EBA
European Biogas Association

EBA UPDATE

REA Biogas Group - May 2022

The voice of renewable gas in Europe

Priority topic – Advocacy team

CO_2 standards. Tailpipe emissions calculations discriminate against biomethane in transport.

Access to green finance.
New Resilience and Recovery Facility? EIB etc.

Circular Economy - Nutrient Action Plan

Energy prices. The EBA continues to advocate to major policymakers that the deployment of biogas can strengthen energy security and improve the availability of nutrients for farmers.

‘Fit-for-55 Package’ – 55% reduction in GHG emissions by 2030
‘EU framework to decarbonise gas markets’ – launched late 2021 to facilitate access to gas markets and infrastructure
‘REPowerEU’ – Proposals to decouple from Russian fossil fuels published March 2022

REPowerEU : From a Communication to the Action Plan

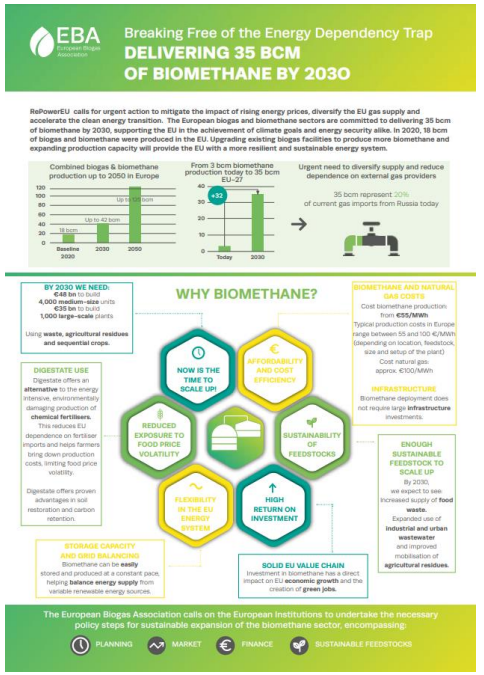
- PLAN FOR RAPID EXPANSION OF BIOMETHANE CAPACITY
- PROMOTE EASY MARKET ACCESS
- FINANCE
- SUSTAINABLE FEEDSTOCK MOBILISATION

Targeted RED Revision?

Biomethane Action Plan?

RFF-based guarantee fund?

Draft Annex IX



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Guidehouse
Outwit *Complexity*

Monetization of positive externalities

Monetization of positive externalities in the biomethane value chain

14 March 2022

Project reference #: 220635

Illustrative list of positive externalities*

Greenhouse gas reduction
Biogas typically achieves >80% emission reduction vs. fossil fuels (and can achieve >200% under specific conditions)

Provision of biogenic CO_2
Biogenic CO_2 from biogas upgrading process can be captured and utilised or stored

Reduction in fugitive emissions
Use of manure for biogas production reduces fugitive methane emissions in agriculture (similar benefits from other organic waste streams)

Bio-waste processing
Anaerobic digestion provides an efficient waste treatment option for animal manure, sewage sludge, food waste and industrial wastewaters

Replacement of synthetic fertilisers
Digestate (by-product of biogas production) can be applied to agricultural land as an alternative to synthetic fertiliser

Reduction in pollution
If wastes are treated via anaerobic digestion vs. other treatment/disposal options then this can result in a reduction of (water, soil, air) pollution

Benefits to soil
Application of the *Biogasdoneright* approach can lead to an improvement in soil carbon, soil quality, soil health and soil fertility, and reduction in soil erosion

Benefits to on-farm biodiversity
Coverage of land that would otherwise remain fallow can create positive effects for biodiversity as animals are more able to take refuge on covered land compared to fallow land

Reduction in water usage
Digestate application using drip-feeding systems can be used for water efficient irrigation during summertime, limiting overall water use

Icons source: NounProject

* Note that some of the externalities presented above are applicable to all biogas feedstocks, while others are applicable to selected feedstocks.

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Knowledge and expertise from our members – EBA working groups

Biomethane in transport

Handling general transport topics in relation to the increase of biomethane in transport.

Bio-LNG & Maritime

Focusing on the growing need for Bio-LNG for transport and HDV and related policy topics.

Digestate and Fertilisers

Dealing with the use of digestate and nutrient recovery.

Gasification

Focusing on gasification and its contribution to the total biomethane potential in Europe.

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Knowledge and expertise from our members – EBA working groups

Agriculture

Developing a common understanding of how renewable gasses from agricultural biomass can bring real benefits to the climate and environment.

Wastewater

Focusing on broader implementation of AD in wastewater and applications for sludge.

Biogas market design

Focusing on understanding how different supportive market mechanism work together in realizing biogas and biomethane investments as well as which combinations of mechanism are most successful in achieving significant development of renewable gases.

Biogenic CO2 valorisation

Focusing on the valorisation of the CO2 stream resulting from anaerobic digestion and gasification of biomass. It works both on technical and policy matters with the aim of promoting the benefits of bio-CCU and bio-CCS towards European policymakers and influencing relevant legislative reforms.

Bio-Hydrogen

Focusing on supporting bio-hydrogen derived from biogas or gasification and obtained from sustainable biomass. The WG works both on technical and policy matters, promoting specifically a level playing field for all sources of green hydrogen and the further uptake of bio-hydrogen from sustainable biomass within Europe.

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European Biogas Conference 2022

WE ARE ORGANIZING THE 10TH EDITION OF THE EUROPEAN BIOGAS CONFERENCE IN BRUSSELS!

EBA 2022

EUROPEAN BIOGAS CONFERENCE

25 — 26 OCTOBER 2022

- What is the role of our sector in the future energy system?
- Are there enough feedstocks for sustainable biomethane?
- How can we accelerate the investment in the biomethane?
- What bottlenecks can be quickly addressed?

Frans Timmermans, Vice-President of the European Commission, will speak at the event

SPONSORSHIP OPPORTUNITIES OPEN!

https://www.europeanbiogas.eu/european-biogas-conference-2022/

EBA Awards 2022 Applications open!

- Biogas groundbreaker
- Women leading the way to climate-neutrality
- Top Biogas Young Talent