

# Biometano e Fit for 55

Biometano Day 2021

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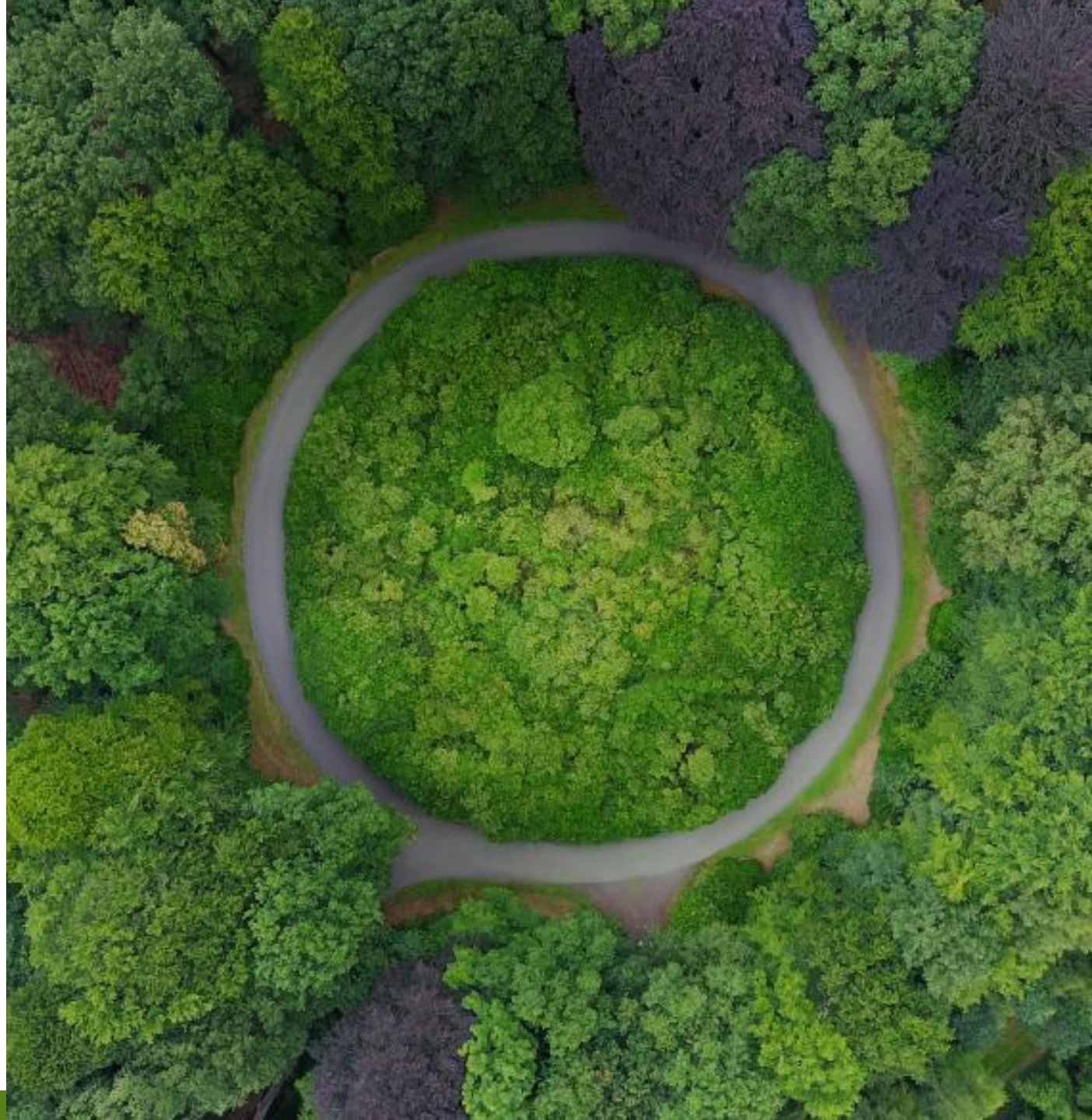




# What is Fit for 55?

'Fit for 55' is a **package of EU legislation the European Commission is preparing for June 2021** before the COP26 UN climate summit in Glasgow.

The objective of 'Fit for 55' is to adapt European laws to the new climate objective of **reaching a 55% of emissions reductions for 2030 as set by the EU Green Deal.**





# What is Fit for 55?



**EU law on energy and climate** is going to be revised as part of the package, including:

- Amendment of **Renewable Energy Directive** (RED).
- Reduction of **methane emissions** in the energy sector.
- **Clean mobility** (infrastructure for alternative fuels and CO2 standards for vehicles)
- Revision of **EU Emissions Trading System** EU ETS, including maritime sector.
- Revision of the **Third Energy Package for gas** to regulate competitive decarbonised gas markets



## Also in 2021...

The Commission will adopt a communication on the **Long-Term Vision for Rural Areas.**

This will be essential for the recognition of anaerobic digestion (AD), renewable bioenergy and nutrient reuse and recycle as crucial drivers of for sustainable development in rural areas and an efficient circular economy.

## Why is biomethane Fit for 55?

Biomethane can be **injected in the existing gas grid** and replace natural gas.

This way we replace a fossil fuel by a **renewable energy**.

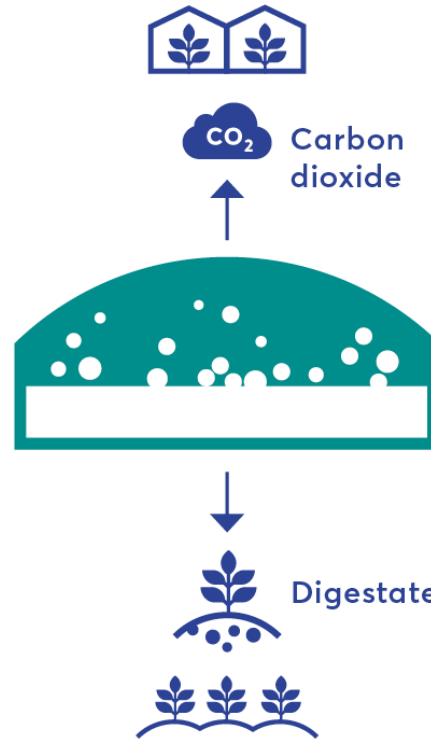
This will help the EU achieve **climate-neutrality by 2050**.



# Why is biomethane Fit for 55?

## INPUTS (FEEDSTOCK)

- Energy Crops 
- Plant by-products 
- Animal by-products 
- Biowaste from households 
- Industrial & commercial organic waste 



## OUTPUTS



Biofuel for transport



Biomethane injected in natural gas grid



Electricity



Heat



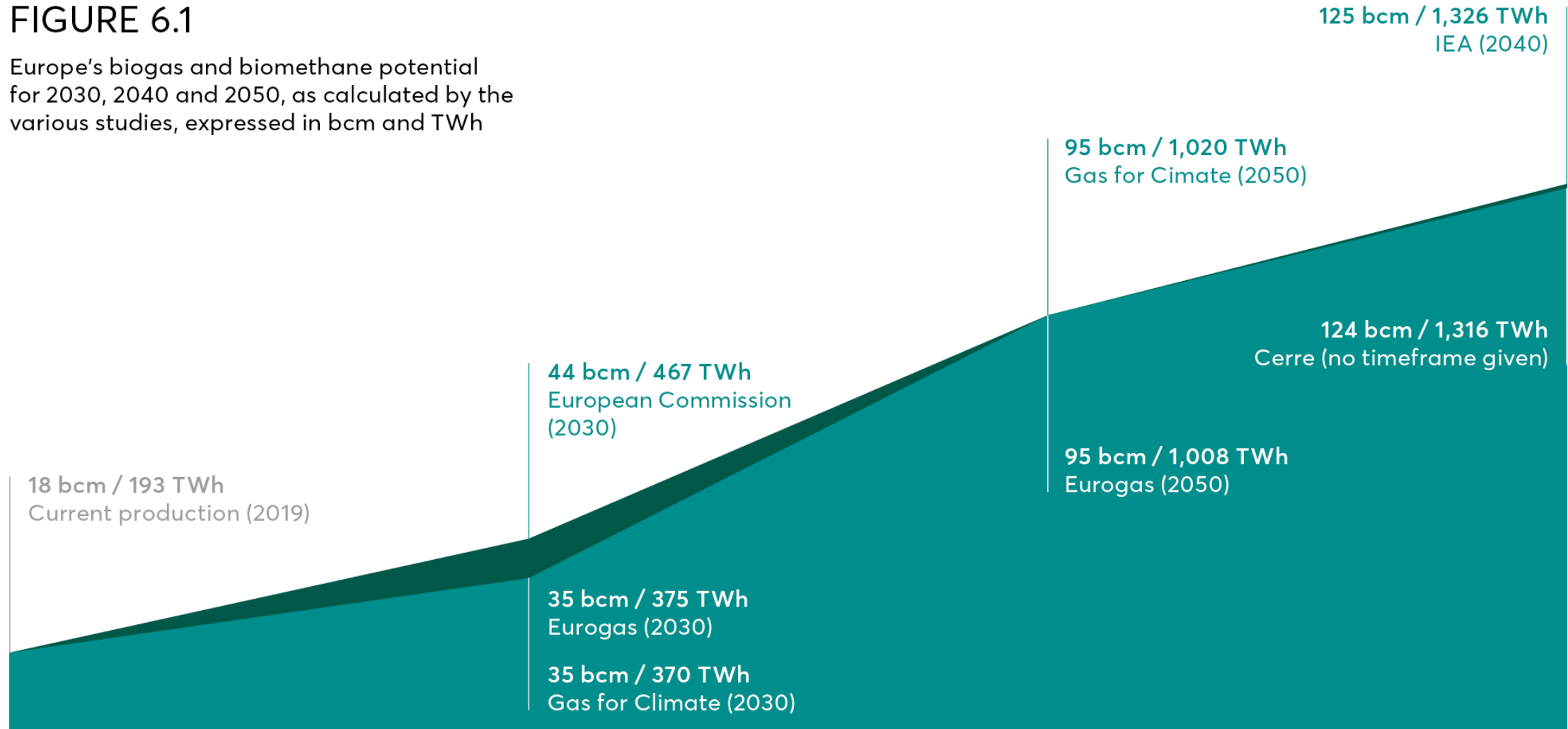
FIGURE 1

Schematic overview of inputs and outputs of the biogas and biomethane production process

# Why is biomethane Fit for 55?

FIGURE 6.1

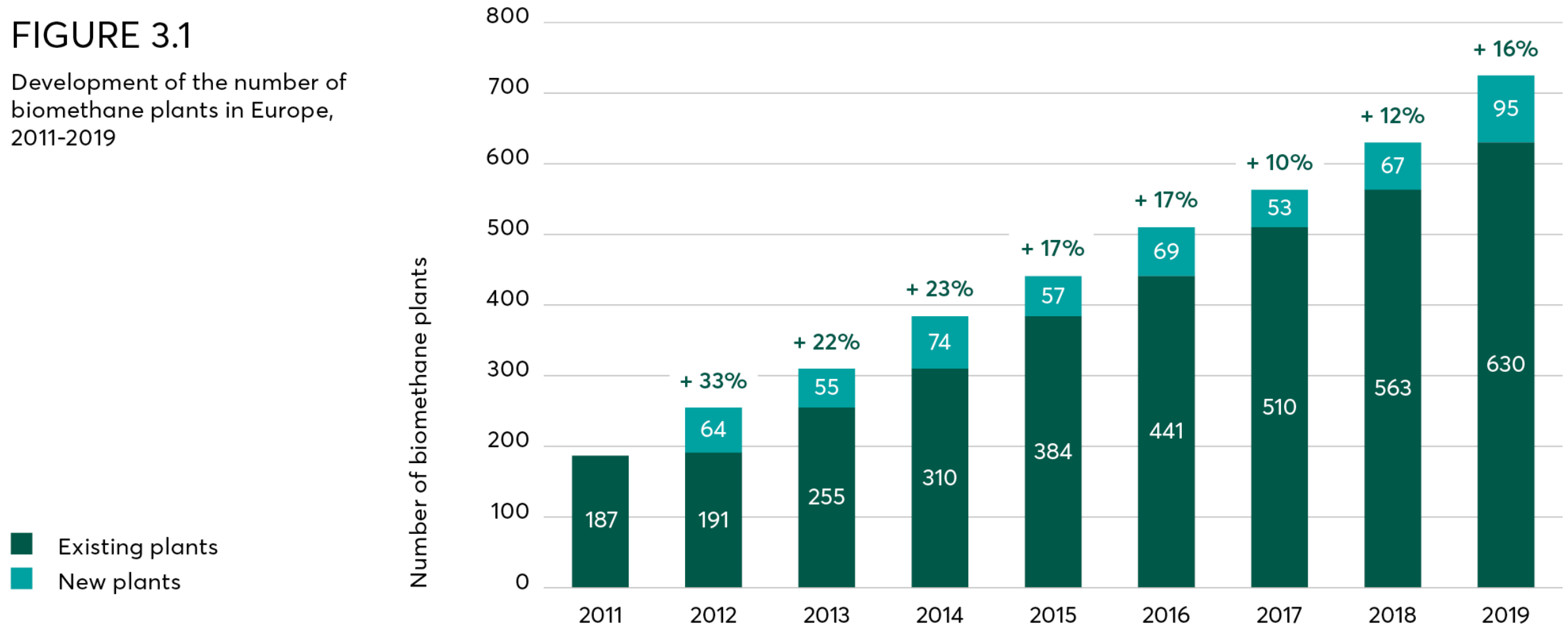
Europe's biogas and biomethane potential for 2030, 2040 and 2050, as calculated by the various studies, expressed in bcm and TWh



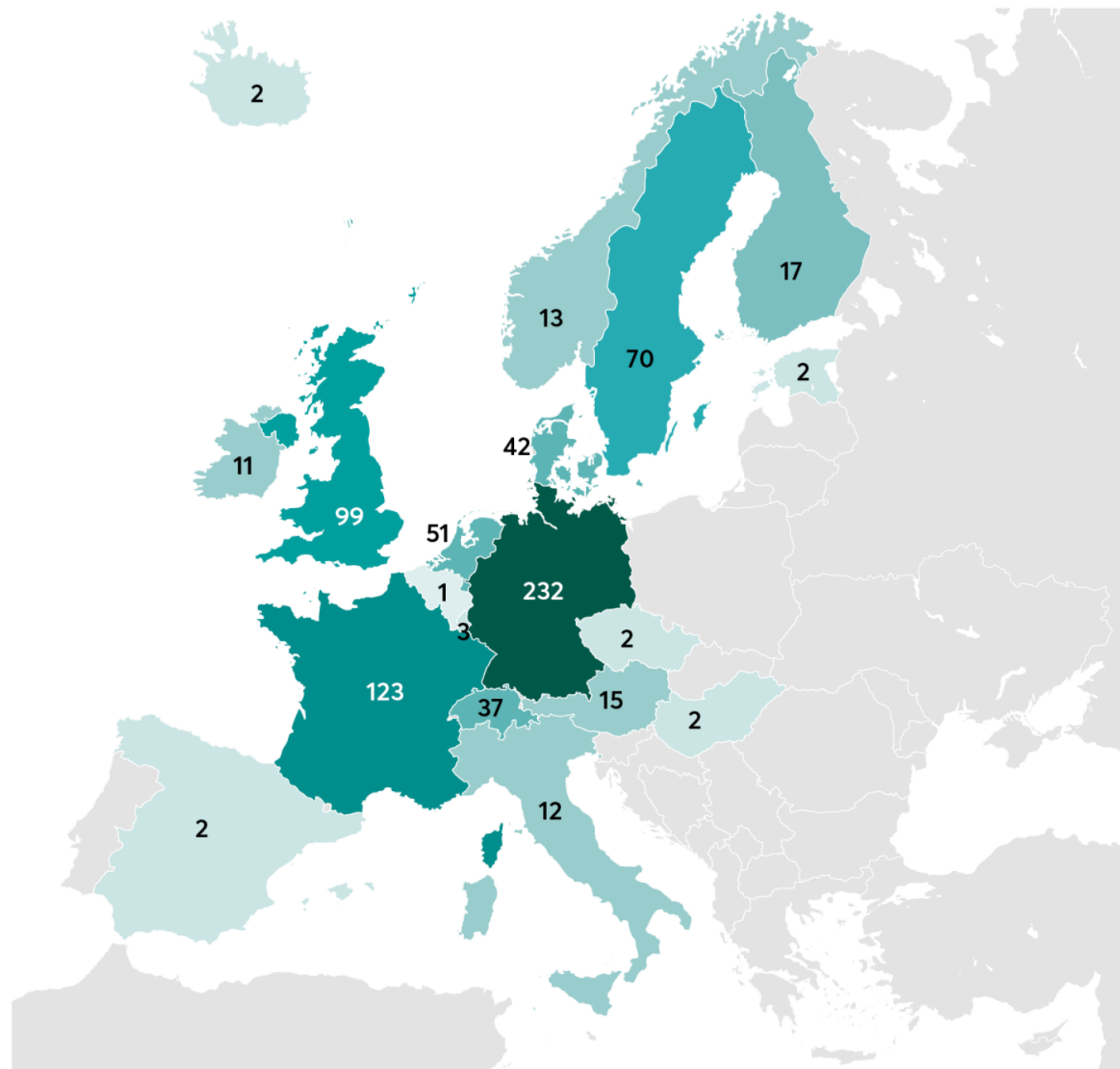
# Why is biomethane Fit for 55?

FIGURE 3.1

Development of the number of biomethane plants in Europe, 2011-2019







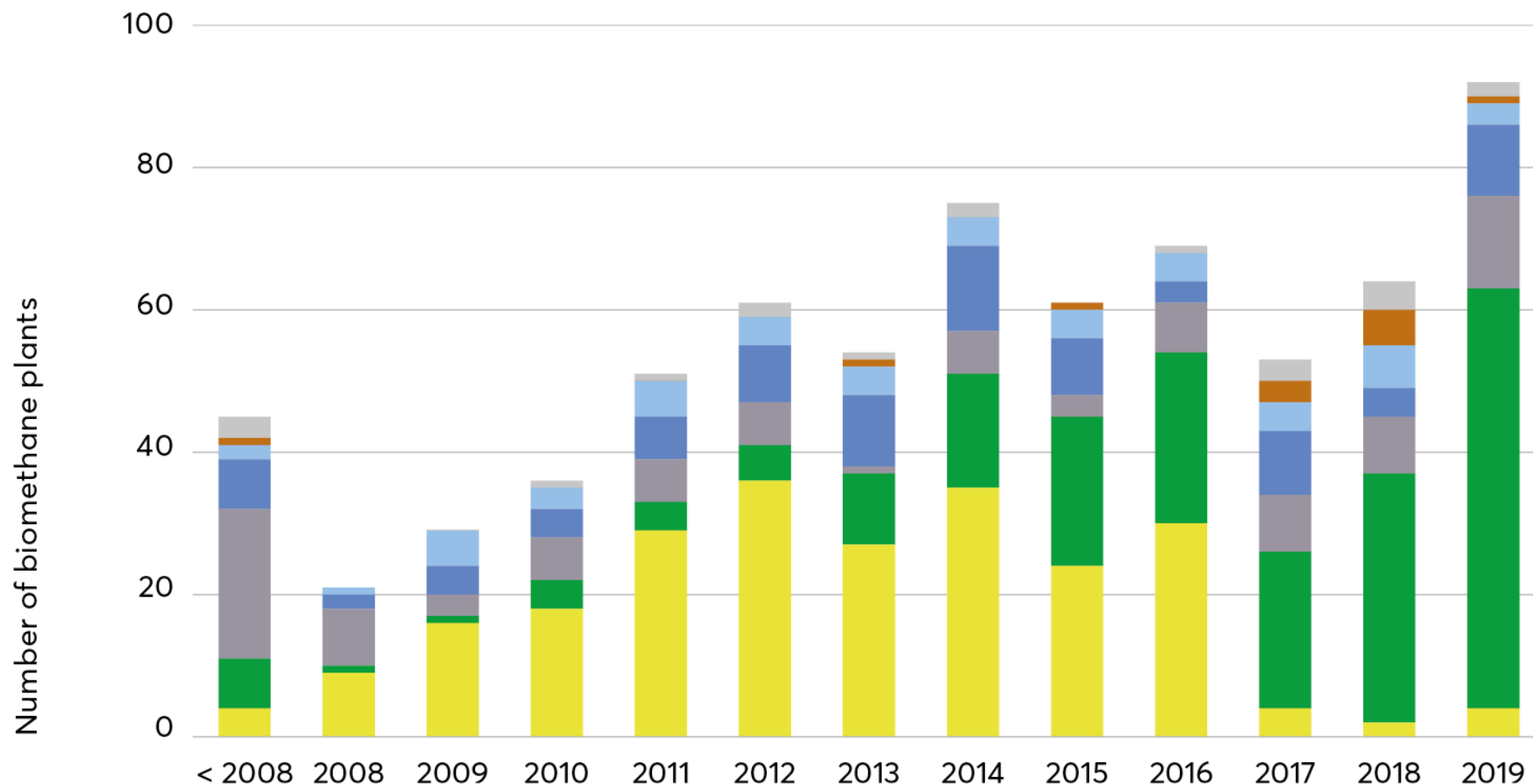
**FIGURE 3.4**

Total number of biomethane plants in European countries in 2019

# Why is biomethane Fit for 55?

FIGURE 3.16

Total number of newly installed biomethane plants each year, 2008-2019, overall and per main feedstock type



## EBA up to 2030

In the coming period until 2030, the EBA will focus on ensuring that a minimum uptake of biomethane capacity is being realized in Europe.

EBA will work to achieve **45 GW installed capacity of biomethane in Europe by 2030.**





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**Thank you!**

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