



BIOGAS BAROMETER 2023

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The initial EurObserv'ER estimates put the European Union's primary biogas energy output for 2022 at over 15.8 million tonnes of oil equivalent (Mtoe), which amounts to modest annual growth of 1.3% (196 410 tonnes of oil equivalent). Biomethane injection into the natural gas grid has dominated this increase, driven by the proactive policies of a few Member States, primarily France and Denmark. Germany is still the leading EU

biogas producer country and accounted for 51.4% of the EU total in 2022, ahead of Italy with 12.9% and France with 10.3%. As for the European Union's potential, a new study published in July 2022 by the Gas for Climate consortium shows that 41 billion m3 of biomethane could be available in 2030 and 151 billion m3 in 2050.

+ 1.3 %

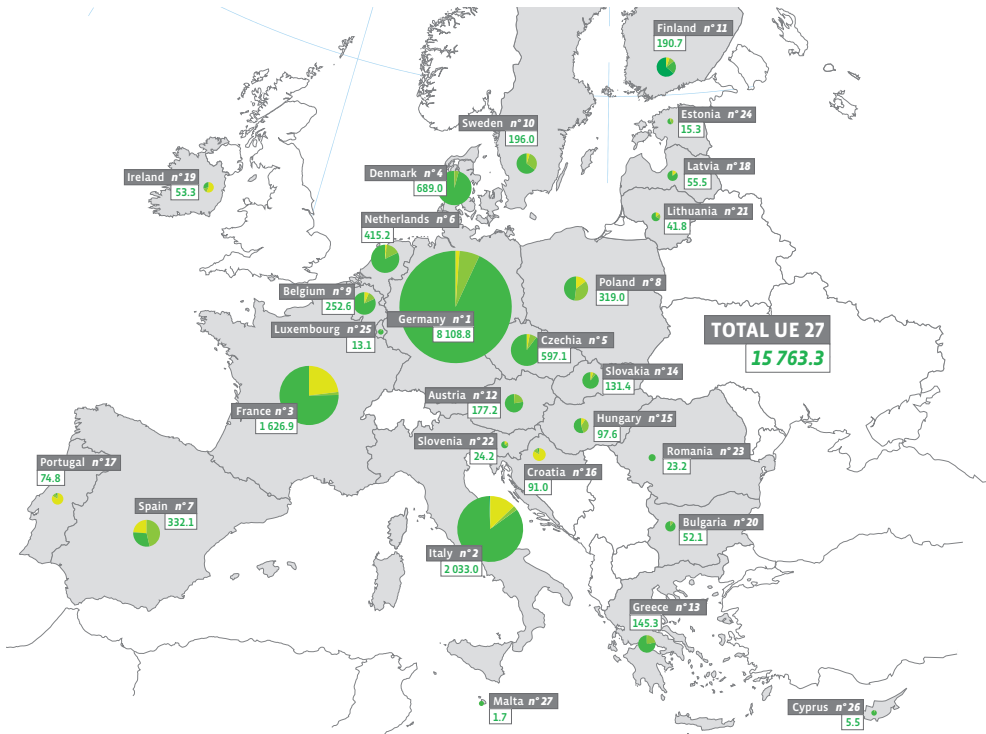
Biogas primary energy production growth in the EU 27 between 2021 and 2022

15.8 Mtoe

of biogas primary energy produced in 2022 in the EU 27



Primary energy production from Biogas in the European Union at the end of 2022* (MW)

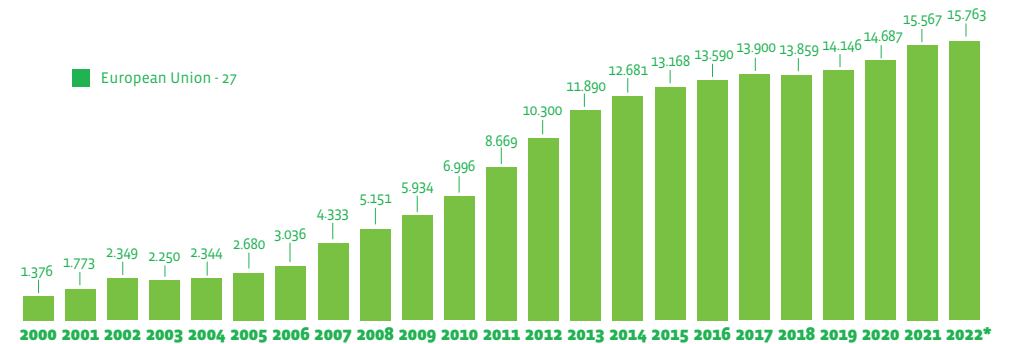


15 763.3 Green figures show total biogas production in ktOe.

■ Landfill biogas
 ■ Sewage sludge gas
 ■ Other biogases from anaerobic fermentation
 ■ Biogases from thermal processes

*Estimation. Note: When the information was not yet available, the distribution between the different types of biogas was estimated by EurObserv'ER for the year 2022 according to the distribution of the year 2021. Source: EurObserv'ER 2023

Primary energy production from biogas* in the EU in the European Union (27) since 2000 (in Mtoe)



*Note: Methodological improvements concerning biogas production statistics in Germany have been taken into account from 2021, resulting in an increase in the level of production in this country. *Estimation. Source: Eurostat (year 2000-2020), EurObserv'ER (2021-2022)

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 cover renewable energies in transport

DISCLAIMER

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