

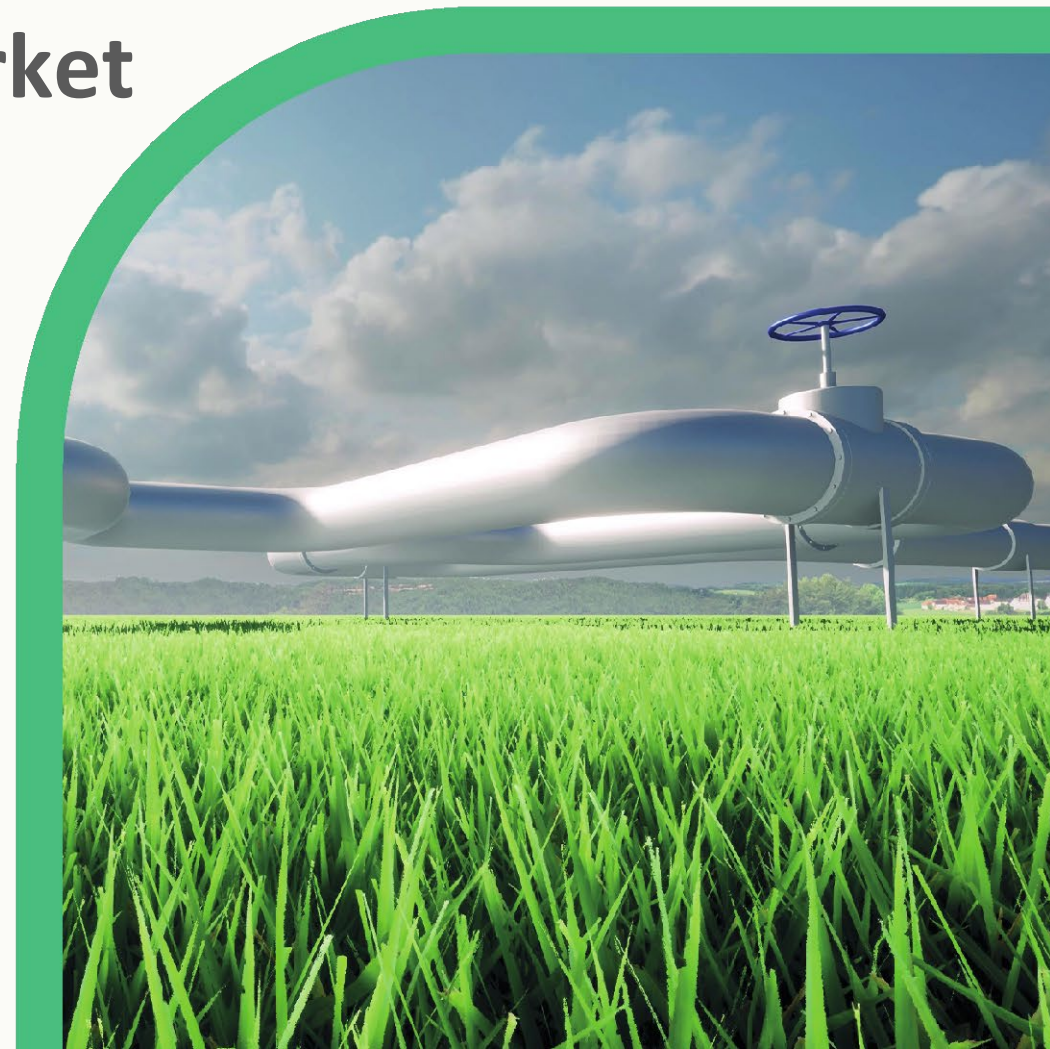
Good practices of biomethane market development in the 10 advanced countries in Europe

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GreenMeUp is a Horizon Europe project to facilitate the wider market uptake of biomethane in the EU



Fostering **biomethane production** in Member States with less-developed market rates



Increasing **social acceptance** and awareness through science-based evidence

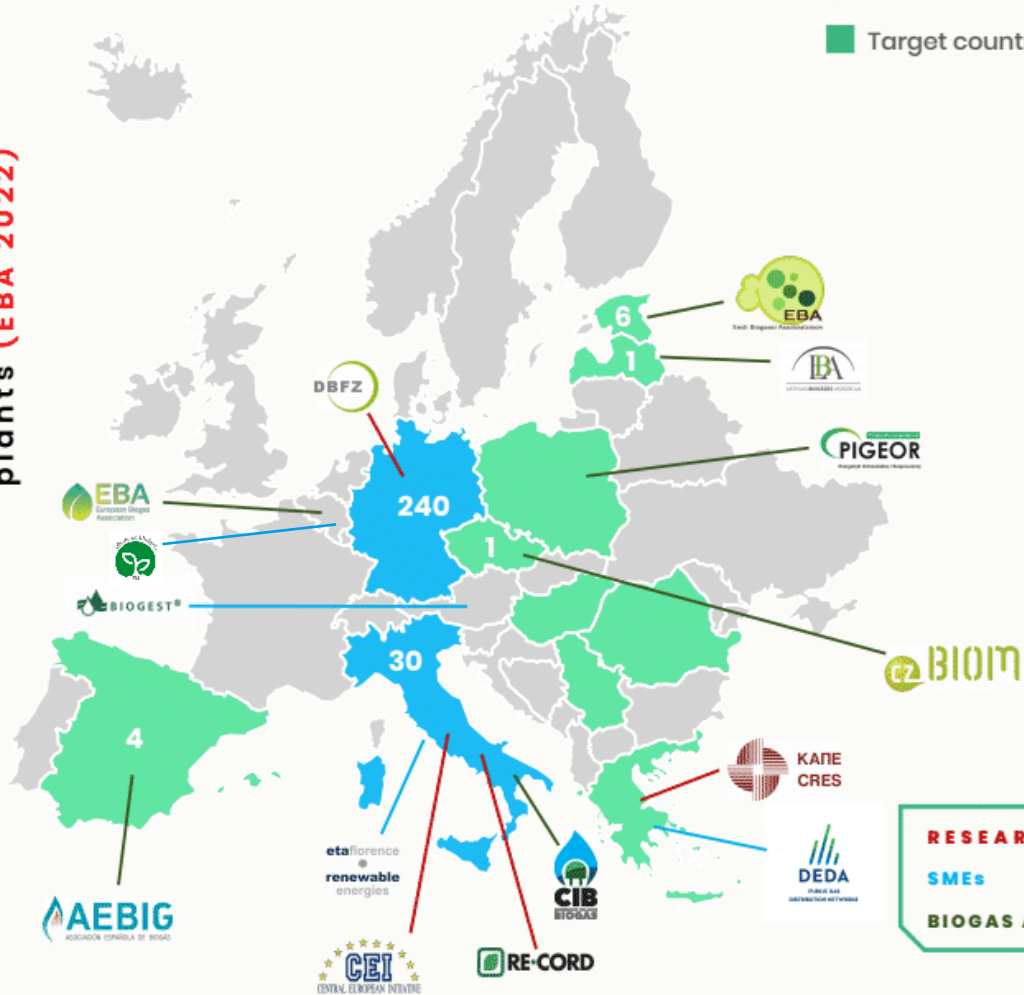


Designing a set of **market uptake** measures for biomethane deployment

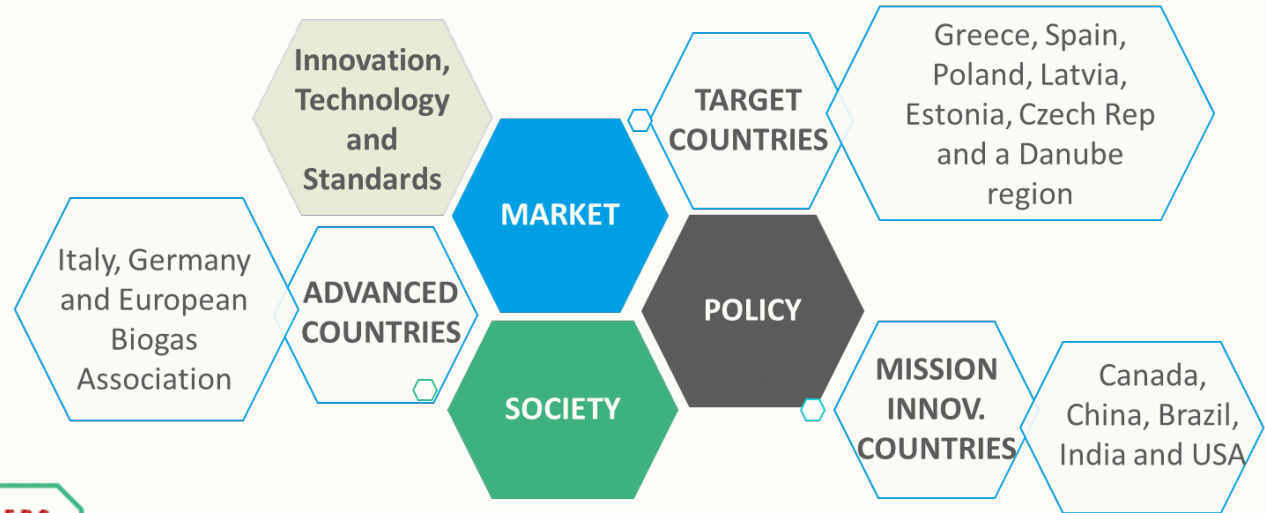
Consortium

Number of biomethane plants (EBA 2022)

- Advanced countries
- Target countries



Aligned in three pillars: **Market, Policy and Society** that run throughout **Geographic and country-relevant specificities in Europe and beyond** (Advanced and Target European countries, Mission Innovation countries), tackling also **innovation and standardization** issues.



- RESEARCH CENTERS
- SMEs
- BIOGAS ASSOCIATIONS



Good practices from the 10 advanced countries

Vision and targets

Direct investment and production support

- Feed-in Tariffs
- Feed-in Premiums
- Contract of Difference
- Investment subsidies

Indirect production support

- Regulatory incentives
- Financial incentives

Demand-side incentives

- Tax incentives
- Quota system
- Public procurement rules

Market access enabling regulation

- *Injection into networks*
 - Right to inject
 - Cost-sharing mechanism
 - Continuity of injection all-year round
- *Trade: GO or CoO system and registry*

A – Set an official stable vision for the sector’s development

- Create a strategy or an action plan on biogas and biomethane (like Norway).
- Set a binding renewable gas target in the law (France) and, where hydrogen is predominant in public policy, add at least an indicative target for biomethane development on medium term (France).
- Clearly identify biomethane in the NECPs and their underlying scenario (Climate and Energy Plan towards 2030) (Denmark, Austria).

Direct investment and production support

B – Trigger a quick start through direct support

- Open-access feed-in tariff for biomethane production and injection is the most effective means to launch a market in the first years (Denmark, France, UK)
- It can switch to an auction-based system once the industry is mature enough to incentivize cost-effectiveness and keep public spending under control (Netherlands).

Indirect production support

C – Improve the business case of producers through indirect support

- Removing barriers to digestate marketing in the fertilizer market (i.e through government-launched quality assurance scheme in Sweden).

Market access enabling regulation

D – Enable grid injection and market recognition as soon as possible

- Create a right to inject for project developers, whether they are in a gas-served area or not (France, Netherlands).
- Implement a cost-sharing mechanism for grid connection CAPEX (France).
- Create a Guarantees of Origin system that will enable green premium recognition (Netherlands, Austria).

Demand-side incentives

E – Give strong demand signals

- Tax exemption or reduction are effective market signals towards end-consumers (Sweden, Norway, Switzerland).
- Mandatory target of advanced biofuels and biomethane or a GHG reduction obligation are also effective towards motor fuel suppliers (Germany, Norway).

Shortcomings in policymaking

Leveraging national programs of the Common Agricultural Policy

- No use of the CAP 2014-2022 was reported
- Funding streams under the new national CAP programs not investigated

Indirect support through agriculture, waste, wastewater sectors

Permitting issues

- 9/10 countries: long permitting time is an issue
- No significant good practices reported

GREENMEUP

Thank you!

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