



WORLD BIOGAS ASSOCIATION

#MakingBiogasHappen

Activity Report 2024



Message from our Chief Executive



The time for biogas is finally here and we are not alone in saying this: the International Energy Agency's Renewables Report 2024 anticipates the **sector growth rate to accelerate from 19% in 2017-2022 to 30% in 2024-2030**. Indeed, since the tragic return of war to the European continent with the Russian invasion of Ukraine, **the outlook for the global biogas sector has forever changed**.

The war has disrupted supply chains for both gas and mineral fertiliser, bringing governments across the globe to increasingly focus on energy and food security. This awakening has not only brought ambitious biomethane targets in the EU, as well as new incentives in the US and in many key markets, but also a new attention on previously ignored key themes such as biofuels and waste management in global fora.

This year, the **Turin Joint Statement on Sustainable Biofuels** was presented at the G7 Climate, Energy and Environment Ministers' Meeting and noted in their 2024 Communiqué. Biofuels have been at the centre of discussions at the **G20 Energy Meetings** and **Clean Energy Ministerial** in Brazil, where WBA spoke in many side events, highlighting the role of biogas to deliver energy security, decarbonisation of the hardest to abate sectors, as well as clean cooking. The **G20 also published two policy papers of the WBA** to inform their negotiations on the green transition; they bring forward clear policy recommendations for G20 countries to reduce food loss and waste and to unlock finance for methane mitigation from solid waste.

On the sidelines of these global energy meetings, we hosted our very own inaugural **World Biogas Association BRAZIL Congress 2024** on 1st October in Iguazu Falls to shine a spotlight on the biogas sector within the global energy dialogue and discuss a roadmap for the Brazilian biogas sector ahead of COP30.

COP29 Azerbaijan Presidency is also building on COP28's attention on waste management with the first ever COP declaration focused on the waste sector: the **COP29 Declaration on Reducing Methane from Organic Waste**. WBA will host an official side event in the exclusive Blue Zone of the COP, a side event in the Waste and Resources Pavilion in the Green Zone and speak in many other events. Year on year we are increasing the visibility of the global biogas sector at the biggest climate event of the year to position biogas as a key climate solution before governments from around the world.

All eyes are on next year's **COP30 Brazil Presidency**, where we expect all these global efforts to converge to bring catalytic ambition coupled with finance.

International cooperation is at the heart of everything we do at the WBA, both at the highest level in these international fora and on the ground. On 23rd and 24th October, we hosted our second **World Biogas Association INDIA Congress 2024** in New Delhi to bring all the key stakeholders of the Indian biogas market and international biogas experts together to identify barriers to growth for what could be the largest biogas market in the world. For the event, we secured the support of the two key Ministries, the Ministry of Petroleum and Natural Gas and the Ministry of New and Renewable Energy.

We have also worked with partners across the world to overcome key challenges that are hindering the growth of the sector such as the absence of a clear guidance on the use of biomethane certificates within the **GHG Protocol**, and the introduction of the **Union Database for gaseous fuels** that will impact biomethane imports into the EU.

Notwithstanding these challenges, we are making rapid progress in deploying biogas globally – the sector is growing fast in Europe, the Americas and Asia, with emerging markets in Oceania and in the African continent as well. Yet, we still face significant barriers, which means the industry is not scaling up at the pace we need it to. For this reason, in January the WBA launched the **#MakingBiogasHappen** programme, a series of interlinked initiatives aiming to tackle barriers to growth. The programme will cut years from the normal time it takes to develop the necessary policies, regulations and standards needed to support a high performing biogas industry.

As ever, thank you to you, our members, for your unwavering support to help us continue **#MakingBiogasHappen**, I hope only you will enjoy this activity report as all our achievements are possible because of you. Keep engaging with our work and sharing your feedback to ensure we deliver the right outcomes for this industry. Together we can prevent nearly 0.1°C of warming by 2050 producing clean energy and stopping wastes from polluting the planet on which we live, and especially our oceans, the acidification of which has become so serious that carbonate marine life is not expected to be capable of surviving more than 10–20 years.

Charlotte Morton OBE
Chief Executive, World Biogas Association



Building a Global Network

The World Biogas Association Congress Series

The World Biogas Association Congress Series is a global initiative aimed at accelerating biogas development to help countries meet Net Zero goals. It serves as a collaborative platform for government and industry stakeholders to optimise bioresource use, address growth challenges, foster partnerships, attract investment, and share best practices across the biogas sector worldwide.

The Congresses bring together prominent **chief executives, government ministers and key stakeholders** from both public and private sectors to facilitate **strategic discussions and collaboration**.

The attendees represent leaders across various industries, international organisations, and government bodies, committed to shaping policy, driving innovation, and fostering partnerships at the highest levels.

WORLD BIOGAS ASSOCIATION | BRAZIL CONGRESS 2024
1 OCTOBER 2024 | FOZ DO IGUAÇU | PARANÁ | BRAZIL

National Partners

ABiogás **CIBIOGAS**
ENERGIAS RENOVÁVEIS

28 Speakers 100 Delegates

"The World Biogas Association BRAZIL Congress was a unique opportunity to exchange experiences and connect emerging and mature markets."

Evandro Gussi, CEO of UNICA

WORLD BIOGAS ASSOCIATION | INDIA CONGRESS 2024
23 - 24 OCTOBER 2024 | LE MERIDIEN | NEW DELHI | INDIA

Co-organiser **Government Partners**

ITEN MEDIA™ **MINISTRY OF PETROLEUM AND NATURAL GAS** **MINISTRY OF NEW AND RENEWABLE ENERGY**

58 Speakers 218 Delegates

"The World Biogas Association INDIA Congress provided one of the most effective platforms for domain experts, policymakers, and stakeholders to exchange their ideas and deliberate on the way forward for rapid adoption of biogas in India."

Sukla Mistry, Director (Refineries), IndianOil

Partners

PRODEVAL **UNICA**

CLIMATE & CLEAN AIR COALITION **biofuture campaign**

MULHERES DO BIOMÉ **ITAIPU BINACIONAL** **GREAT**

Dr Biogas,
a social media influencer in Brazil

Partners

GREAT **INVEST INDIA** **THE ECONOMIC TIMES** **ISMA** **IFGE**

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PRODEVAL **FUTURIA FUELS** **MAHANAGAR GAS** **RAJ PROCESS** **GAS LAB ASIA**

Keynote Speakers

L-R: **Enio Verri**, Director-General, Itaipu Binacional, **Airton Kunz**, Senior Researcher, Embrapa Suínos e Aves, **Renata Isfer**, Executive President, ABiogás, **Alessandro Sanches**, Executive Director, Instituto 17, **Paolo Frankl**, Head of Renewable Energy, IEA, **Rana Adib**, Executive Director, REN 21.

Keynote Speakers

L-R: **Pankaj Jain**, IAS, Secretary, Ministry of Petroleum and Natural Gas, Government of India & Interim Director General, Global Biofuels Alliance, **Amitabh Kant**, G20 Sherpa of Indian & Former CEO, Government of India, **Sangita Kasture**, Advisor Bioenergy, Ministry of New & Renewable Energy, **Tarun Kapoor** IAS (retired), Advisor to the Prime Minister, PMO, Government of India, **Bindu Lathwal**, Project Director India, Futuria Fuels, **Shombi Sharp**, UN Resident Co-ordinator, India, United Nations.

THE WORLD BIOGAS EXPO 2024

THE WORLD BIOGAS SUMMIT

Sponsors



Nalón Minerals



In numbers:



3,176 total registrants



151 exhibiting companies,



Delegates from **40** countries



92% of visitors rated event good-excellent



400,000 social media impressions (Linked In-X)



55,000 visits to the event website



40,000 weekly opens of event newsletter

59 International delegates who joined the site visit to Vale Green Energy AD Plant, held in conjunction with the Expo & Summit on 9 July. The WBA Members' Meeting also took place on 9 July, followed by a free networking reception. The 2024 AD and Biogas Industry Awards ceremony took place on 10 July, hosted by Chris Hines, celebrated co-founder of Surfers Against Sewage.



Keynote speakers:



L-R: **Rachel Kyte**, former Special Representative, United Nations Secretary-General for Sustainable Energy for All, **Jo Tyndall**, Director, Environment Directorate, OECD, **Denise Mulholland**, Director of Secretariat, Global Methane Initiative, **Donovan Storey**, Global Waste Hub Lead, CCAC, **Henrique Bezerra**, Regional Lead Latin America, Global Methane Hub, **Nicholas Jenks**, Climate Solutions Director, PepsiCo, **Pankaj Jain**, IAS, Secretary, Ministry of Petroleum and Natural Gas, Government of India & Interim Director General, Global Biofuels Alliance, **Carlos RV Silva Filho**, President, ISWA, **Gordon Ayres**, Secretary-General, Southern African Biogas Industry Association (SABIA), **Gisela Provasi**, LOW-Methane Project Director, C40 Cities Alliance, **Kathy Puffer**, Mighty Network Host, biogaseducation.com, **Thomas de Boer**, CEO, Nature Energy.



"I come here every year, The World Biogas Expo and Summit is an amazing event. The start of a revolution in gas and how we produce gas, how we heat our homes and how we heat our industries. And this feels like solar felt 20 years ago. We are at the absolute start of a revolution."

Michael Ware, Green Giraffe

"Thank you so much for organising the site visit! It was super insightful."

Daniel Hew, Strategy & Policy Advisor, Shell

"The overall trend is very, very positive, and I think the medium to long-term perspective is really exciting. We saw that in all the data that were given in the conference here, and we've seen that in the presentations given by international institutions."

David Robert Newman FCIWM, Chairman of the European Bioeconomy Bureau



#MakingBiogasHappen Programme

Unlocking The Global Potential Of Biogas

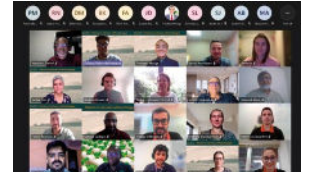
WBA's radical **#MakingBiogasHappen** (MBH) programme aims to cut years from the normal time it takes to develop the necessary policies, regulations and standards needed to realise a high-performing biogas industry at the national level.

The first two major projects of the MBH programme are the **Global Biogas Regulatory Framework** and the **International Anaerobic Digestion Certification Scheme**. These were started in January 2024 and are nearing completion, ahead of embarking on Phase 2 in 2025, dissemination. Their development has been funded by the **Global Methane Hub**, **TotalEnergies** and **GHD**.

20 in-depth workshops Delegates from 32 countries

Both **India** and **Brazil** are primed to adapt these best practices and certification scheme to their domestic markets.

The **WBA team**, with external consultants, drafted the regulatory framework and certification scheme, followed by consultations with industry experts and key stakeholders to review the findings. In September, WBA hosted 20 workshops to gather country-specific insights and address knowledge gaps, attracting engagement from 32 countries.



MBH workshop on 9 September

WBA Training Events 2024

Our training programme this year, structured to professionalise the industry, has included sessions on:

- Plant Optimisation (March, December)
- Managing Temperatures and Biological Health (May, October)
- AD Process Diagnostics and Process Disruption (July)
- Technical Aspects for Implementing a Successful Biogas Project/ Aspectos Técnicos a Considerar para Implementar con Éxito un Proyecto de Biogás (September, Spanish-language session)
- Biogas Upgrading (November)
- Feedstock (November)



WORLD BIOGAS ASSOCIATION

WBA convenes a powerful, global network of industry and thought-leaders in anaerobic digestion (AD) and complementary technologies, offering limitless opportunities to make professional connections and access peers through in-person and exclusive online forums.

WBA membership delivers unparalleled access to policy, technical and regulatory expertise on standards and best practice through an extensive array of association resources and discounts, including:

Access: Members have ready access to WBA's teams of policy and regulatory analysts, technical advisers and public affairs executives, who are available to promptly address member inquiries;

Research & Benchmarking: WBA resources deliver hard data and insightful analysis to help industry professionals build their knowledge base and awareness of KPIs and industry best practice;

WBA Online Calculators: Enable precision business planning;

WBA Library: Offers direct access to an ever-expanding library of landmark reports, market intelligence, industry briefings and guidance notes;

Training: Direct access to WBA training and learning and development programmes and events;

Participation: Opportunity to participate in agenda-setting Sector Interest Groups, Working Groups, Member Meetings and global initiatives such as the **#MakingBiogasHappen** programme.

Through a strategic and initiative-taking approach to **#MakingBiogasHappen**, the WBA influences global policies and regulations, sets standards and provides knowledge exchange, to fast-track the development of AD and complementary technologies, open new markets and promote the industry's growth on both a global and regional scale.

Find out more about WBA Membership by downloading the Membership brochure here. You can also contact mgalbraith@worldbiogasassociation.org for more information.

Engaging with Leading International Bodies

In 2024, WBA:

- entered into **partnership with the Global Methane Hub**, to develop the groundbreaking International Anaerobic Digestion Certification Scheme and Global Biogas Regulatory Framework, both part of the WBA's **#MakingBiogasHappen** programme. Also sponsored by TotalEnergies and GHD, the programme will feature in a Joint Publication of high-level organisations such as the World Bank, UN agencies CCAC, IFAD, FAO and NDCs Partnership, to be launched at COP29. The publication will highlight efforts to reduce methane emissions from agriculture.
- succeeded in getting two of its key position papers on solid waste management to be **officially published by the G20 Policy Hub, the T20**, to inform negotiations of G20 countries on the green transition.
- was one of the leaders of a coalition of trade associations that is continuing to **lobby the World Resources Institute (WRI) to accept market-based mechanisms in the Greenhouse Gas Protocol (GHGP)** and provide guidance on the use of biomethane certificates within the GHGP. At New York Climate Week, WBA Chief Executive Charlotte Morton OBE met with the Vice-Chair of the GHGP Steering Committee, Ovais Sarmad and Michael Macrae, Director of Scope 2, WRI. The clear message was that the WRI is very supportive of market-based measures, the focus is on setting up a standardised consensual methodology for such measures.
- along with other 45 companies and associations, wrote to the European Commission (EC) **calling for urgent action to ensure the full recognition of imported biomethane and biomethane-based fuels in the Union Database (UDB)** for gaseous fuels, set to be launched by November 2024. The WBA continues to engage key stakeholders on the UDB issue to seek a rapid resolution. The EC's current intention is to exclude certification for biomethane and related fuels transported through extra-EU grids.
- **co-signed The Clean Cooking Declaration** at the **Summit on Clean Cooking in Africa** where USD 2.2 billion in public and private sector funding, financing and investment for clean cooking was announced.
- **joined the REN21 network** to amplify the biogas sector's voice in the global energy dialogue.
- represented the biogas sector in key global partnerships such as the **Global Biofuels Alliance, Global Bioenergy Partnership, CCAC Waste Hub Leadership Group, Biofuture Council, COP28 Waste to Zero Initiative**, and many others, to advance the biogas agenda.
- hosted quarterly **National Associations Roundtables** with representation from many national biogas associations from around the world to enhance knowledge transfers between biogas markets.

External Events WBA Participated In:



February 2024

- India Energy Week 2024 (Goa)
- World Sustainable Development Summit (New Delhi)
- Global Business Summit (GBS) (New Delhi)
- gasworld CO₂ Summit (virtual)
- Climate & Clean Air Coalition (CCAC) Annual Meeting (Nairobi)



March 2024

- eFlame (virtual)
- Global Methane Initiative (GMI) Annual Meeting (Geneva)
- Global Sustainability Conclave 2024 (virtual)



April 2024

- 6° Forum Sul Brasileiro Biogas e Biometano (Brazil)



- Flame (Amsterdam)



May 2024

- IEA Summit on Clean Cooking in Africa (Paris)
- IFAT (Munich)
- 2nd Annual Advanced Biofuels 2024 (virtual)



June 2024

- 11th GBEP Bioenergy Week (Rome)



September 2024

- New York Climate Week (New York)
- Clean Energy Ministerial and G20 Energy (Brazil)
- CCAC/GIZ Let's Talk Biogas (webinar)



November 2024

- SIBiogas (Argentina, virtual)
- COP29 (Azerbaijan)



Raising the Profile of the Industry

Over the past 12 months, WBA has issued nine press releases and achieved notable coverage in Australia, Brazil, Canada, Finland, France, Germany, India, Italy, Japan, the Netherlands, Nigeria, Spain, the UK and the USA.

nature climate change The organisation's research and analysis has been referenced in 5 scientific papers published by Nature Climate Change and MDPI with a combined exposure of 143M.

WBA media exposure in the past 12 months, however, has been dominated by WBA's activities in Brazil and India.

- The **World Biogas Association BRAZIL Congress 2024** and WBA's support for the **Abiogás Forums do Biogás 2023 and 2024** generated coverage in 52 articles across 42 outlets in Brazil – with a combined reach of at least 6.8M.



- WBA's meeting with the **Brazilian Secretary of International Affairs at COP28** in Dubai also received significant coverage across Brazilian press agencies, mainstream and agricultural outlets with a combined reach of 1.7M.

- Similarly, activities in India provided huge exposure to WBA, from attending **India Energy Week** in February, the **India Conclave** in March and hosting the **2nd World Biogas Association INDIA Congress** in October. An interview of WBA Chief Executive by **CNBC India** at India Energy Week had a single reach of 141.7M, whilst a partnership with the **Economic Times of India** for the congress saw the event achieve a preview reach (at the time of writing) of 74M.



Overall, WBA's work in India over the past year has resulted in coverage in 29 Indian outlets with a combined reach of 189.25M

yahoo! finance The single highest ranking media item was an article on biogas published in May on **Yahoo! Finance** with a reach of 245.8M, concluding biogas is an investment opportunity that should not be overlooked.

- The announcement of the **AD and Biogas Industry Awards 2024** was also widely covered. In particular, a press release by Award recipient **Electrochaeca** achieved international coverage amounting to an astounding 124.5M in total reach, including Germany and the UK, thanks to circulation via the AP Newswire! Further WBA activities which generated additional coverage were the signing of the **Clean Cooking Declaration** and the sharing the urgent call by the **Biogas Association of Ukraine** for assistance with the deployment of the biogas infrastructure to secure energy independence and resilience in the war-torn country.



in 269,289 Impressions 2,817 New followers (1 Jan-19 October 2024)

AD AND BIOGAS INDUSTRY AWARDS 2025

Nominations for the **AD and Biogas Industry Awards 2025** are officially open. This prestigious event celebrates the standout achievements, innovations and leaders within the global biogas industry – providing winners with valuable international exposure. Whether you've made strides in technology, sustainability or leadership, now is your chance to be recognised among the best in the industry. Categories for 2025 are:

1. Health, Safety and Wellbeing
2. Women in Biogas
3. AD Hero of the Year
4. Best Anaerobic Digestion/Biogas Support
5. The Net Zero Circular Solutions
6. AD Education Campaign of the Year
7. Best Biogas Plant: Below 1Mwe
8. Best Biogas Plant: Above 1Mwe
9. Micro AD Initiative
10. AD Rising Star
11. AD Research and Innovation

Don't miss out on this incredible opportunity to showcase your success. **Nominations close on 31 December.** Submit your nominations via our simple online form at: <https://adandbiogasindustryawards.awardsplatform.com> For any questions or more information, contact montana.hull@adbioresources.org

SAVE THE DATE!

THE WORLD BIOGAS EXPO 2025
THE WORLD BIOGAS SUMMIT 2025
9-10 July, NEC Birmingham, UK

Register here: **Organised by ADBA** **WORLD BIOGAS ASSOCIATION**
www.biogastradeshows.com/express-your-interest

WBA Objectives, Advocacy and Goals 2025

WBA's primary mission is to advocate for the use of biogas in capturing methane emissions from organic waste, **the fastest most cost-effective way to keep 1.5C target of the Paris Agreement alive.**

This involves **collaborating with governments and international bodies** to establish policies, incentives and regulations that encourage investment in biogas infrastructure. This year WBA position papers on urban waste management fed into the **final communique of Brazil's Presidency** of the G20, our flagship **#MakingBiogasHappen** project features in a report from the **International Fund for Agriculture Development** on future farming to be presented at **COP29**, and we are playing an instrumental role in developing the EU's

 **Value4Farm project, a roadmap to decarbonise farming.**

Through promoting sustainable waste management that benefits the environment and local economies **WBA also works tirelessly to bridge knowledge gaps** by offering training and resources, research and networking opportunities that help **build capacity in regions where biogas has high potential** but limited implementation.

In the coming year we will accelerate our activity to promote biogas solutions between Cop 29, with its focus on **Methane Reduction from Organic Waste** and Cop 30 where the world is expected to sign up to Brazil's **Global Bioeconomy Initiative**. In the interim we will be supporting countries develop their **enhanced NDCs** and ensuring challenges to biomethane use are overcome.

Biogas is the engine for growth, for people and planet. Here are some of the key activities we will be undertaking out to COP30 to accelerate the rapid deployment of biogas around the world.

- WBA will seek funding and political buy-in to deliver Phase II of two key pillars of the **#MakingBiogasHappen** programme, the **Global Biogas Regulatory Framework** and **Anaerobic Digestion Certification Scheme International (ADCS-Intl)**. Phase II will consist of rolling out these programmes in key biogas markets through national biogas roadmaps that can adapt the Global Biogas Regulatory Framework and ADCS-Intl to local conditions and to the level of maturity of each market.
- WBA will continue advocating for the acceptance of market-based mechanisms (e.g. biomethane certificates) in the **GHG Protocol**. Along with partners, WBA will mobilise the industry and off takers' industries to back such critical instruments for financing biomethane production.

- WBA will join new key partnerships and taskforces to advance the biogas agenda including the **Biomethane Industrial Partnership**, the **IEA Task Force 37**, the **LOWMethane Partnership**.
- WBA will continue to represent the industry at high profile international events and conferences around the world, including **India Energy Week 2025** in New Delhi (11th-14th February), the **Climate and Clean Air Conference 2025** in Brasilia (17th-21st March), 16th Clean Energy Ministerial in South Korea (August TBC), **G20 Energy Meeting** in South Africa (October TBC) and **COP30** in Belem, Brazil (10th-21st November).
- WBA will host new **World Biogas Association Congresses** to build on the success of the previous ones in India and Brazil, locations and dates to be announced at the start of the new year.
- WBA will continue to enhance market insights through **harvesting and benchmarking biogas data**, and we will continue to publish **reports and insight pamphlets** covering **market and technological developments** from across the globe.
- WBA will continue representing the interests of the global biogas sector in key international partnerships and initiatives, such as the **Global Biofuels Alliance**, **Global Bioenergy Partnership**, **Biofuture Council**, and **CCAC Waste Hub Leadership Group** to advance the biogas agenda.



COP29
Baku
Azerbaijan

WBA was active at the **COP29** climate meetings in Baku, Azerbaijan this November. WBA co-

hosted an official side event, titled **Unlocking the Potential for Financing Methane Mitigation from Solid Waste for the NDCs and Beyond**, alongside the International Solid Waste Association (ISWA).

This event aligned with COP29's key agenda item on **Methane Reduction from Organic Waste**. The session contributed to the anticipated COP29 Declaration, to accelerate waste sector commitments aligned with the 1.5°C target, including quantifiable methane reduction targets in national climate policies.

The WBA delegation spoke in many other side events and met with national delegations and international partners to advance the biogas agenda.

We're only a phone call, e-mail or meeting away...

Have a question about your membership? Contact **Nicola Goldie** on +44 (0)20 8145 7067 or ngoldie@worldbiogasassociation.org



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ASSOCIATION

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