

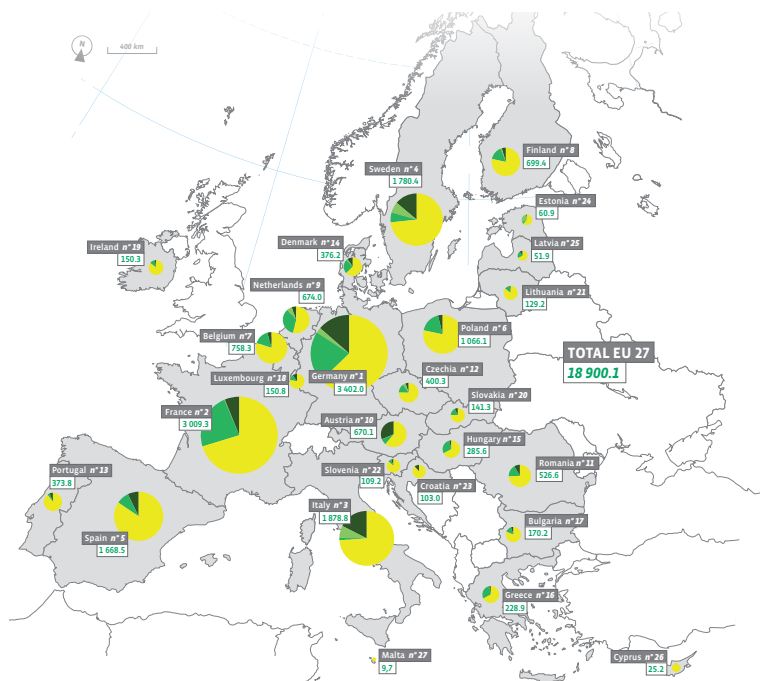
# RENEWABLE ENERGY IN TRANSPORT BAROMETER

In 2021, the gradual lifting of confinement restrictions has led to an increase in energy consumption in transport as well as in the share of biofuels and renewable electricity. Preliminary estimates suggest that biofuel consumption in the EU-27 increased by around 4.3% between 2020 and 2021, to over 17 Mtoe. Since January 2021, the Renewable Energy Directive (RED II) provides a new legal framework for the consumption of renewable energy in transport and proposes a new calculation method to measure the share

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coming from renewable electricity. Based on this new approach, it is estimated that nearly 1.9 Mtoe of renewable electricity was used in transport in 2021. The past year has also seen an increase in sales of plug-in electric passenger vehicles (1.7 million) compared to 1 million in 2020. The market share of these vehicles in total passenger vehicle sales increased to 18% in 2021 (9.1% for 100% electric and 8.9% for plug-in hybrids) compared to only 10.5% in 2020.

Renewable energies used in transport (road, rail, other transport modes) in 2021\* (in ktloe)



Country: **3 402.0** Renewable energies used in transport (road, rail, other transport modes) in 2021\* (in ktloe)

■ Biodiesel
 ■ Biogasoline
 ■ Biogas
 ■ Renewable electricity

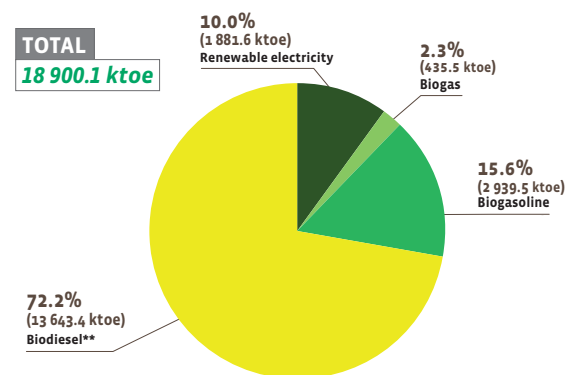
\* Estimation \*\* Including HVO \*\*\* Including biomethane blended in the natural gas grid allocated to the transport sector with appropriate traceability requirements. Source: EurObserv'ER 2022.

## 21.9 TWh (eq 1.9 Mtoe)

Renewable electricity used in transport (road, rail, other transport modes) in the EU27 in 2021



Breakdown of renewable energy used in transport (all types) of the countries of the European Union to 27 (in ktloe and %) in 2021\*



\* Estimation. EurObserv'ER 2022

## 17 Mtoe

Total biofuel consumption in EU27 transport in 2021

## +4.3 %

The increase of biofuels consumption for transport in the EU27 between 2020 and 2021 (in energy content)

### FURTHER INFORMATION

ANNUAL REPORT: "The State of renewable energies in Europe", 20th edition,

[www.eurobserv-er.org/20th-annual-overview-barometer/](http://www.eurobserv-er.org/20th-annual-overview-barometer/)

DATABASE: [www.eurobserv-er.org/online-database](http://www.eurobserv-er.org/online-database)

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The next barometer in December will cover solid biofuels.

### DISCLAIMER

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