

Activity Report 2025



#MakingBiogasHappen





























Global Biogas 2025

POTENTIAL

25%

Current global gas demand that could be met by biomethane, using readily available, sustainable feedstocks alone (IEA).

AMBITION

105bn

Readily available organic wastes globally that could be recycled into biogas, biofertiliser and other bioresources.

DELIVERY

11%

Reduction in global greenhouse gas emissions, one of 'the fastest and most economic ways' to keep 1.5°C Paris Agreement target alive (CCAC).

About WBA

The World Biogas Association (WBA) is the voice of the global biogas industry, representing the full industry value chain. The primary goal of WBA is to add value to the sector by creating the enabling environment for development, opening new markets and driving demand for our industry's outputs.

WBA represents the largest global network of expertise in the biogas sector, a membership organisation of more than 3,500 members through ~100+ paid corporate memberships. WBA members represent national and regional biogas trade associations and global companies, government organisations and municipalities across six continents.

WBA plays a strategic role in developing biogas frameworks within global governance organisations. (see Global Representation).

Our Vision

To power a cleaner, healthier and more prosperous planet through innovation in biogases, biofertilisers and renewable bioresources.

Our Mission

To develop the circular economy of organic wastes, a system where materials never become waste, pollution is prevented, nature is regenerated and carbon footprints are reduced.

Our Key Activities

POLICY & ADVOCACY LEADERSHIP



To advocate for biogas as a critical part of the solution to current and future energy and environmental challenges.

SAFETY & BUSINESS IMPROVEMENT



To support safe, efficient and responsible business practice and development.

MARKET DEVELOPMENT



To partner with national, regional and local governments to design actionable, measurable pathways for AD adoption.

COMMUNICATIONS



To effectively communicate the benefits of biogases, biofertilisers and other bioresources, internally and externally.

Accelerating Global Opportunities for Biogas



Welcome to our 2025 annual activity report. This year marks the second year of our **#MakingBiogasHappen** campaign. The importance of this programme is more relevant than ever in a volatile world,

addressing pressing energy and environmental challenges. As this report details, we have enjoyed major successes across all our key activity areas this past year.

Around the world, policy momentum, technological progress and rising climate ambitions are converging to position biogases (biogas, biomethane, bio-LNG/CNG and bio-CO₂), biofertilisers and other bioresources as central pillars of the clean energy transition.

At the Brasilia pre-COP30 meeting on Sustainable Fuels in October, Brazil, Japan, India – the founding country of the Global Biofuels Alliance – and Italy issued a pledge to quadruple sustainable biofuel use by 2035 (compared with 2024 levels) and called on other countries to sign the pledge.

This first ever Sustainable Fuels Pledge was presented at the COP30 Leaders' Summit, attended by Heads of State and government representatives from around the world. As founding members of the Global Biofuels Alliance and member of the Biofuture Industry Council of the Clean Energy Ministerial, WBA will ensure the biogas sector is visible and represented at the highest level in pursuit of this pledge.

The Pledge endorses The International Energy Agency's latest report *Delivering Sustainable Fuels; Pathways to 2035,* which concluded that if fully legislated and implemented, current and proposed national and international policies would put the use of sustainable liquid and gaseous fuels on a path to nearly double from 2024 levels by 2030 and quadruple by 2035.

This builds on the IEA's *Outlook for Biogas and Biomethane* report showing that the sector could meet up to 25% of today's global gas demand using sustainable feedstocks alone. If crops and residues from regenerative farming are included, the potential rises even further – confirming biogas as both a climate and resource–efficiency solution.

Even where efforts have been made to apply the brakes, the underlying momentum for our sector remains strong. Despite President Trump's decision to block new Net Zero regulations at the International Maritime Organisation (IMO) this year, the global maritime sector is expected to continue advancing its decarbonisation efforts.

This progress is underpinned by billions of dollars in longterm vessel orders and fuel infrastructure investments, positioning biomethane and bio-LNG as crucial transition fuels for one of the world's hardest-to-abate industries. WBA has developed detailed policy recommendations in anticipation of the IMO finalising its new Net Zero measures, which we hope will be adopted within the next year.

Through our advocacy and leadership, collaboration with global institutions and governance organisations, WBA has worked throughout the year to ensure the potential of biogas and biofuels is understood, recognised and supported at the highest levels.

A key facet of this has been the **#MakingBiogasHappen** programme, purposefully designed to cut years from the normal time it takes to develop the policies, regulations and standards needed to support and accelerate national biogas development. At the end of 2024 we launched two cornerstone initiatives to accelerate sustainable biogas development:

- The Global Biogas Regulatory Framework, a blueprint for the policies and standards required to establish a high-performing, well-regulated biogas industry; and
- ADCS International, the first international certification scheme for biogas plants, setting benchmarks for safety, environmental performance and operational excellence.

The second phase of **#MakingBiogasHappen** began at the turn of 2025, with a focus on adapting and implementing these frameworks in key markets, starting with India and Brazil, where national and state governments are working closely with WBA to unlock large-scale biogas deployment.

Our advocacy work continues to address critical barriers – such as the lack of clear guidance on the use of biomethane certificates within the Greenhouse Gas (GHG) Protocol – through initiatives like the Let Green Gas Count campaign and Value4Farm.

WBA also plays a vital role in building global collaboration. This year's World Biogas Expo & Summit and the AD & Biogas Industry Awards were among our most successful to date, bringing together stakeholders from across the value chain. Our new platform, WBA Connect+, now connects more than 500 industry professionals worldwide to share knowledge, best practice and business opportunities.

To our members – thank you for your continued support and engagement. Together, we are showing that biogas can prevent up to 11% of global greenhouse gas emissions, deliver clean and reliable energy and build a more sustainable, circular world. Let's continue #MakingBiogasHappen.

Charlotte Morton OBE
Chief Executive, World Biogas Association

Policy & Advocacy Leadership

#MakingBiogasHappen — PR OGRAMME —

In January 2024, WBA launched its flagship programme, #MakingBiogasHappen, which aims to accelerate the growth of the biogas industry by reducing the time needed to develop the necessary policies, regulations and standards. The programme consists of two components:



Global Biogas Regulatory Framework (GBRF) the world's first international model framework outlining nine key policy and

regulatory pillars for biogas deployment.



The Anaerobic Digestion Certification Scheme (ADCS) INTERNATIONAL International is a global

certification scheme that sets minimum standards for health and safety, environmental and operational requirements.

This work was funded by the Global Methane Hub, TotalEnergies, DLA Piper, and GHD.

#MakingBiogasHappen is now in Phase 2, focusing on outreach and dissemination to drive the adoption of GBRF and ADCS International on a global scale. The WBA team is also adapting the programme in India and Brazil through the development of state-level Biogas Action **Plans**, showcasing how these tools can accelerate sector growth and deliver benefits in climate, energy and waste management.

WBA has signed Memoranda of Understanding with the following state governments and organisations to deliver #MakingBiogasHappen Phase 2:

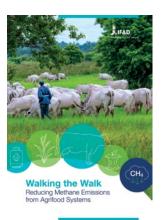
- São Paulo State Government, Brazil
- Madhya Pradesh State Government, India
- Indian Federation of Green Energy (IFGE)
- Federation of Indian Petroleum Industry (FIPI)

Agenda Setting COPs



COP29 Azerbaijan

WBA's #MakingBiogasHappen Programme was identified as a key climate solution at COP29 in Baku, featuring in the report the Walking the Walk, Reducing Methane Emissions from Agri-Food Systems, launched at the NDC 3.0 Navigator Dive on Methane Reduction in Food Systems.



The NDC Navigator series were among the most critical meetings at COP29, presenting governments with pathways and action plans to enhance their national determined contributions to the Paris Agreement ahead of COP30.

Subsequently, WBA, with particular reference to the **#MakingBiogasHappen** programme, was invited to join three of COP30's official Activation Groups, the driving force behind the COP30 Action Agenda.



Brazil has made accelerated growth in the global biofuels market one of the key objectives for its presidency of COP30 – the first to focus on implementation to achieve tangible progress toward climate targets.

The Activation Groups are tasked with consolidating solutions and ensuring they become more robust, advance faster and reach more places. WBA is participating in Activation Groups on delivering an inclusive energy transition, universal access to energy and reducing non-CO₂ greenhouse gases.

Meet Dr Sarah Letsinger



Sarah has recently joined WBA as the #MakingBiogasHappen Policy Lead and is responsible for coordinating all programme activities. She brings extensive experience in policy development and stakeholder engagement from her previous roles in the Scottish Government and consulting with large public sector organisations. Contact sletsinger@worldbiogasassociation.org



World Biogas Technology 2026

As an integral part of the WBA's #MakingBiogasHappen initiative, World Biogas Technology 2026 is a strategic tool that complements the Global Biogas Regulatory Framework (GBRF) and ADCS International. Together, these initiatives form a powerful package:

- GBRF establishes the enabling policy and regulatory environment for growth.
- ADCS International sets performance benchmarks and assures quality and sustainability in plant operations.
- World Biogas Technology 2026 connects these frameworks to real-world solutions by showcasing the technologies and providers that can deliver on these standards.

In this way, the guide plays an integral role in scaling up the industry worldwide.

For further information, mgalbraith@worldbiogasassociation.org



WBA is at the forefront of the Let Green Gas Count (LGGC) Coalition, calling for biomethane certificates to be recognised in the World **Resources Institute Greenhouse** Gas Protocol. The campaign launched in February with an open letter to the World Resources Institute (WRI) Secretariat signed

by over 230 international stakeholders from across all continents representing all primary and end-use sectors. At New York Climate Week (NYCW), WBA represented LGGC at a Clean Fuels Accounting Workshop, formally presenting the High-Level Recommendations on the treatment of lowcarbon gases in corporate greenhouse gas reporting.

These aim to act as interim guidance for the treatment of low-carbon gases in corporate greenhouse gas reporting until the GHG Protocol publishes its standard. In the coming months, we will engage with ESG auditors to secure their buy-in on the recommendations. For more information, contact gceccarelli@worldbiogasassoication.org















Members of the Let Green Gas Count Coalition



Value4Farm > 1m stakeholders reached

Now in its third year, WBA continues as a core partner in Value4Farm. The Horizon-Europe project brings together 14 organisations from 10 countries working on the deployment of biogas and agrivoltaics on farms. The 42-month initiative aims to cut agriculture's carbon footprint and advance the EU Green Deal.

WBA leads communications, dissemination and exploitation. To date, Value4Farm has reached over 1 million stakeholders since the project's September 2023 launch through a dedicated website, media campaigns, events, workshops, focus groups and advisory boards. The project runs until February 2027, culminating in an end-of-project conference hosted by WBA to showcase results and drive large-scale adoption of Value4Farm solutions.

More at: www.value4farm.eu

Policy

90



WBA's policy team responded to 90 member enquiries, offering policy and regulatory guidance and support to WBA members. WBA represents the biogas sector in key global partnerships as an accredited member of the UNFCCC, a founding member of the Global Biofuels Alliance, and formal partner of the Climate & Clean Air Coalition (LOW Methane Partnership, Waste and Agriculture Hubs Leadership Groups), C40 Cities Network, Global Methane Initiative, Biofuture Campaign hosted by the Clean Energy Ministerial and REN 21. WBA is an official Observer of the Global Bioenergy Partnership of the UN Food and Agriculture Organisation and Climate Technology Centre Network Advisory Board Meetings. WBA is working closely with the Global Methane Hub, a philanthropic organisation funding projects that will help deliver the Global Methane Pledge.































WBA contributed to and peer reviewed several international publications, ensuring the role of biogas/biomethane was highlighted. These included:

- The Outlook for Biogas and Biomethane; Global Methane Tracker 2025; Delivering Sustainable Fuels (all International Energy Agency)
- Outline of the Renewables Global Status Report: Economic and Social Value Creation; Renewables for Economic and Social Value Creation (ESVC), Renewables 2024 Global Status Report (both REN 21, Renewable Energy [Policy] Network 21)
- Review of Draft SBTi Automotive Sector Net-Zero Standard (American Biogas Council/Science Based Targets initiative)
- Draft on Digestate Valorisation (Biomethane Industrial Partnership)
- Drafting and Review of Global Methane Status Report (Climate & Clean Air Coalition)
- Guidebook: Reducing Agri-Food Systems Methane (International Fund for Agricultural Development)

Market Development & Capacity Building



The 15th annual biogas trade show and co-located World Biogas Summit, co-hosted by WBA and the UK national biogas association ADBA, took place at the NEC, Birmingham on 9-10 July. With a focus on delivery, the World Biogas Expo & Summit 2025 attracted over 3,800 registered delegates from 50 countries, 160 exhibitors and over 80 expert speakers. Event promotion attracted just short of half a million impressions to our event website, newsletter and LinkedIn pages.



Supported by India's ministries of Petroleum and Natural Gas and New and Renewable Energy, the World Biogas India Congress (October 2024) hosted **58** speakers and **218** delegates.



External Events WBA Participated In

October (2024)

• LNGgc, London

November (2024)

COP29



COP29 Baku Azerbaijan

February (2025)

• India Energy Week



During IEW in February WBA Senior Technical Lead Flávio Ascenco conducted five site visits, accompanied here by WBA India office Technical Lead Dilip Kumar Khare.

- KAUST Research Conference on
 - Optimising Energy in the Circular Economy, Jeddah
- International Forum on Sustainable Development and Climate Resilience, Mexico (online)

March (2025)

- Australian
 Renewable Fuels
 Week 2025,
 Sydney
- TERI World Sustainable Development Summit, Delhi
- CCAC Annual Meeting, Brasilia
- I-REC Day Brazil 2025, São Paulo
- Veolia Green Gathering, Portugal

April (2025)

- CIBiogas 7th
 Forum Sul
 Brasileiro
 de Biogas e
 Biometano, Brazil
- International Summit on the Future of Energy Security, London



WBA Head of External Affairs Giulia Ceccarelli advocating for biomethane certificates at IREC, Brazil.



WBA Senior Technical Lead Flávio Ascenco (2nd from right) at CIB 7th Forum.

• IEA Workshop – Creating Demand for Sustainable Fuels, Paris

May (2025)

 Official Inauguration of the World's First Large-Scale Commercial E-Methanol Production Facility, Rødekro, Denmark

June (2025)

- Forum Bioresiduos Portugal, Porto
- São Paulo State World Environment Day Event, Brazil
- London Climate Action Week, London
- Global Biofuels Alliance Biomethane Webinar

July (2025)

 Biogas Bridge, Ecogas New Zealand Symposium, New Zealand



Invited by co-developers
European Energy (51%) and
Mitsui & Co (49%), WBA Chief
Executive Charlotte Morton OBE
represented the global biogas
sector at the inauguration of
the Rødekro facility, raising
awareness that AD yields both
biomethane and biogenic CO₂ vital inputs for green molecules
like e-methanol.



Minister for
Energy Simon
Watts with WBA
Chief Executive
Charlotte Morton
and Jeffrey
Clarke, CEO of
GasNZ at Biogas
Bridge, New
Zealand.

August (2025)

- Asia Waste Methane Convening, Seoul, South Korea
- IFGE Bioenergy & Tech Expo, New Delhi
- Clean Energy Ministerial, Busan, South Korea
- CNA (National Confederation of Agriculture and Livestock) Event (Online)

September (2025)

- Gastech, Milan
- New York Climate Week, NYC
- UK-India Climate Conference,









National Associations Roundtables

Hosted quarterly, the WBA National Associations Roundtables bring together biogas associations from around the world to share knowledge and strengthen collaboration across biogas markets.

Participating associations include:

- American Biogas Council, United States
- Anaerobic Digestion and Bioresources Association (ADBA), United Kingdom
- Asociación Mexicana de Biomasa y Biogás, A.C. (AMBB), Mexico
- Bartosz Moszowski Polish Biomethane Organization (PBO), Poland
- Bioenergy Association New Zealand, New Zealand

- Bioenergy Association of Ukraine (UABIO), Ukraine
- Brazilian Biogas and Methane Association, Brazil
- Canadian Biogas Association, Canada
- China Biogas Society, China
- Coalition for Renewable Natural Gas, United States
- Composting and Anaerobic Digestion Association of Ireland (Cré), Ireland
- Estonia Biogas, Estonia
- Irish Bioenergy Association, Ireland
- Lanka Biogas Association, Sri Lanka
- Sedigas, Spain
- Slovak Biogas Association, Slovakia
- Southern African Biogas Industry Association (SABIA), South Africa.

WBA Connect+

500^{members}

Since its launch in June, WBA Connect+ has grown into a dynamic global community accelerating collaboration and innovation in the AD, biogas, biomethane and biofuels sectors.

The community has held three key events:

- 12 June: Community Online Cafe – inaugural event
- 26 June: Global Landscape
 & Opportunities with
 Charlotte Morton OBE
- 16 September: How Future Biogas and AstraZeneca made unsubsidised biogas work with Dr Nick Primmer

Registered delegates: 649

Global Reach: **16** countries represented, including the UK, US, India, Germany, France, Brazil, and more.

Research and Development (R&D) Working Group

Chair: Dr. Daniel Lee, Technology & Compliance Director at Gas Data.

Topic: Use of additives/microbiology to improve biogas yield. Assessing innovative approaches that use chemical or biological additives, microbial consortia or enzymes to enhance feedstock degradation and biogas output.

Deliverable: Featured panel session during the World Biogas Expo 2026 and associated White paper.

Technical Support; Guidance & Application

414

WBA's technical team answered 414 enquiries, offering technical guidance and support to operator and developer members. WBA issued Operational Guidance Notes on compliance topics to assist the progress and growth of the sector and provide members with the correct guidance to protect their business. The team also sits on the ISO TC 255 (International Organisation for Standardisation Technical Committee 255) developing international standards for biogas, covering production, operation, product quality, security and management to promote technology exchange and international trade. It also participates in the



UN Environment Programme's International Methane Emissions Observatory (IMEO) MARS (Methane Alert & Response), gathering real world, actionable data on methane emissions.

ISO/TC 255 (Biogas) is focused on standardisation in biogas production, gasification from biomass and power-to-gas from biomass sources.

Operator Training, Learning & Development

- Technical Aspects for Implementing a Successful Biogas Project (in Spanish; x 2 across the year)
- Managing Temperatures and Biological Health
- Biogas Upgrading
- Feedstock Management
- Plant Optimisation (x3)





- Designing A Biogas Plant Key Engineering Considerations
- Fundamentals of Project Finance
- AD Process Diagnostics & Process Disruption (in Spanish; x 2)





Communications

The WBA's communications strategy in 2024 effectively elevated the profile of biogas on the global stage. Through our strategic events, publications and the MBH programme, WBA fostered international collaboration, influenced policy development and supported the scaling of biogas solutions worldwide. These efforts have laid a strong foundation for continued growth and recognition of biogas as a key component in the transition to a sustainable energy future.

Publications

- The Global Biogas Regulatory Framework (GBRF)

 The GBRF provides a clear and actionable framework for governments and industry to put in place the necessary policies, regulations, and standards to build sustainable and thriving biogas sectors, covering 9 key pillars: International & National Policy; Feedstock Policy; Biogas Utilisation; Digestate Policy; Gas Quality Regulations; Technical & Operational Standards; Environmental Regulations; Planning Policy; and Healthy, Safety and Environmental Protection Regulation.
- Anaerobic Digestion Certification Scheme International (ADCS Intl.) ADCS International, the first international

certification scheme for biogas plants, setting benchmarks for safety, environmental performance and operational excellence. ADCS Intl. is underpinned by two core documents – the Scheme Rules and the Scheme Criteria. Together, these documents provide a comprehensive guide to how the scheme operates and the 11 key criteria and standards operators must meet to achieve certification.



- Market Report Brazil
- Policy & Market Briefing Mexico
- Policy & Market Briefing India
- Member Briefing Policy and Market Forces Shaping Biogas Growth
- Position Statement Biomethane as a Maritime Fuel
- Operational Guidance Note Pollutant Gases: Leak, Detection & Repair
- Flagship publication World Biogas Technology 2026
 This authoritative guide offers a comprehensive overview of AD plant design and operation.











Key publications

Global





Brazil











India





THE TIMES OF INDIA The Dioneer



Europe



LandbrugsAvisen















Rest of the World











Science



nature

Countries

Algeria, Australia, Belgium, Brazil, Canada, Chile, Czech Republic, Denmark, France, Germany, Greece, India, Italy, Kenya, Morocco, New Zealand, Oman, Pakistan, Poland, Portugal, Saudi Arabia, South Africa, Spain, Sweden, the Netherlands, Tunisia, UK and USA.

22,130

LinkedIn followers

Year on year growth

WBA's LinkedIn posts share industry news, policy updates and project highlights, while promoting events, reports and campaigns like showcase thought leadership, member achievements and global collaborations, boosting WBA's visibility and engaging stakeholders worldwide.



66,870

WBA Monthly Newsletter Subscribers.

Providing stakeholders with a timely overview of developments in the global biogas and AD sector. It delivers industry news, project highlights, policy and regulatory updates, upcoming events and links to new publications and reports. By showcasing WBA initiatives, member activities and international collaborations, the newsletter serves as a key communication tool that keeps members and partners informed, engaged and connected to emerging opportunities in the biogas market.





2026: WBA's Priorities for the Coming Year

- To represent the global biogas industry on intergovernmental bodies and in multilateral processes to inform and advance the energy transition, meet climate targets, improve waste management systems and advance sustainable agriculture and food transitions.
- Accelerate global biogas development through the application at country or state level of the Global Biogas Regulatory Framework (GBRF) and associated Anaerobic Digestion Certification Scheme International (ADCS International), building on MoU's signed with states in India and Brazil.
- Lead global advocacy efforts to advance recognition of biomethane certificates for Scope 1 emissions under the GHG Protocol through the LetGreenGasCount campaign. Key initiatives include:
 - Launching a new global letter directed at corporate end users, endorsed by C level executives, to reinforce the campaign's objectives and encourage adoption of biomethane in corporate emissions reporting.
 - Engaging with **ESG auditors** to secure support for high-level recommendations on the treatment of low-carbon gases, as outlined on the LetGreenGasCount platform, strengthening the integration of biomethane into corporate greenhouse gas reporting frameworks.

- Strengthen our relationship with the International Maritime Organisation (IMO). WBA will apply for Observer Status with the IMO to have a seat at the table as it finalises Net Zero guidelines (2025–2027), advocating key policies from our Maritime Position Statement to drive biomethane adoption in shipping.
- Advocate for the adoption of a Protocol on Organic
 Waste Management under the Global Methane Pledge
 (GMP) framework, transforming voluntary commitments
 into binding obligations that mandate signatories to
 implement measurable methane reduction measures
 from organic waste sources.
- Represent the global biogas industry on the
 International Standards Organisation Technical
 Committee (Biogas) (ISO/TC 255), seeking to establish
 technical standards that provide best practices,
 specifications and guidelines to ensure quality, safety,
 efficiency and interoperability of products, services and
 systems worldwide.
- Provide enhanced training, learning and development across the full industry value chain, supported by Operational Guidance Notes.
- Participate in demand-sector events and meetings to raise awareness and educate key stakeholders on the potential and role of biogas and biomethane in their sector.



Join us in #MakingBiogasHappen

Contact us to find out what value WBA can deliver for you and your organisation. t: +44 (0) 20 3176 0503 m: +44 (0) 77 7590 0259 e: enquiries@worldbiogasassociation.org

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