



WORLD BIOGAS ASSOCIATION

#MakingBiogasHappen

Activity Report 2023



Message from our Chief Executive



There has never been a better moment for biogas. From the increased sophistication of carbon markets to the focus on energy security and the long-awaited attention on the value of biogas' non-energy benefits, biogas is finally really happening. And not just in more mature markets such as in Europe and the US, but increasingly also in emerging economies.

Yet, the climate clock keeps ticking and progress is far behind where it needs to be to avoid the destruction of the planet on which we live and upon which we depend. We need the whole world to come together and focus as if the task were to put a woman on Mars by 2030.

This is our mission: to facilitate biogas delivery across the globe. We serve an industry, not a client, and via our work we aim to open up new markets and opportunities for all biogas stakeholders. We cannot achieve our ambitious programme alone and look to you as industry leaders to work with us in **#MakingBiogasHappen**.

To help us achieve our mission, I'm delighted to say that WBA has secured funding from the Global Methane Hub to develop a global biogas regulatory framework to exponentially accelerate the rate of deployment – we must standardise and scale up.

We also must ensure this global expansion of the sector happens safely and professionally. With funding from the Global Methane Hub, WBA will also develop the world's first international, biogas-specific certification scheme designed to improve the health, safety, environmental and operational performance of biogas plants, the international Anaerobic Digestion Certification Scheme (ADCS International). Both projects will need the input of the global biogas industry, so we count on all of you to join us in this journey.

As the biogas industry scales up globally, so we are developing the capacity of our own team to better support the biogas industry, with an enhanced policy and technical team led by Dr Pradeep Monga, the former Deputy Executive Secretary to the UN Convention to Combat Desertification (UNCCD).

This year, we have also focused on opening up new markets. In July, following our work in India, WBA was invited by the Government of India, along with the IEA and other international NGOs, to be a Founding Member of the Global Biofuels Alliance, one of the key initiatives of India's G20 Presidency, aimed at accelerating the deployment of biofuels around the world.

Our first contribution to the Alliance came in October, when we hosted our inaugural World Biogas Association India Congress 2023. The event was a resounding success bringing all major stakeholders together, including the Advisor to the Prime Minister and Minister Shri Hardeep Singh Puri, Minister of Petroleum and Natural Gas, who made it clear that Prime Minister Modi himself wants to see biogas happen in India.

We have now written to Minister Puri to thank him for his invaluable support and to ask for the Indian government's backing for WBA to develop a national Roadmap to deliver India's immense biogas potential. In 2024, we will also focus on Brazil, this year's G20 host and a bioenergy powerhouse with a similarly huge biogas potential.

2023 has proved that WBA can change the global conversation. When the World Resources Institute (WRI) altered the guidance on biomethane certificates in the GHG Protocol, we took quick and effective action to demand a rethink, coordinating a joint letter with close to 60 biogas and biomethane trade associations and companies from across the globe.

In August, WBA received confirmation that the WRI would remove the current provisions on biomethane certificates whilst referring to the future process to consider the role of market-based accounting more generally across sectors. This is therefore a huge win for the biomethane sector, but the battle is not over. WBA is joining forces with EBA, EFET, ERGaR, Eurogas and RNG Coalition (US) to create a coalition on the treatment of renewable gas certificates in the GHG Protocol Standard.

Finally, this year the biogas conversation has shifted, we are not talking purely about the potential of the technology anymore but about delivery and deployment. Biogas is happening on every continent of the world, in both developed and developing nations, and thanks to your support, we will continue making biogas happen faster.

Charlotte Morton OBE
Chief Executive, World Biogas Association

WBA's new team members



Dr Pradeep Monga,
Senior Advisor and Policy Director
pmonga@worldbiogasassociation.org



Dr Sarika Jain,
Interim Policy Lead
sjain@worldbiogasassociation.org



Alice Stephens,
External Affairs Advisor
astephens@worldbiogasassociation.org



Flávio Ascenco,
Technical Support Manager
flavio.ascenco@adbioresources.org



Nigel Joseph, Global Manager of
Memberships, Commercial and Marketing
nigel.joseph@worldbiogasassociation.org



Advocacy & Engagement

EVENTS WBA PARTICIPATED IN



- Abu Dhabi Sustainability Week (January)



- India Energy Week in Bangalore (February)



- Oman Sustainability Week (March)
- Green Hydrogen Summit (April)



- Giulia Ceccarelli (back row, 3rd from right) attended and spoke at the Food & Agriculture Organisation's **Global Bioenergy Partnership Annual Meeting** (May)
- **International Biogas Congress & Expo** (May)
- Charlotte Morton OBE and Giulia Ceccarelli attended and spoke at the UN agency **Climate and Clean Air Coalition Annual Meeting** (May-June)



- Baltic LNG & Gas Forum (June)
- Clean Energy Ministerial (July)
- Irish Renewable Gas Conference (September)



- Ecomondo (November)
- The 10th Forum Do Biogás, Brazil, (November)

- Future of Biogas Conference (November)



COP 28 (November-December)



WBA hosted an official side event in the exclusive Blue Zone on the second day of COP28. The panel discussion focused on the

role of the waste sector in delivering the Global Methane Pledge (GMP). The session was opened by Martina Otto, Head of Secretariat of the Climate and Clean Air Coalition (CCAC) and featured speakers from the Mexican and Pakistani Governments, the International Solid Waste Association (ISWA) and the global infrastructure consultancy GHD. Charlotte Morton OBE spoke about the huge potential of biogas to deliver the Global Methane Pledge.



Charlotte also spoke at an official side event organised by the Turkish Government, at a roundtable of the Global Biofuels Alliance and attended ministerial events of the CCAC.

WBA had bilateral meetings with the International Fund for Agricultural Development (IFAD), the World Bank, the Global Environment Facility (GEF) and Green Climate Fund (GCF), all of which are focussing on methane action and showed an interest in the biogas sector and its role in preventing methane emissions.

WBA also exhibited the potential of the sector to deliver climate and economic benefits in one of the official stands in the Blue Zone.

BUILDING A GLOBAL NETWORK



In a landmark webinar (<https://tiny.cc/oi9jxz>) in September, the WBA set a benchmark for the global

biogas industry by consolidating the growth forecasts and scenarios developed by the IEA, BP and European Commission respectively. The webinar was addressed by (l-r) Peter Zeniewski, Lead Gas Analyst, International Energy Association; Fabio Montemurro, Head of Power Systems and Renewables, BP; Ruud Kempener, Member of Cabinet of Commissioner for Energy Kadri Simson, European Commission.

THE WORLD BIOGAS EXPO 2023

THE WORLD BIOGAS SUMMIT

In numbers:



3,495 total registrants



157 exhibiting companies, representing 27 countries



Delegates from **119** countries from Europe, Africa, Asia, Australia and Pacific, Latin America, Middle East and North Africa, North America, South East Asia and Pacific Rim.



95% of visitors rated event good-excellent



751,581 social media impressions (Linked In-Twitter/X)



58 speakers

Keynote speakers:



Jennifer Sara, Global Director, Climate Change Group, **World Bank**



Tim Gould, Chief Energy Economist, **International Energy Agency (IEA)**



Amy Wong, Head of EMEA Energy Research, **Credit Suisse**



Hennadiy Zhuk, Director / Professor, **Gas Institute NAS of Ukraine**



Judith Marera, Founder and CEO, **Lanforce Energy**



Michael Ware, **Green Giraffe**



Leidiane Ferronato Mariani, Co-Founder of the **Mulheres do Biogás Network**, Founding Partner, **Amplum Biogás**



Nikhil Moghe, Partner **KPMG**



Dr Gerard J. Ostheimer, Global Lead for Sustainable Bioenergy, **Biofuture Campaign**



One of the best conferences I attend each year... it is a privilege to serve as a Council board member of WBA and represent such a quality organisation. We see it evidenced in the growth of our membership as well as the diversity of global attendees that come year after year to share their passion and experiences. I highly recommend the World Biogas Summit and Expo for anyone interested in the biogas sector and networking with some of the best and brightest in our industry.

Christopher Maloney, Entsorga.



New to the sector I found the World Biogas Expo both highly educational and inspirational! I am SO glad I attended, where else can we meet all the major players under one roof? The event was quite simply the best I have attended in many years.

John Cloughley, E4Structures Ltd.





WORLD BIOGAS ASSOCIATION | **INDIA CONGRESS 2023**
12-13 OCTOBER 2023 | HYATT REGENCY | NEW DELHI | INDIA



WBA hosted the inaugural **World Biogas Association INDIA Congress** in New Delhi on 12th-13th October.

Among the keynote speakers at the high-level event were Shri Hardeep Singh Puri, Honourable Minister for Petroleum and Natural Gas & Housing and Urban Affairs, and Shri Tarun Kapoor, Advisor to the Prime Minister, Government of India. They, alongside many esteemed speakers from around the world, spoke to the positive outlook for the future development of the biogas industry in India.

The two-day high-level event explored bioenergy as the key to a resilient and sustainable India, to serve as a beacon to other emerging economies, and the technologies available to harness the power of biogas in supporting India's ambitions to become an energy-independent circular economy.

Event profile:

Federal and State Government and C-Suite

Strategic Partner: Invest India

Speakers: 74

Delegates: 230

Countries: France, Germany, UK, Italy, and India

World Biogas Association India Congress 2023 Supporters

- Adani Total Gas Ltd
- Green Energy Renewables
- Indian Oil Corporation Limited
- Mahanagar Gas Limited
- Praj Industries Limited
- Ag-Grid Energy LLC, USA
- Qube Renewables
- Prodeval

www.india.wbacongress.org

KEYNOTE SPEAKERS AT THE WORLD BIOGAS ASSOCIATION INDIA CONGRESS 2023



Shri Hardeep Singh Puri

Hon'ble Minister for Petroleum and Natural Gas & Housing and Urban Affairs, Government of India



Shri Tarun Kapoor

Advisor to the Prime Minister, Government of India



Shrikant Madhav Vaidya

Chairman, Indian Oil Corporation Limited



Dinesh Dayanand Jagdale

Joint Secretary, Ministry of New and Renewable Energy, Government of India



Dr. Paolo Frankl

Head of the Renewable Energy Division, IEA



Ms. Nivruti Rai

Managing Director & CEO, Invest India



Engaging with leading international bodies

In 2023, WBA:

- Mobilised 60 signatories from the global biomethane sector calling on the World Resources Institute to reverse its Greenhouse Gas Protocol (GHGP) guidance. WBA is now one of the leaders of a coalition of trade associations that is continuing to lobby WRI to accept market-based mechanisms in the GHGP (see Chief Executive's Message).



- Was granted Official Partner status with the Climate & Clean Air Coalition.



Renewables 2023
Analysis and forecast to 2028

- Peer-reviewed the first ever biogas/ biomethane section of the IEA's annual report on global renewable energies, *Renewables 2023*.

- Was invited by the Indian Minister of Petroleum and Natural Gas to become a Founding Member of the Global Biofuels Alliance, alongside organisations such as the World Bank and the IEA.

- Became an Official Observer of the Global Bioenergy Partnership hosted by the Food & Agriculture Organisation of the UN.



- Became member of the Biofuture Campaign hosted by the Clean Energy Ministerial.

- Co-signed letters urging the European Commission to fully recognise imported biomethane and biomethane-based fuels in the upcoming Union Database for gaseous fuels, set to be launched by November 2024. The European Commission's current intention is to exclude certification for biomethane and related fuels transported through extra-EU grids.



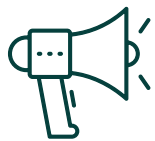


WBA Training Events 2023

WBA introduced a programme of training events to enhance participants' skills and knowledge in specific technical areas. It aims to improve job performance and is part of a developing programme structured to professionalise the industry.



- The WBA Digestate Upgrading
- WBA Training Plant Optimisation
- Biogas Upgrading Technologies
- Biogas from Wastewater
- Technical Aspects for Implementing a Successful Biogas Project
- Managing Summer Temperatures and Biological Health.



Raising the profile of the industry

- WBA was cited in 92 different publications across the globe with a combined audience of over 204M, covering Europe (UK, Ireland, Germany, Poland, Spain, Sweden, Switzerland), America (USA, Canada, Brazil, Colombia) and Asia (Hong Kong, UAE, Bahrain, Bangladesh, India).
- Particular traction was noted in 17 countries - US, Canada, Cuba, Guyana, Jamaica, UK, Spain, Germany, Austria, Sweden, Switzerland, Poland, Brazil, Colombia, India, Bangladesh, Bahrain.



- WBA research and reports were referenced in 8 scientific papers published on MDPI – with a combined reach of 184.6M!

- The World Biogas Association INDIA Congress 2023 and launch of the Global Biofuels Alliance at the G20 India (with WBA as a founding member) generated global coverage adding up to at least 33.5M reach.



- The global Biogas Channel reported the prestigious awarding of an OBE to Charlotte Morton, Chief Executive of the WBA. The honour was bestowed by Princess Anne at a distinguished ceremony held at Windsor Castle in February. The Princess is sister of HM King Charles III, who when Heir Apparent was an early adopter of anaerobic digestion at his Poundbury Estate.



Charlotte was awarded the honour for services to the development of the biogas industry in the Queen's Birthday Honours List 2022 – an annual tradition in which the monarch acknowledges meritorious service to the UK.

The AD plant at Poundbury Estate (<https://tiny.cc/ihbjxz>) now produces enough renewable gas for 7,500 houses mid-winter and 100,000 houses mid-summer.

WBA

With over 4,000 members across the globe, the WBA hosts the world's largest network of expertise in anaerobic digestion (AD) and complementary technologies, offering limitless opportunities to make professional connections and access to 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 enquiries;
- **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 and Member Meetings.

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 and WBA Membership from mgalbraith@worldbiogasassociation.org



Coming up in 2024

- WBA will deliver Phase I of two key pillars of the **#MakingBiogasHappen** programme, the Global Biogas Regulatory Framework and ADCS International, which are aimed at exponentially accelerating the rate of biogas deployment globally.
- Will present two policy abstracts to the G20 during Brazil's Presidency. WBA alongside partners ISWA, TERI and the Brazilian Institute of Waste Management, will work on two policy briefs focused on methane financing and diverting food waste from landfills, which will be used as evidence to draft policy recommendations for G20 officials.
- 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 continue to represent the industry at high profile international events and conferences around the world, including the Climate and Clean Air Conference 2024 in Nairobi, Kenya (21st to 23rd February), Global Methane Forum in Geneva (18th – 21st March), GBEP Bioenergy Week in Rome (17th-21st June), Clean Energy Ministerial in Iguazu Falls, Brazil (30th September – 3rd October) and COP29 in Baku, Azerbaijan (11th-24th November).



- WBA will continue representing the interests of the global biogas sector in key international partnerships and initiatives such as Global Biofuels Alliance, COP28 Waste to Zero initiative, Global Bioenergy Partnership to advance the biogas agenda.

- WBA will host its second World Biogas Association India Congress on 23rd and 24th October in New Delhi and its first World Biogas Association Brazil Congress on 3rd and 4th October in Rio de Janeiro to support the growth of these emerging biogas markets.

SAVE THE DATE!

ONE PLACE. TWO DAYS. THREE EVENTS.

THE WORLD BIOGAS EXPO

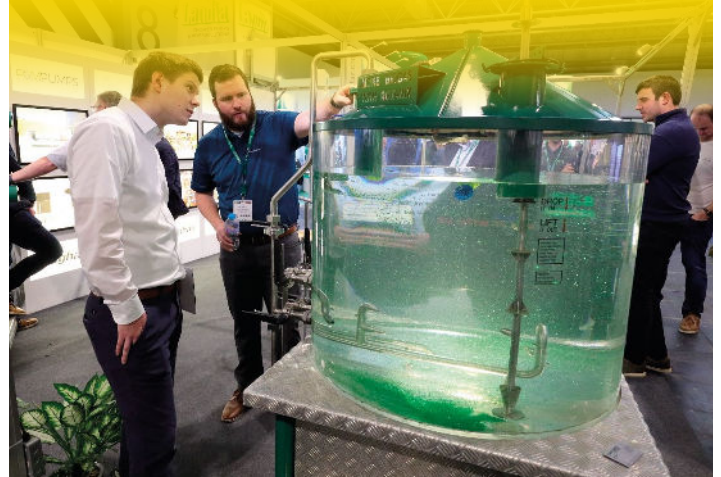
THE WORLD BIOGAS SUMMIT

AD AND BIOGAS INDUSTRY AWARDS

10-11 July 2024, NEC Birmingham, UK



Register here: www.biogastradeshow.com



- 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.

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



WORLD BIOGAS ASSOCIATION

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