

EUROPEAN BIOMETHANE MAP

INFRASTRUCTURE FOR BIOMETHANE PRODUCTION

2023

Gas Infrastructure Europe (GIE) is the association representing the safe interest of the infrastructure industry in the natural gas business such as Transmission System Operators, Storage System Operators and LNG Terminal Operators.

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BIOMETHANE DATA LEGEND

Country - Facility number

biomethane plant

biolNG plant

Total installed plants

Newly installed plants

Previously installed biomethane plant

Previously installed biolNG plant

Newly installed biomethane plant

Newly installed biolNG plant

MAP LEGEND

European country producing biomethane

Not producing biomethane (no data available)

Cross border / Interconnection points

operational

planned

Cross border interconnection point

Intra-country or intra balancing zone point

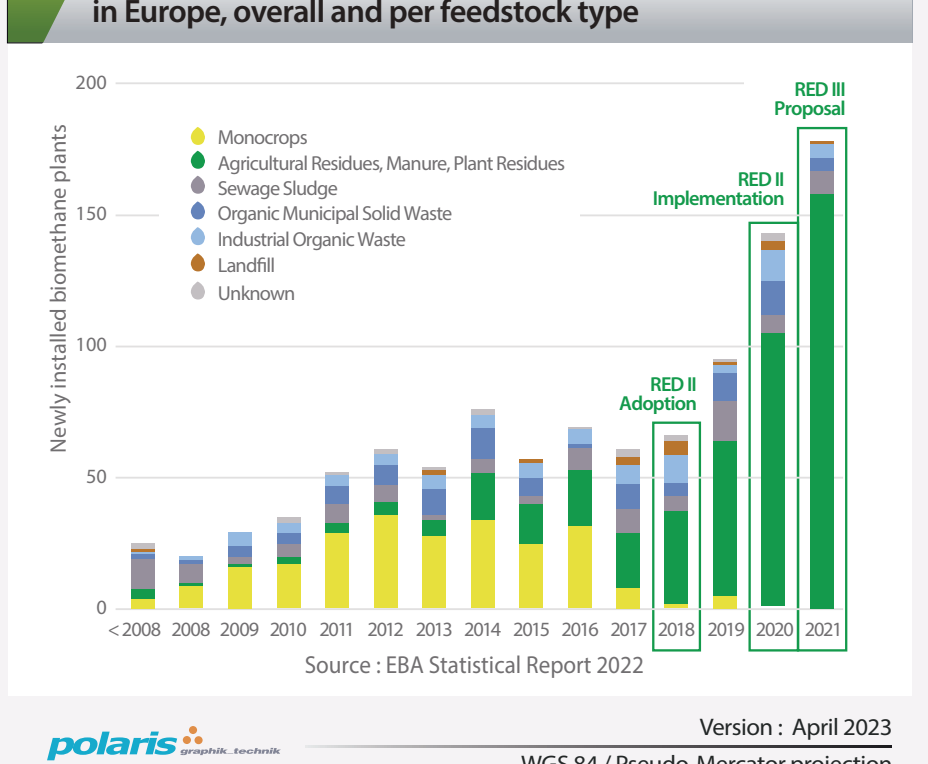
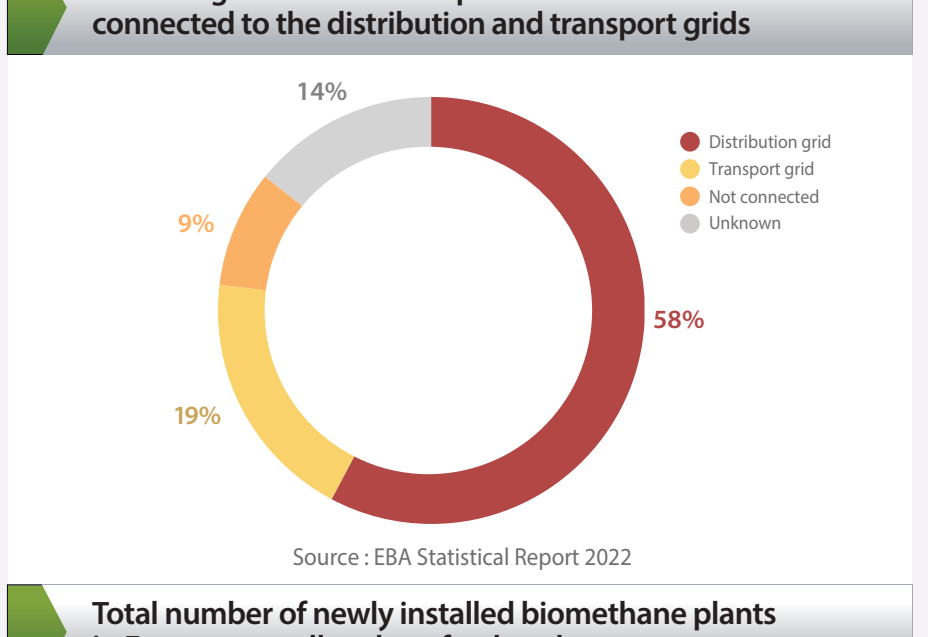
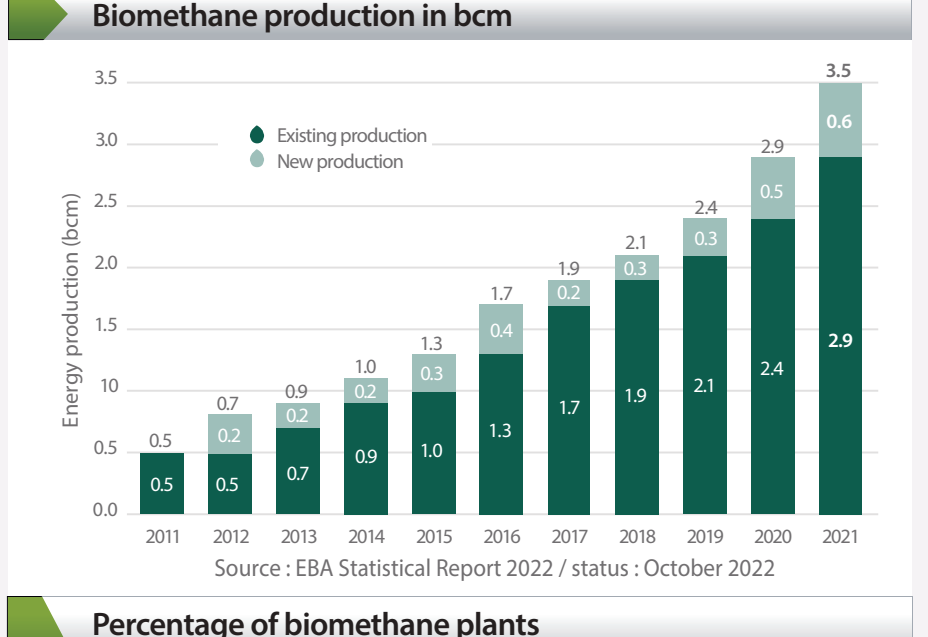
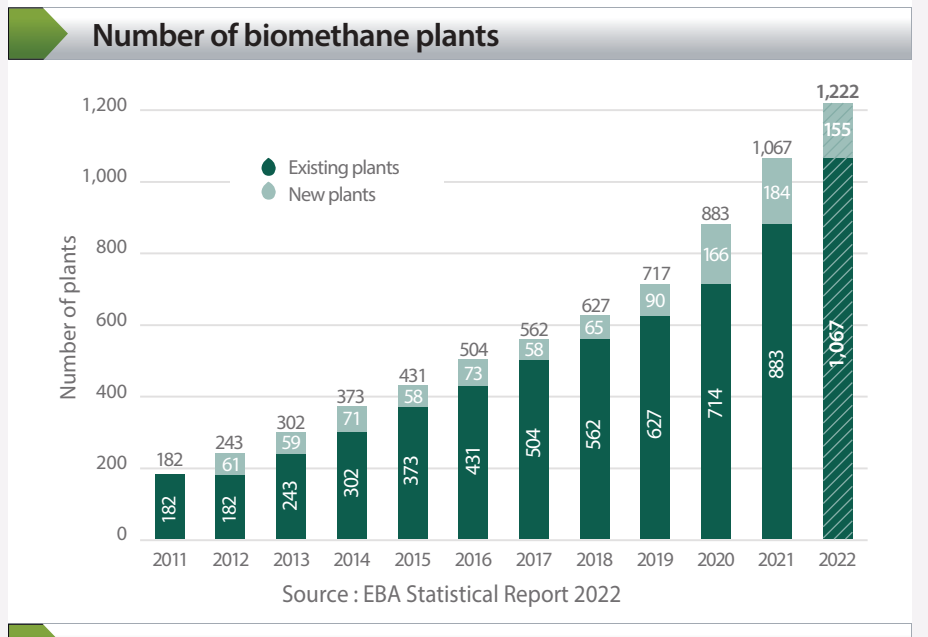
The European biomethane market

Europe reaches a total of 1,322 biomethane producing facilities by April 2023 (Figure 1). Of those, 1,174 plants were located by the EBA and displayed on this map. Compared to the previous editions of the European Biomethane map, the number of plants in Europe has steadily increased (483 plants in the 2018 edition, 729 in the 2020 edition and 1,023 in the 2023 edition).

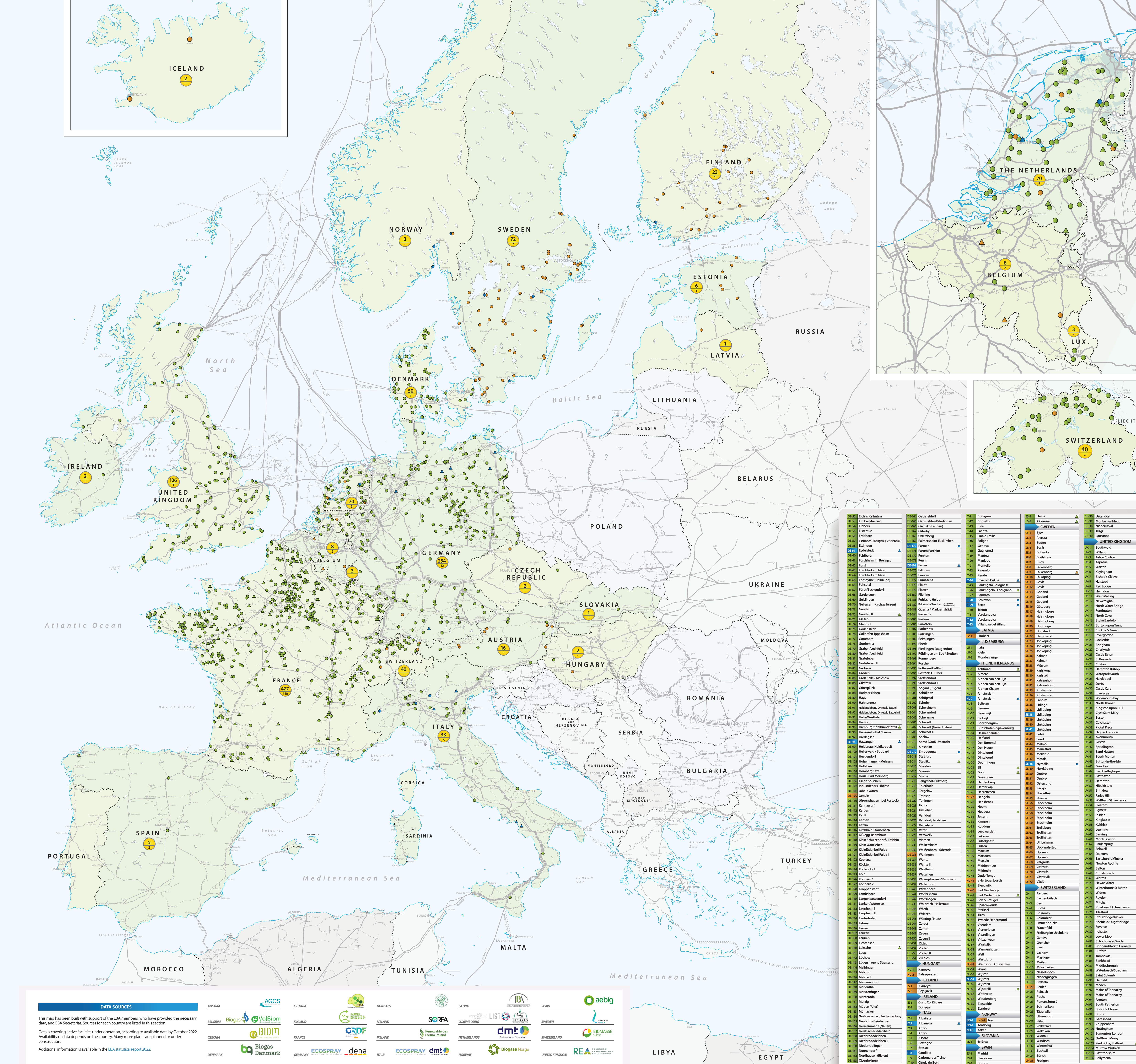
Biomethane production has enjoyed a remarkable growth in the last decade. Whereas 2022 figures are not yet fully consolidated, 2023 has seen the biggest increase in biomethane plants to date, reaching a total of approximately 253 new biomethane production in Europe, with an additional 0.6 bcm of biomethane production compared to 2022 (Figure 2). This represents a production increase rate of 20% in 2023 and for the year 2022 an even bigger increase is to be expected.

59% of the biomethane plants currently active in Europe are known to be connected to the distribution grid and 19% are known to be connected to the transport grid. 9% of European biomethane plants do not have a grid connection, and for the remaining 14% of Europe's plants no information is available to the EBA database (Figure 3).

Figures presented above and on the European Biomethane map were originated from the EBA database. A full elaboration of the biogas and biomethane markets can be found in the EBA Statistical Report 2022.



Country	Facility Number	Facility Name	Status
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DATA SOURCES

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CZECH REPUBLIC	Biogas	GERMANY	LIST	SWITZERLAND	Biogas
DENMARK	Biogas	HUNGARY	LIST	TUNISIA	Biogas
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