

WORLD BIOGAS ASSOCIATION INDIA CONGRESS 2024

Hotel Le Meridien, New Delhi

23-24 October 2024

Silver sponsors



Programme

Day 1

8:00 – 9:30 Registration

9:30 – 10:45 Inaugural Address and Keynotes



Speakers:

- **Ms. Charlotte Morton OBE, Chief Executive, World Biogas Association (Chair/Moderator)**
- Mr. Tarun Kapoor, Advisor, PMO
- Mr. Shombi Sharp, UN Resident Coordinator, India
- Senior representative, international energy organisation
- Shri. Hardeep Singh Puri, Hon'ble Minister for Petroleum and Natural Gas (MoPNG) **(TBC)** OR Mr. Pankaj Jain IAS, Secretary, MoPNG, Govt. of India **(TBC)**
- Senior representative, Govt. of India
- Vote of Thanks: Dr. Pradeep Monga, Senior Advisor and Policy Director, World Biogas Association

The Government of India has reaffirmed its commitment to "green growth" with substantial investments in biogas and bio-CBG plants, as highlighted in the Union Budget 2024. In this opening session, Indian ministers and senior officials will outline the strategic approach to sustainable waste management, reducing carbon emissions and creating sustainable employment, laying the foundation for a national biogas roadmap.

10:45 - 11:00 Coffee Break

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11:00 – 12:00 Global Biofuels Alliance: Catalysing the Clean Energy Transition

Speakers:

- **Ms. Charlotte Morton OBE, Chief Executive, World Biogas Association (Chair/Moderator)**
- Mr. Pankaj Jain IAS, Secretary, MoPNG, Govt. of India (TBC)
- Senior representative, Govt. of India

The potential for biofuels is 20 times greater than what is currently being utilised. The Global Biofuels Alliance (GBA), established by India during its G20 Presidency, aims to address this gap. India, a leading member of this alliance and one of 12 founding members, is conducting a global mapping exercise to identify optimal feedstock sources for various biofuels, including biogas and SAF. This panel will discuss frameworks and partnerships to support scaling up of biofuels and catalysing the clean energy transition across regions.

12:00 – 13:00 The Circular Economy of Organic Wastes: A Multi-Billion Dollar Opportunity for the Indian Biogas Industry

Speakers:

- **Ms. Roopa Mishra IAS, Joint Secretary, MoHUA (Chair/Moderator)**
- Dr. Dilip Khare, Advisor Biogas, GGGI
- Dr. N. P. Singh, Senior Technical Adviser, UNIDO
- Senior representative, cities

India has launched an ambitious programme to transform waste management with a low-carbon approach, emphasising the circular economy principles of reduce, reuse, and recycle. By leveraging the strengths of the informal recycling sector, the programme aims to scale up and de-risk investments while developing a regulatory framework to ensure effective recycling of waste feedstocks. This session will explore support mechanisms and opportunities for national and international biogas developers, with the World Biogas Association providing a market update and highlighting growth prospects.

13:00 – 14:00 Lunch



14:00 – 14:45 CEO Forum: CBG Offtake and Supply Chain

Speakers:

- Mr. Ashu Shinghal, Managing Director, Mahanagar Gas

With Adani Total Gas and Reliance Industries committing \$1 billion each to biogas development in India, and Indian Oil and Suzuki India entering the biogas sector in a big way, this CEO panel will

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discuss key aspects of the CBG industry. The focus will be on strategies, challenges, and opportunities in CBG production, distribution, and consumption.

14:45 – 15:45 #MakingBiogasHappen / AD Certification Scheme Programme: Regulatory Framework and Certification to Stimulate India's Biogas Industry

Speakers:

- **Ms. Charlotte Morton OBE, Chief Executive, World Biogas Association (Chair/Moderator)**
- Dr. Sarika Jain, Policy Lead, #MakingBiogasHappen and World Biogas Association
- Mr. Flávio Ascenco, Technical Lead, ADCS International and World Biogas Association
- Ms. Manjot Kaur Ahluwalia, Regional Lead Asia, Global Methane Hub
- Senior representative, planning and permitting

The World Biogas Association's flagship #MakingBiogasHappen (MBH) aims to accelerate the development of policies, regulations, and standards needed to support the biogas industry. The MBH programme will provide a global biogas regulatory framework to assist policymakers and industry leaders in removing adoption barriers and designing the International AD Certification Scheme.

This session offers a unique opportunity to gain insights directly from Indian/International operators and investors about the entire biogas value chain and operations. Understanding industry perspectives is crucial for the growth and success of the biogas sector globally.

15:45 – 16:00 Coffee Break



16:00 – 17:00 Biogas Sector in India: Case Studies by the State Governments / Agencies / Municipalities / Public-Private Partnerships

Speakers:

- **Senior representative, government (Chair/Moderator)**
- Mr. M.P. Singh, Director, PEDDA
- Mr. Sanjay Ganjoo, Director-General, IFGE
- Senior representative, state government agency
- Senior representative, municipal corporation
- Senior representative, public-private partnership

Compressed Biogas has emerged as a promising clean energy source, contributing significantly to sustainable development, waste management and circular economy. Various state governments and agencies in India have taken initiatives to establish large CBG plants, showcasing successful business models that can be replicated across the country. This session will allow a few selected State Governments to share their experience and expectations in setting up new large CBG plants in their respective states.

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17:00 – 18:00 Financing Biogas: Incentives, Investments, and Carbon Markets

Speakers:

- **Senior representative, energy development (Chair/Moderator)**
- Ms. Bindu Lathwal, Project Director India, Futuria Fuels
- Senior representative, agriculture
- Senior representative, finance
- Senior representative, government agency
- Senior representative, consultancy
- Senior representative, carbon markets

The Government of India has committed to the phased mandatory blending of CBG in compressed natural gas (CNG) for transport and piped natural gas (PNG) for domestic use. Financial assistance will support biomass aggregation machinery procurement. This session will explore initiatives, preferential lending, international collaboration, and public-private partnerships for biogas development. The role of biogas projects in generating carbon credits and integrating biogas into the Carbon Credits Trading Scheme (CCTS) will also be discussed.

18:30 – 21:30 Networking Reception and Dinner

Day 2

09:30 – 09:45 Opening Remarks

Speakers: Ms. Charlotte Morton OBE, Chief Executive, World Biogas Association / Dr. Pradeep Monga, Senior Advisor and Policy Director, World Biogas Association



09:45 – 10:45 Ensuring Feedstock Availability, Aggregation, and Modelling Supply Chains

Speakers:

- **Dr. Abhilaksh Likhi IAS, Secretary, Department of Fisheries (Moderator/Chair)**
- Senior representative, Govt. of India
- Senior representative, sugar industry
- Senior representative, distilleries
- Senior representative, food and drink industry

Effective policy interventions for aggregating and capturing feedstocks are essential for India to achieve its biogas production goals. This session will explore successful global strategies, such as integrating bioethanol production from sugarcane with biogas production, supporting hub-and-spoke

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anaerobic digestion (AD) systems serving multiple farms, providing incentives for manure treatment, and imposing penalties on landfilling.

10:45 – 11:00 Coffee Break

11:00 – 12:00 Digestate: Co-products of Biogas and Value Chains

Speakers:

- **Senior representative, industry (Chair/Moderator)**
- Mr. Flávio Ascenco, Technical Support Manager, World Biogas Association
- Senior representative, Research institute
- Senior representative, government co-operative
- Senior representative, international
- Senior representative, statutory body

Digestate, a biofertiliser produced alongside biogas, offers a unique opportunity to enhance soil health and promote organic agriculture by replacing chemical fertilisers while supporting circular economy goals and creating an additional revenue stream for biogas producers.

This session will explore how the right pricing and quality of the digestate can accelerate this transition and address key challenges in establishing value supply and distribution chains for digestate.

12:00 -13:00 Fireside Chat with Biogas Operators and Investors

Speakers:

- **Senior representative, Govt. of India (Chair/Moderator)**
- Senior representatives of industry tbc



13:00 – 14:00 Lunch

14:00 – 15:00 Decentralised Community and Household Biogas Plants: Challenges and Opportunities

Speakers:

- **Senior representative, government (Chair/Moderator)**
- Professor Virendra Kumar Vijay, IREDA Chair Professor CRDT, IIT Delhi

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- Senior representative, government
- Senior representative, research
- Senior representative, clean cooking
- Senior representative, rural development agency

Biogas plants provide decentralised energy solutions, promoting rural electrification and reducing energy poverty. They improve the quality of life and create economic opportunities in rural communities by significantly reducing indoor air pollution compared to traditional biomass stoves.

This session will discuss the Indian government's National Biogas and Manure Management Programme (NBMMP), innovative practices, lessons learned, and the impact of various biogas projects on communities and the environment.

15:00 – 16:00 Scaling Biogas Technology Solutions: Innovative Breakthroughs and the R&D Ecosystem

Speakers:

- **Mr. Flávio Ascenco, Technical Support Manager, World Biogas Association (Chair/Moderator)**
- Mr. Y.B Ramakrishna, Head IFGE CBG Producer Forum, IFGE
- Senior representative, renewable energy company
- Senior representative, oil and gas company
- Senior representative, green energy
- Senior representative, technology

Research and development drive innovation in the biogas industry, leading to significant process, technology, and output improvements. Recent advancements include technologies that increase biomethane output by up to 60% through in-tank biological activity monitoring, enhanced digestate value in nutrient markets, and bio-CO2 capture for reuse. This session will showcase these breakthroughs and discuss the ADCS International certification scheme to set professional operation benchmarks.



16:00 – 16:30 Coffee Break

16:30 – 17:15 Mission Biogas : Mission Possible

Speakers:

- Senior representative, government (Chair/Moderator)

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- Mr. Gaurav Kedia, Chairman, Indian Biogas Association
- Ms. Nandita Bakshi, Chief Executive Officer, Bisnoui Sarvodaya Gramodyog Sewa Sansthan,
- Senior representative, industry

The biogas agenda in India is fragmented across various ministries, agencies, partners, and stakeholders. Developing a national biogas roadmap is essential to ensure synergies and harmonisation of policies at the national state and local levels, supporting regulatory frameworks and certification schemes, scaling investments, building skills and capacities and promoting public-private partnerships to achieve the national target of setting up 5,000 CBG plants by 2030. The MoPNG and WBA will jointly work to develop a National Biogas Roadmap to bring different stakeholders, experts, and agencies together for transforming the biogas sector by 2030. The session will put forward salient features of the proposed national biogas roadmap, multi stakeholders and inter-disciplinary approaches, and discuss huge opportunities as well as key challenges facing the biogas industry to actualise its potential by 2030.


17:15 – 17:45 Closing Remarks

Speakers:

- **Ms. Charlotte Morton OBE, Chief Executive, World Biogas Association**
- Dr. Pradeep Monga, Senior Advisor and Policy Director, World Biogas Association
- Senior representative, government
- Senior representative, government
- Senior representative, sustainable development agency

18:00 – 21:00 Networking Reception/Dinner

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