

Biomethane deployment in the EU

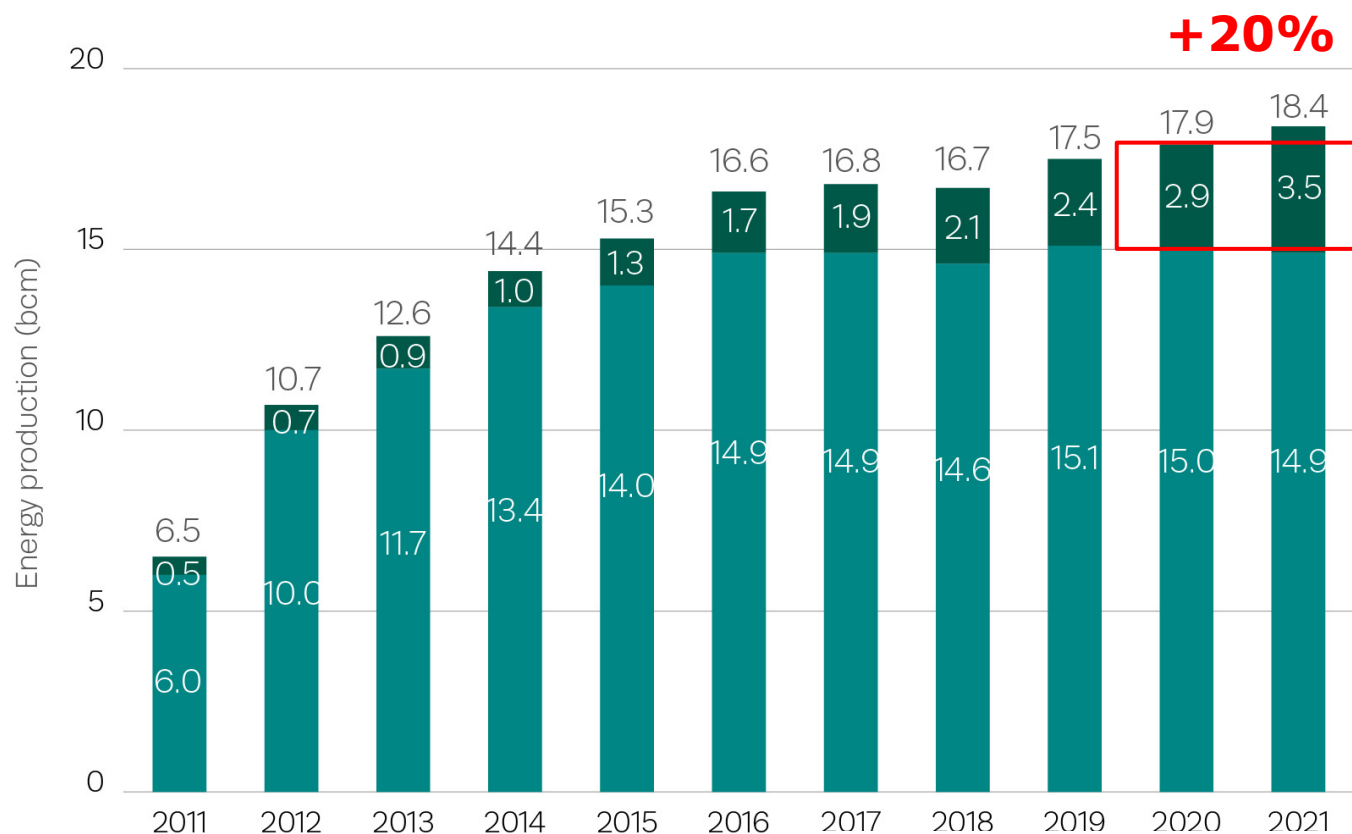
Regulatory drivers

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+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

...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

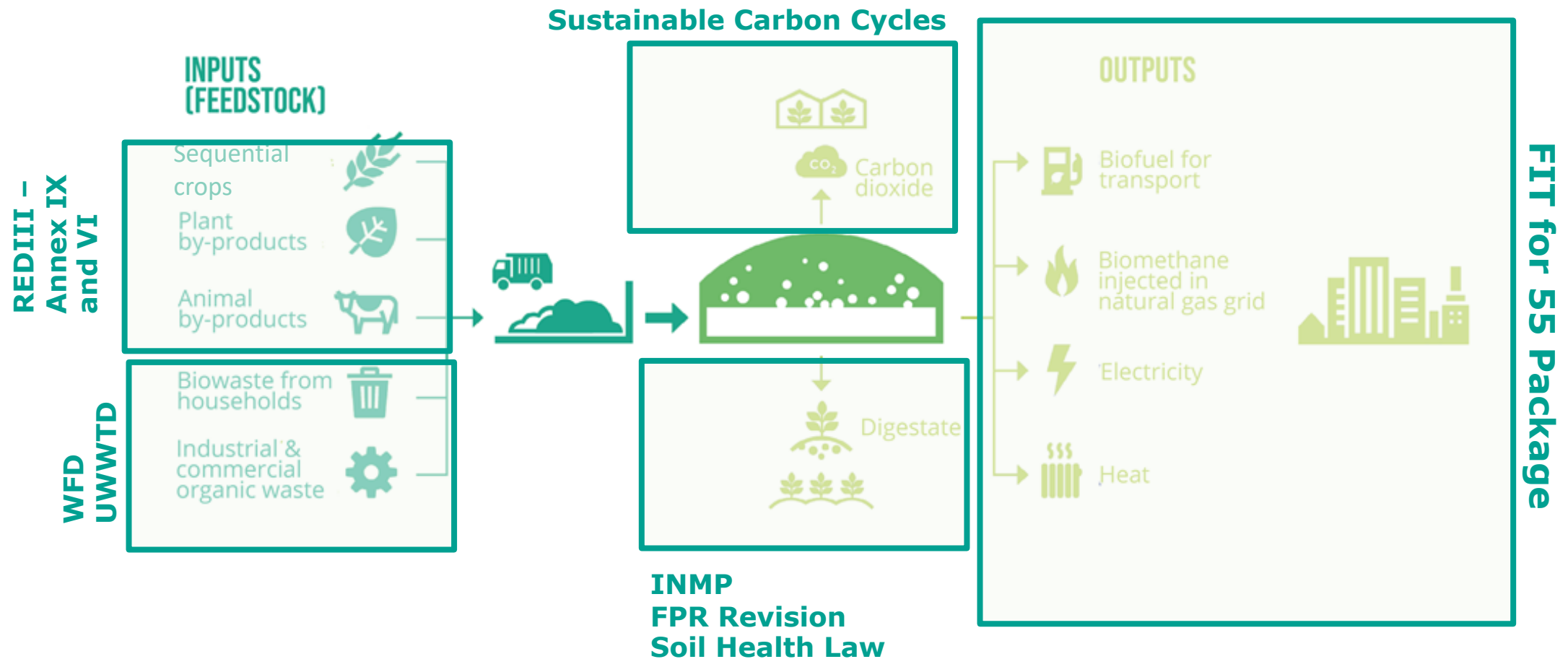
Using dedicated and innovative finance instruments to mitigate risks and have the needed capital to roll out biomethane at scale



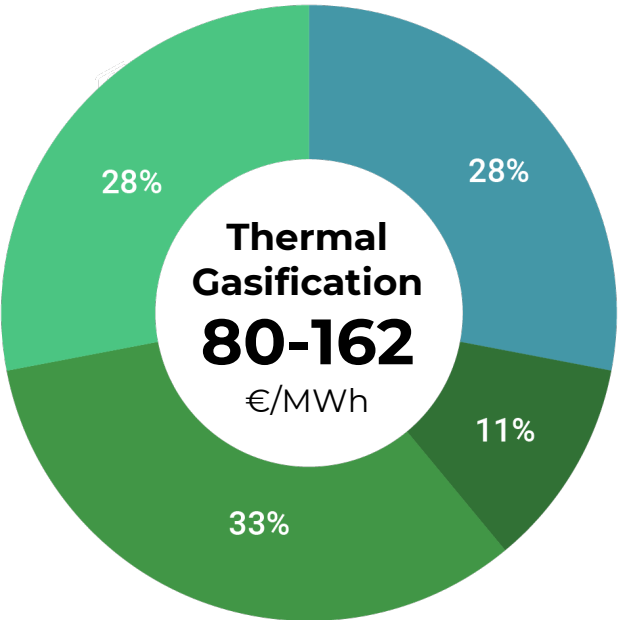
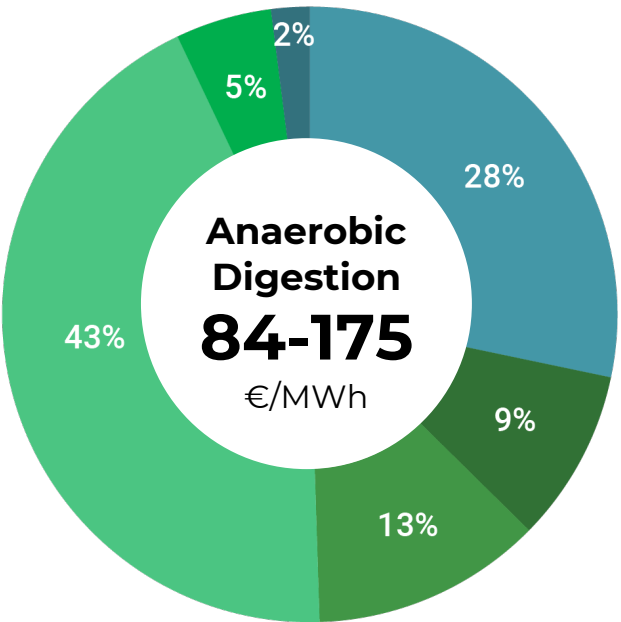
SUSTAINABLE FEEDSTOCKS

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

IMPACT OF UPCOMING LEGISLATION



Value of benefits far outweighs production costs



- Job creation
- Energy security
- Greenhouse gas impact
- Organic waste processing
- Provision of biogenic CO₂
- 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 CO₂ provide the greatest benefit with > 80% share of total

Source EBA report: Beyond Energy: monetizing biomethane's whole-system benefits (by Guidehouse)



EUROPEAN BIOMETHANE WEEK

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

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



THANK YOU!

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