International Newsletter #7
April 2026

BIOMETHAVERSE (**Demonstrating and Connecting Production Innovations in the Biomethane Universe**) sets out to **diversify the technology basis for biomethane production** in Europe, increase its cost-effectiveness and contribute to the uptake of biomethane technologies.
To this aim, **8 innovative biomethane production pathways** will be demonstrated in five European countries: **France, Greece, Italy, Sweden and Ukraine**.

News from the biomethane universe

Find out what is tending in the biomethane, biogas and renewable energy sector

European industries release urgent call for EU leaders for fast biomethane rollout as a driver of competitiveness, energy security and defossilisation

The signatories of the **Joint Biomethane Declaration**, leading European industry associations, are calling for biomethane to become a central building block of the EU's reindustrialisation, energy security, and transition to climate neutrality. The Declaration sends a clear signal of strong industrial demand for biomethane, which is essential to keeping EU industry competitive while enabling defossilisation and advancing circular production processes.

European industry is under mounting pressure from high energy prices and rising carbon costs, with some sectors already facing production cuts and closures. With 22 bcm of combined biogas and biomethane produced in Europe today, sustainable biomethane offers immediate, scalable relief, integrating seamlessly into existing energy systems and gas infrastructure. Additionally, around 25 Mt of digestate are already produced annually in Europe from biogas production and upgrading processes and can replace imported fossil fertilisers. Likewise, the sector already captures 1.7 Mt of bio-CO_2, equivalent to around 14% of Europe's merchant liquid and solid CO_2 demand.

Read the full declaration here

Grid Ready Forum 2026: 60 experts formulate key recommendations to fast-track action on biomethane grid injection across Europe

A high-level group of EU policymakers, national regulators, grid operators and industry representatives gathered today behind closed doors in a meeting hosted by the European Biogas Association to address the bottlenecks holding back biomethane deployment. Participants from multiple EU countries flagged persistent regulatory fragmentation and technical barriers that continue to hinder the injection of renewable gas into Europe's energy system.

The discussions come at a critical moment for the implementation of the EU Gas Package, calling on Member States to establish a right to injection for all into existing gas grids for all renewable gas producers. With the transposition deadline set for 5 August, several EU countries are expected to delay or fail short on biomethane-related provisions.
The Forum concluded with a set of recommendations aimed at breaking existing bottlenecks to facilitate grid injection as one of the necessary steps to accelerate the rollout out biomethane.

Press Release
Conclusions from the Grid Ready Forum 2026 available here

Pills from the project

Discover project activities and insights coming from BIOMETHAVERSE's research team

BIOMETHAVERSE showcased at CINEA's clustering workshop on renewable fuels

On 17 March 2026, BIOMETHAVERSE was presented by Stefano Proietti (SINNOVA) at the Horizon Europe clustering workshop on aviation, maritime fuels and biomethane projects, organised by CINEA in Brussels.
The event gathered more than 30 EU-funded projects working on advanced biofuels and renewable fuels for transport, offering a platform to exchange knowledge, discuss technical challenges and strengthen collaboration across the European research community.

Read More

The BIOMETHAVERSE Biomethane Planning Decision Guide is out!

BIOMETHAVERSE has released its new Biomethane Planning Decision Guide, a practical resource designed to support project developers, investors and plant operators in assessing the feasibility, scalability and long-term viability of innovative biomethane and e-methane solutions. The guide brings together technical, market, policy, commercial and social considerations to help bridge the gap between pilot innovation and market uptake.
Building on the experience of the project's five demonstration pathways in France, Greece, Italy, Sweden, and Ukraine, the guide highlights how renewable methane production can be enhanced through upgrading and methanation routes that combine biogenic CO_2 streams with renewable power and green hydrogen. Read More

BIOMETHANE PLANNING DECISION GUIDE

Meet BIOMAPE, a new Horizon Europe project advancing biomethane in Europe

A new Horizon Europe project is joining the effort to scale up biomethane in Europe! BIOMAPE (*Biomethane Market Acceleration and Uptake in Europe*), coordinated by SINNOVA, has officially launched with the ambition of accelerating biomethane production and use across Europe. By addressing policy, market, technical and social aspects, the project will help create the conditions for a stronger and more integrated biomethane sector.

Find out more at www.biomape.eu

Flashes from our Demos/Countries

Updates from our pilot demonstration sites, where innovations in the biomethane universe happen!

In-Situ and Ex-Situ Electro-methanogenesis (EMG) in France

Within the Biomethaverse project, testing activities on the electromethanogenesis pilot are currently ongoing. The single-chamber system has experienced several technical failures, resulting in extended shutdowns. These stops were required to investigate the root causes of the issues and to define appropriate repair strategies.
As a consequence, the 1 chamber reactor will be opened, providing a valuable opportunity to directly assess the condition of the electrodes and to establish visual and microbiological reference points, including analyses of microbial communities and biofilm development.
Read More

Ex-Situ Biological Methanation (EBM) in Italy

The integration of innovative technologies into wastewater treatment plants (WWTPs) drives the transition toward circular economy and renewable energy production. Recent milestones from the Italian pilot-scale operations highlight significant progress in sludge pretreatment, gas upgrading and microalgae-based co-digestion. The sonolysis pilot plant demonstrated robust performance during a continuous run from September to December 2025, providing crucial data at higher net ozone dosages (25-45 gO$_3$/gVS). Results confirmed that the process does not adversely affect the anaerobic digestion biomass, as the hydrolytic (SHA), the acetogenic (SAA) and the methanogenic (SMA) activities remained stable.
Read More

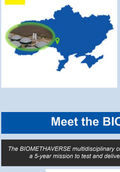
Ex-Situ Thermochemical/catalytic Methanation (ETM) in Greece

Greek ETM Demo: From Container Fit-Out to Imminent Start-Up
Over the past months, the Greek ETM demo at BLAG has progressed from design consolidation to a nearly fully assembled pilot unit, with all major equipment now procured, organized, and installed on site. Optimization of the initial reactor designs was implemented, driven by updated safety requirements and constraints related to integration with the BLAG plant interface. The three fixed-bed reactors have been fully manufactured, with only a limited set of tailor-made secondary components still pending delivery prior to full mechanical completion.
Read More

Ex-Situ Syngas Biological Methanation (ESB) in Sweden

Methanation tests have now started at the new pilot site at *More Biogas*. In 2025, our project partner Corbax AB declared bankruptcy, which resulted in the immediate stop of syngas production on-site in Högsrås. This development led to a complete shutdown of our operations for syngas biomethanation using trickle-bed reactors as the facility was entirely dependent on this supply.
Following this disruption, efforts were initiated to identify alternative pathways for biomethane production and utilization of the existing pilot facilities. As a result, approval was granted to relocate the pilot plant to Kalmar, which is now completed.
Read More

In-Situ Biological Methanation (IBM) in Ukraine



The Ukrainian biomethane industry has moved from conceptual foundations to real results in recent years. After the adoption of the law on the development of biomethane production in 2021, the first plants appeared, and by the end of 2024, Ukraine produced the first million cubic meters of biomethane. Read More
Biomethane for sugar production
The Ukrainian agricultural holding "Hals Agro" is the first in Ukraine to use its own biomethane instead of natural gas for sugar production. This was announced by Serhiy Kravchuk, CEO of the "Hals Agro" at the Forbes Agro 2026 conference. Read More

Meet the BIOMETHAVERSE Team

The BIOMETHAVERSE multidisciplinary consortium includes 22 partners form 9 European Countries on a 5-year mission to test and deliver market-ready innovations in biomethane production.

Follow #Biomethaverse

Copyright © 2023 BIOMETHAVERSE Project

BIOMETHAVERSE is Co-Funded by the European Union.

Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

Our mailing address is: [redacted]

Want to change how you receive these emails?
You can update your preferences or unsubscribe from this list.