

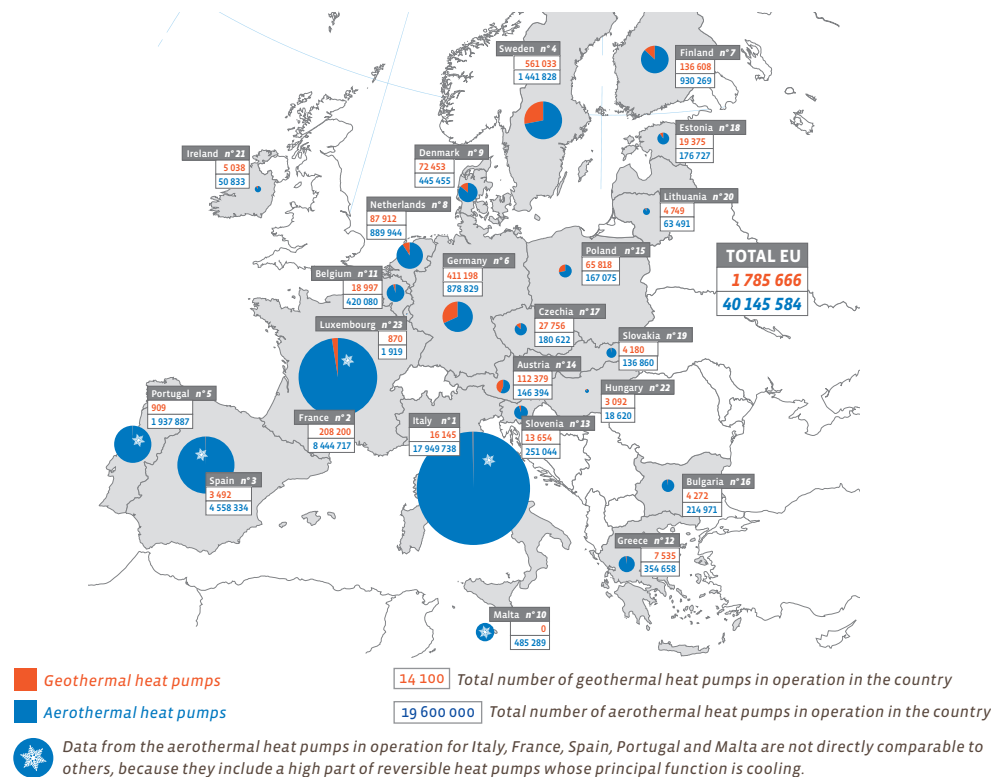
HEAT PUMPS BAROMETER 2021

The public authorities view heat pump technology as one of the keys to achieving carbon neutrality by 2050. Driven by strong momentum, the European aerothermal heat pump market grew by 3.4% in 2020. With 4.2 million of new units sold, this technology confirms its domination among other renewable heat sources. Air-to-air equipment still accounts for the bulk of sales on the

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European market, with more than 3.6 million systems sold. The three most important markets are not surprisingly located around in Mediterranean area (Italy, France, and Spain) and represent 74.6% of new reversible air-to-air systems installed in Europe. On the geothermal sector, sales are on another level but heat pumps market growth was 9.1% over its 2019 level, with 100 838 units sold.

Number of aerothermal and geothermal heat pumps in operation in the European Union in 2020*



* Estimate. Note: Only heat pumps that meet the efficiency criteria (seasonal performance factor) defined by Directive 2018/2002/EC are taken into account. Data for Romania, Latvia, Cyprus and Croatia was not available during our study. Source: EuroObserv'ER 2021.

+3.4%

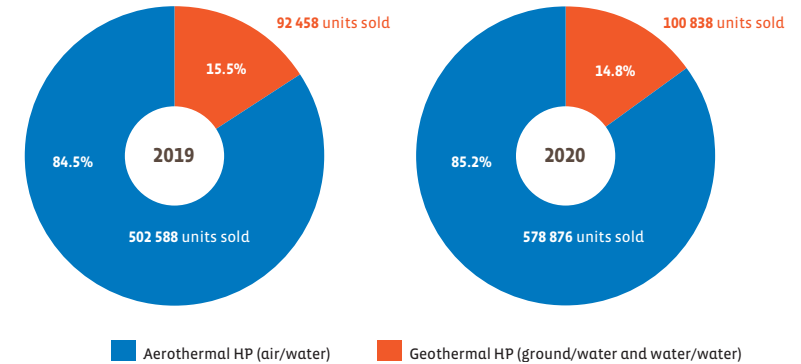
the increase of the heat pump market (all technologies) between 2019 and 2020 in the EU

13.2 Mtoe

the estimate renewable energy provided by heat pumps in the EU in 2020



Geothermal and air source 2019 and 2020 market shares of the water-borne heat pump segment in the EU*



1. hydrothermal HP included. 2. A hydronic heat pump system uses water or another liquid as a heat transfer fluid in heating and cooling systems (with radiators or a heating floor). * Estimation. Market data for Romania, Bulgaria, Latvia, Cyprus and Croatia was not available during our study Source: EuroObserv'ER 2021.

FURTHER INFORMATION

ANNUAL REPORT: "The State of renewable energies in Europe", 19th edition, www.eurobserv-er.org/19th-annual-overview-barometer

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The next barometer will cover solid biofuels.

DISCLAIMER

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