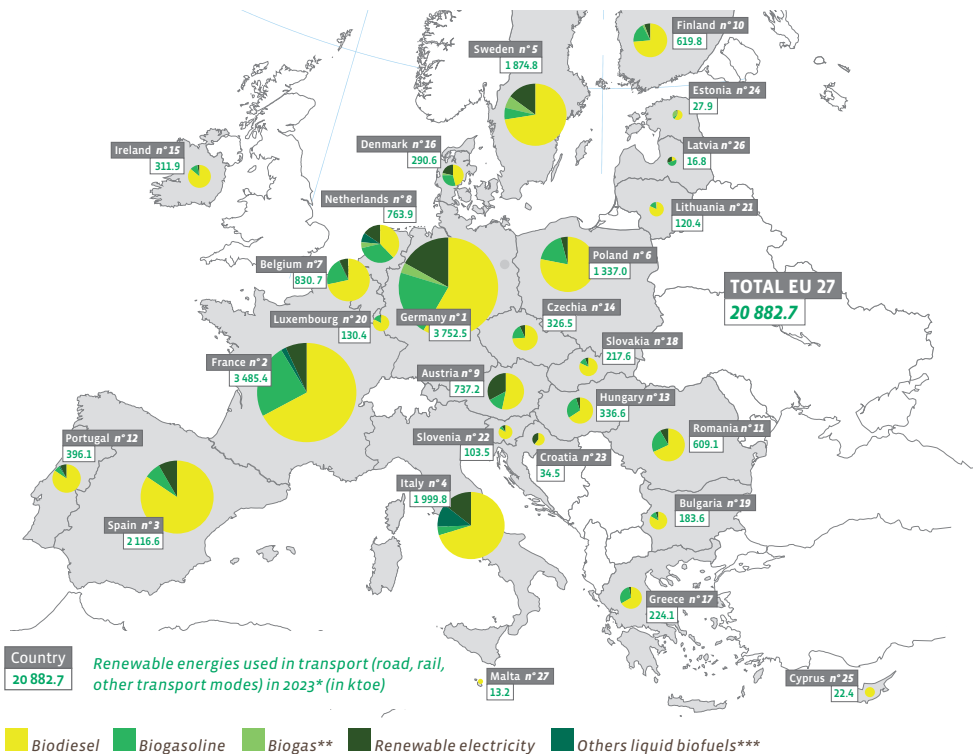
The increase of renewable energy consumption for transport in the EU27 between 2022 and 2023 (in energy content)

**18.5 Mtoe**

Total biofuel consumption in 2023 in the EU 27

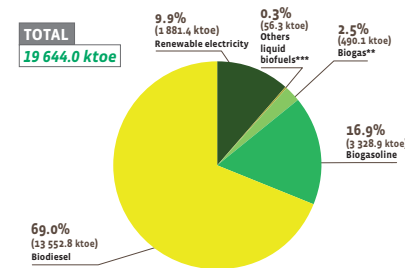


## Renewable energies used in transport (road, rail, other transport modes) in 2023\* (in ktoe)

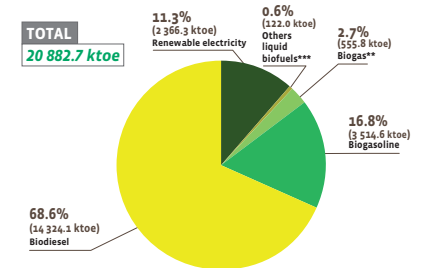


\* Estimation \*\* Including biomethane blended in the natural gas grid allocated to the transport sector with appropriate traceability requirements. \*\*\* Including biokerosene and vegetable oil. Source: EurObserv'ER 2024.

## Breakdown of renewable energy used in transport (all types) of the countries of the EU to 27 (in ktoe and %) in 2022



## Breakdown of renewable energy used in transport (all types) of the countries of the EU to 27 (in ktoe and %) in 2023\*



\* Estimation. \*\* Including biomethane blended in the natural gas grid allocated to the transport sector with appropriate traceability requirements. \*\*\* Including biokerosene and vegetable oil. Source: EurObserv'ER 2024.

## FURTHER INFORMATION

- ANNUAL REPORT: "The State of renewable energies in Europe", 22nd edition, [www.eurobserv-er.org/22nd-annual-overview-barometer/](http://www.eurobserv-er.org/22nd-annual-overview-barometer/)
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The next barometer will cover solid biofuels

### DISCLAIMER

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