

**WORLD BIOGAS ASSOCIATION INDIA CONGRESS 2024**

Hotel Le Meridien, New  
Delhi 23-24 October 2024

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**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 (Welcome Remarks)
- Shri S.N. Yadav, Executive Director (CBG), GAIL India Limited
- Shri. Tarun Kapoor, Advisor, Prime Minister Office
- Shri. Shombi Sharp, UN Resident Coordinator, India
- Shri. Amitabh Kant, G20 Sherpa of India & Former CEO NITI Aayog, Government 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**

#### **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. Moez Cherif, Lead Energy Economist, World Bank
- Mr. Ghansham Deshpande, President Technology and Engineering, Praj Industries
- Mr. Sanjay Ganjoo, Director-General, IFGE
- Mr. Vivek Saxena, Principal Chief Conservator of Forests, Government of Haryana

*The potential for biofuels is 20 times greater than what is currently being utilized. 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 catalyzing the clean energy transition across regions.*

#### **12:00 - 13:00 Financing Biogas: Incentives, Investments, and Carbon Markets**

##### Speakers:

- **Ms. Jennifer Vishnoi, Financial Consultant (Chair/Moderator)**
- Mr. Anil Prashar, Senior Infrastructure Finance Specialist, World Bank
- Ms. Bindu Lathwal, Project Director India, Futuria Fuel
- Mr. Rajesh K Mediratta, MD & CEO, Indian Gas Exchange Limited
- Mr. Kuljit Popli, Country Manager - India, World Biogas Association & Former CMD, IREDA

*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.*

#### **13:00 - 14:00 Lunch**

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

##### Speakers:

- **Ms. Charlotte Morton OBE, Chief Executive, WBA (Chair/Moderator)**
- Dr. Debnath Mukhopadhyay, Chief Financial Officer, TruAlt Bioenergy Ltd
- Mr. Ashu Shinghal, Managing Director, Mahanagar Gas
- Dr. Tushar Patil, Assistant Vice President – Corporate Strategy, Praj Industries
- Mr. Nakul Sardana, Head-Technology & Strategy, Adani Group

*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 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 Biogas Sector in India: Case Studies by the State Governments / Agencies / Municipalities / Public-Private Partnerships**

##### Speakers:

- **Dr. Sangita M. Kasture, Advisor Bioenergy, MNRE (Chair/Moderator)**
- Mr. M.P. Singh, Director, Punjab Energy Development Agency (PEDA)
- Shri. Harendra Narayan, Commissioner, Bhopal Municipal Corporation
- Mr. Velmurugan, Executive Director (Research and Development), CEID Consultants and Engineering Pvt Ltd
- Mr. Mahesh Girdhar, Managing Director & CEO, Ever-Enviro
- Dr. Yogesh R Patel, Program Coordinator, Kaira District Cooperative, Amul

*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.*

#### **15:45 – 16:00 Coffee Break**

#### **16:00 – 17:00 #MakingBiogasHappen 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, Senior Technical Lead, ADCS International and World Biogas Association
- Ms. Manjyot Kaur Ahluwalia, Regional Lead Asia, Global Methane Hub

*WBA's flagship #MakingBiogasHappen (MBH) programme aims to accelerate the development of policies, regulations, and standards needed to support the biogas industry, providing 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.*

## 17:00 – 18:00 Decentralised Community and Household Biogas Plants: Challenges and Opportunities in India

### Speakers:

- **Dr Pradeep Monga, Senior Advisor and Policy Director, WBA (Chair/Moderator)**
- Professor Virendra Kumar Vijay, IREDA Chair Professor CRDT, IIT Delhi
- Dr. Gaurav Mishra, Senior Director / 'Scientist F', MNRE
- Professor Anubha Kaushik, Head of Centre for Sustainability and Climate Change, Guru Gobind Singh Indraprastha University (GGSIPU)
- Mr. Ashish Tiwari IFS, Secretary, Environment, Forest and Climate Change, Govt. of Uttar Pradesh

*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.*

## 18:30 – 21:30 Networking Reception and Dinner

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## Day 2

### 09:30 – 09:45 Opening Remarks

#### Speaker:

- Ms. Charlotte Morton OBE, Chief Executive, World Biogas Association

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

#### Speakers:

- **Mr. Upendra Tripathy Former Secretary to the Govt of India, MNRE (Chair/Moderator)**
- Dr. Sarika Jain, Policy Lead, #MakingBiogasHappen and World Biogas Association
- Lt Col Monish Ahuja, Managing Director, PRESPL
- Mr. Prince Gandhi, CEO, CEID Consultants and Engineering Pvt Ltd (TBC)

*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 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:

- **Mr. Shantanu Gupta, Executive Director (Alternate Energy & Sustainable Development), Indian Oil (Chair/Moderator)**
- Mr. Flávio Ascenco, Senior Technical Lead, World Biogas Association
- Mr. K. R. Raghunath, Founder & CEO KIS Group & Chairman - Asian Biofuels Association
- Mr. S.R. Meena, 'Scientist E', MNRE
- Dr. Rajiv Arora, Associate Professor, Shaheed Bhagat Singh State University

*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:

- **Mr Tanuj Sharma, Senior Assistant Vice-President, Invest India (Chair/Moderator)**
- Mr. Guru Inder Mohan Singh, CEO, CarbonCircle
- Mr. Ekasjyot Singh Barara, Founder & Director, LR Energy
- Mr Niroj Kr. Mohanty, Managing Director and CEO, CoreCarbonX.

### **13:00 – 14:00 Lunch**

### **14:00 – 15:00 The Circular Economy of Organic Wastes: A Multi-Billion Dollar Opportunity for the Indian Biogas Industry**

- **Mr. Binay Kumar Jha, Director Swachh Bharat Mission, MoHUA (Chair/Moderator)**
- Dr. Dilip Khare, Advisor Biogas, GGGI
- Dr. N. P. Singh, Senior Technical Adviser, UNIDO
- Mr. Atul Kharate, COO, Indian Oil Adani Ventures
- Mr. Anilraj Pise, Managing Director, Raj Process Equipments
- Mr. Marcello Barbato, Business Development, India, Prodeval

*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.*

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

### Speakers:

- **Smt. Esha Srivastava, Joint Secretary, MoPNG, Govt of India (Chair/Moderator)**
- Mr. Puneet Goel, Director, ICF
- Mr. Y.B Ramakrishna, Head IFGE CBG Producer Forum, IFGE
- Mr. Rajneesh Prasad, Founder & CEO, REVY Environmental Solutions
- Mr. Yash Agarwal, Co-Founder, Carbonetics Carbon Capture, SS Gas Lab Asia
- Mr. Varun Karad, Co-Founder, REnergy Dynamics Pvt Ltd

*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-CO<sub>2</sub> 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 – 17:30 Mission Biogas: Mission Possible

### Speakers:

- **Charlotte Morton OBE / Pradeep Monga, World Biogas Association (Chair/Moderator)**
- Mr. Gaurav Kedia, Chairman, Indian Biogas Association
- Col. Rohit Dev, Managing Director, Reveille Energy
- Mr. Raj Kapoor, Founder and CEO, India Blockchain Alliance
- Mr. Anil Dhussa, Senior Advisor, Gruner Renewable Energy
- Mr K.S. Popli, Country Director, WBA

*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 harmonization 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 to transform 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 actualize its potential by 2030.*

## 17:30 – 18:00 Closing Remarks

### Speakers:

- **Chief Guest - Mr. Pankaj Jain, Secretary, MoPNG, Government of India**
- **Ms. Charlotte Morton OBE, Chief Executive, World Biogas Association**
- Dr. Pradeep Monga, Senior Advisor and Policy Director, World Biogas Association

## 18:00 End of Event