



The voice of renewable gas in Europe

**Biogas in Europe: *delivering 35  
bcm/year of renewable gas by 2030***

# Socio-economic impact of the biogas value-chain in Europe

2022:  
**220.000 jobs**



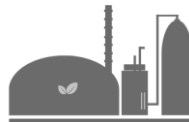
2030:  
**460.000 jobs**



2050:  
**1 Million jobs**



**20,000**  
Companies



**18,000**  
Plants



**5,75 bn €**  
Turnover



A solid **European** value chain



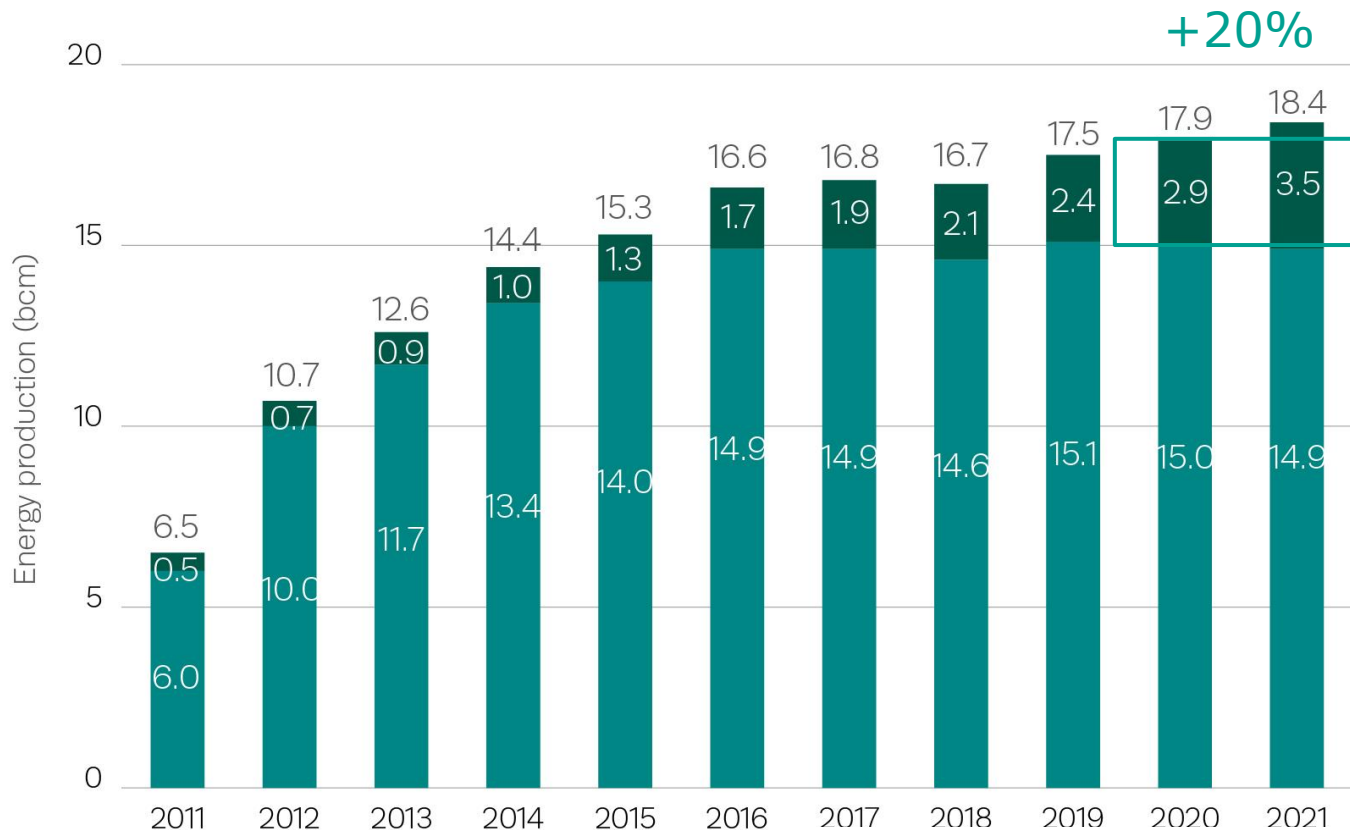
**Leadership** in Manufacturing tech



Contributing to EU economic **growth, rural development** and **climate change** mitigation efforts

# +18 bcm of biogases are being produced in Europe today

## Evolution of biogas and biomethane production (bcm)



Source: EBA Statistical Report 2022

- Energy from biomethane (bcm)
- Energy from biogas (bcm)



**18.4 bcm**

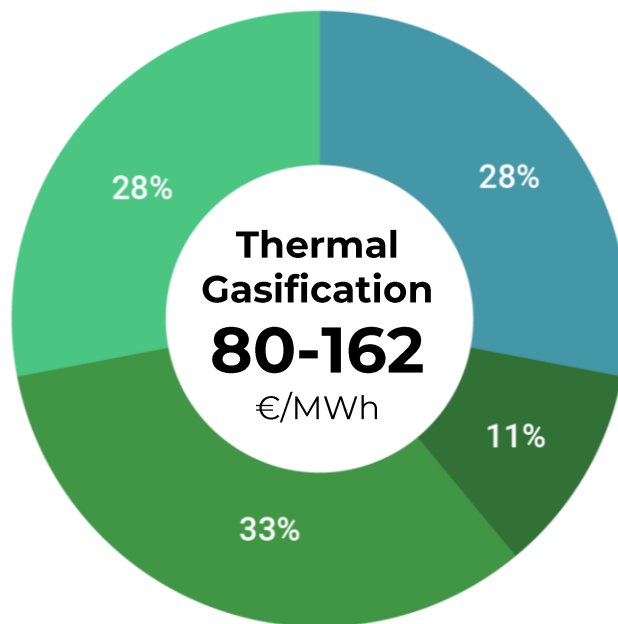
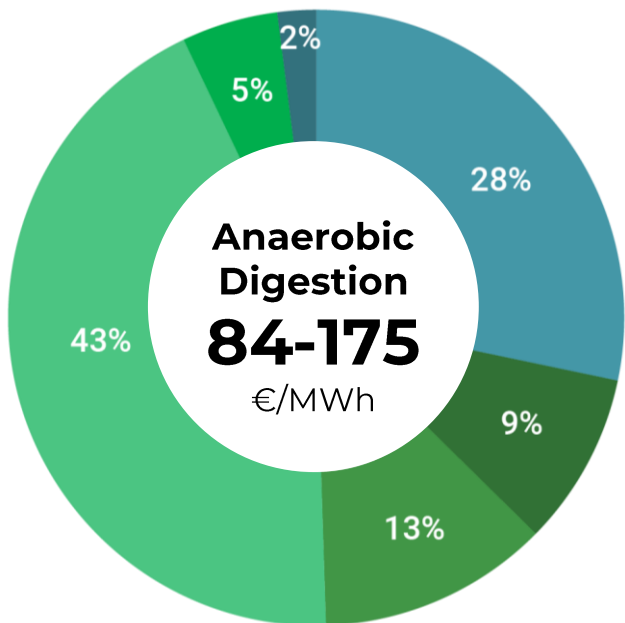
(196 TWh) of combined  
biomethane and biogas in  
Europe



Produced from:

- **18,843 biogas**  
plants in 2021
- **1,067**  
**biomethane**  
plants in 2021

# Value of benefits far outweighs production costs



- Job creation
- Energy security
- Greenhouse gas impact
- Organic waste processing
- Provision of biogenic CO<sub>2</sub>
- Replacement of synthetic fertilisers

1

**Environmental, economic and social benefits** beyond renewable energy provision

2

Value to European economy could be up to **€78 billion in 2030** increasing to **€283 billion in 2050** (EU + UK)

3

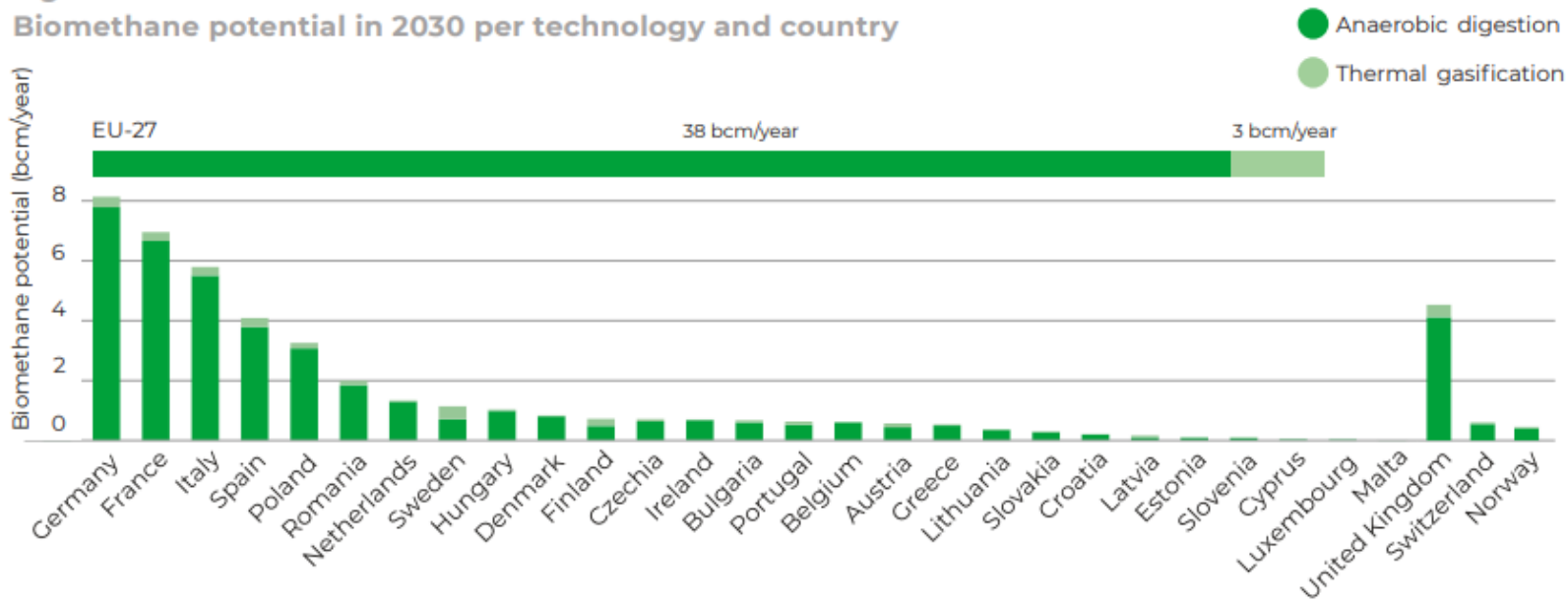
**Energy security, job creation and biogenic CO<sub>2</sub>** provide the greatest benefit with **> 80% share of total**

# The sector has the potential to deliver +35 bcm by 2030

## 2030 national biomethane potentials

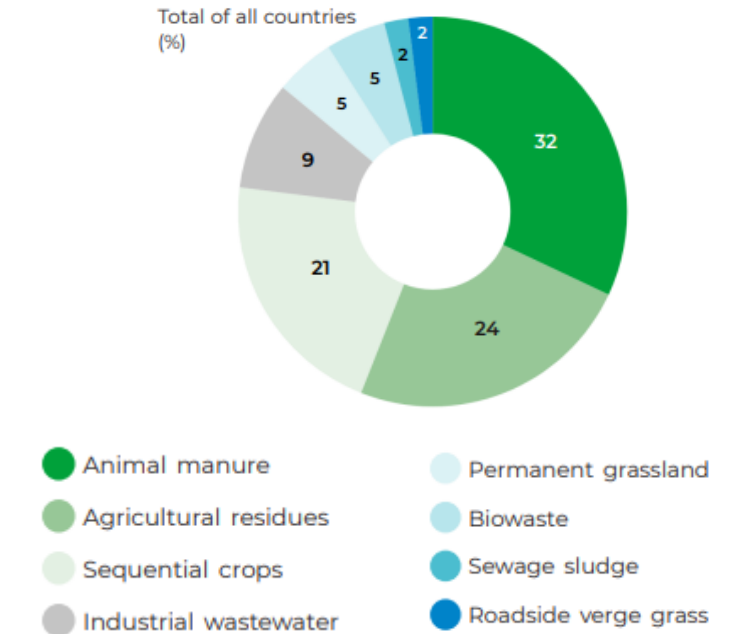
Europe could produce **41 bcm** (400 TWh) **of biomethane by 2030** from anaerobic digestion and gasification

**Figure 1.**  
Biomethane potential in 2030 per technology and country



Source: Gas for Climate 2022

## Feedstock potential (all countries)



Source: Gas for Climate 2022

# ...and a supportive legislative framework



## Focus on biomethane:

- Biomethane Action Plan including:
  - **Biomethane Industrial Partnership**
  - Specific target for biomethane deployment: **35 bcm by 2030**



**Objective:** measures facilitating the increase in production of biogas and boost its subsequent conversion into biomethane, respecting criteria agreed in the REDII.



### PLANNING

Anchoring the 35 bcm in legislation and making sure that there are solid trajectories and milestones to achieve the target



### MARKET

Ensuring easy market access, cutting away red tape and eliminating persisting internal market barriers



### FINANCE

Using dedicated and innovative finance instruments to mitigate risks and have the needed capital to roll out biomethane at scale



### SUSTAINABLE FEEDSTOCKS

Tap into sustainable resources such as waste, urban wastewater and sustainable crops



# EUROPEAN BIOMETHANE WEEK

**COUNTDOWN TO 2030:  
FROM TARGETS TO ACTION!**

24 to 26 October 2023, Brussels **FLAGSHIP EVENT**



**THANK YOU!**

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