**World Biogas eFestival**

**18th-21st May**

The World Biogas eFestival is a unique series of online interactive presentations by an international line-up of eminent speakers sharing their expertise and facilitated networking to achieve the common goal of:

- highlighting the use of biogas worldwide,
- sharing best practice,
- discussing new innovations,
- understanding the barriers preventing growth and policy contexts,
- identifying potential solutions,
- addressing questions around technological challenges and opportunities.

In addition, building on its 2019 report, *The Global Potential of Biogas*, the discussions and case studies presented at the World Biogas eFestival will contribute to developing a clear pathway to deliver the industry’s potential to reduce global emissions by 12% by 2030, and will feed into the next WBA report, *Biogas: Pathways to 2030*, which will be launched at the World Biogas Summit 2020, 7-8 October at the NEC in Birmingham, UK.

This is also an opportunity for us to celebrate our great industry, which contributes to human and environmental health, well-being, the growth of sustainable economies, from villages to cities, from farms to factories globally.

**Day 1 May 18th**

**9.30-9.45 GMT**

Welcome from President of the World Biogas Association, David Newman

**9.45-11.15 GMT**

The global view: Finance, Global Economics, and Sustainability in the post virus world

Building an industry capable of capturing and recycling all the organic wastes society produces into green energy, natural fertilisers and other valuable bioproducts will require trillions of dollars of investment. In a world ravaged by Covid-19, but facing the far bigger challenge of climate change, how can we ensure the industry can attract the investment needed to deliver its full potential, including the creation of 12-15 million green jobs?

**Confirmed speakers:**
Marc Sadler, Practice Manager, The World Bank
tbc, Morocco Ministry of Energy
Dr Charles W. Donovan, Executive Director, Centre for Climate Finance and Investment, Imperial College, London

**11.45-13.15 GMT (12:45 – 14:15 CET)**

The EU Green Deal: the transition of the European Economy

The EU is home to some of the largest biogas industries in the world, but it still has a long way to go to deliver its full biogas potential. Will the EU Green Deal create the policy framework necessary to unlock investment into the sector and deliver the industry’s decarbonisation potential across the EU member states by 2030?

**Confirmed speakers:**
Harmen Dekker, Managing Director, European Biogas Association
Alberto Rocamora Garcia, Policy Officer, Bioenergy Europe
Rebecca Groen, Director Biofuels, SHV Energy
14.00-15.30 GMT (16:00 – 17:30 CAT)
Building biogas in Africa: delivering deployment in diverse markets

The development of biogas markets in Africa is very diverse, bringing a range of opportunities and challenges. This session will explore this diversity, as well as look for commonalities that can facilitate growth across the region to deliver sustainable development and unlock the many benefits biogas has to offer.

Confirmed speakers:
Ronnie Ssejjuko, Renewable Energy Specialist, Peec Energy (Uganda)
Thomas Minter, Managing Director, Malaby Biogas
Hassan El Bari, President, Moroccan Association of Solid Waste
Alberto Borello, General Secretary, SABIA (South African Biogas Industry Association)

15.45-16.45 GMT (19:45 -20:45 GST)
Case Studies from the Middle East

Confirmed speakers:
Suad Said Al Hosni, Strategic Development Sector, Sultanate of Oman

17.30 close of day one

Day 2 May 19th

9.30-11.30 GMT (10.30 -12.30 CET)
Scandinavia: a blueprint for sustainability?

The biogas industries of Scandinavia are showcases of industry best practice in many areas, but how did they achieve such positive sustainability outcomes? This session will explore how these improved sustainability outcomes were achieved and the models, focusing on a strong financial business case, that got them there.

Confirmed Speakers:
Susanne Lindeneg, Special Consultant, Ressource og affaldsenheden, Københavns Kommune
Ole Hvelplund, Chief Executive, Nature Energy

11.45-12.45 GMT
Treating food waste in Europe: sharing experiences and preparing for separate collection by 2023

As the EU looks ahead to 2023 when all member states must implement separate collection of household food waste, the European AD industry must ready itself for the generation of new food waste feedstock. The effective implementation of this policy in the EU, and similar policy in the rest of Europe, is vital to ensuring that this valuable feedstock is treated in the optimal way – through AD. This session will explore lessons learnt from countries at the forefront of food waste recycling to understand how to effectively deliver these policies, and will look at the barriers to effective introduction to collectively identify solutions.

Confirmed speakers:
Rebecca Thompson, Policy Manager, ADBA
Marco Ricci-Jürgensen, Senior-Expert, CIC - Italian Composting and Biogas Association, Italy
13.00-15.00 GMT (08:00 -10:00 CST)
Emerging Latin American biogas markets

Budding biogas industries are now emerging across Central and South America. This session looks at the conditions necessary, including policy drivers, that are supporting this growth, the barriers to further rapid deployment and potential solutions required to deliver the industry’s full potential in these regions.

Confirmed Speakers:
Jorge Hilbert, Professional Consultant, INTA (Argentina)
Tamar Roitman, Executive Manager, Abiogas – the Brazilian Biogas Association
Rafael González, CEO, Cibiogas, Brazil

15.15-15.45 GMT (10:15 – 10:45 CST)
Case studies from Latin America and the Caribbean

17.30 close of day two

Day 3 May 20th

9.00-12.00 GMT (17:00 – 20:00 ACT)

Biogas potential in Asia and the Pacific

In this session we will hear from operators, associations and policy makers from across Asia. The potential to reduce CO2 in South East Asia alone could be as much as 1 billion tonnes with its palm oil business providing almost 90% of the global supply. If biogas digesters were able to treat the 126 million tonnes yearly of the POME bi-product the carbon savings would be huge. This region has enormous biogas potential and this session will explore the opportunities and the barriers that must be overcome.

Confirmed speakers:
Atma Ram Shukla, President, Indian Biogas Association
Vincent Choy, Chairman, Asia Pacific Biogas Alliance

14.00-15.45 GMT (09:00 – 10:45 CST)

Canada, and the USA: policies, perspectives, challenges and progress

Recent research from UCLA has shown the US has vast potential for producing RNG from waste, with the potential to generate 3.1-3.8 exajoules of renewable energy each year using currently available waste resources. This is enough to power the states of Washington and Oregon. Is America ready to harness this huge resource?

Confirmed speakers:
Amir Akbari, President & CEO, Anessa, Canada
16.00-17.30 GMT (08:00 – 09:30 PST)

Deep dive into the Californian biogas industry

The world’s fifth biggest economy has said biogas has the greatest potential for delivering net zero – and delivery will cost less than 0.5% of the state’s annual GDP. This session will explore the huge opportunity this presents, and how they intend to overcome the barriers to significant industry growth.

Confirmed speakers:
George Minter, Energy and Environmental Affairs Consultant, SoCal Gas
Roger Aimes, Senior Scientist Atmospheric, Earth, and Energy Division, Lawrence Livermore National Laboratory
Rebecca Boudreaux, President, Oberon Fuels
Michael T Bakas, Executive Vice President Distributed Energy Systems of Ameresco

17.30 close of day three

Day 4 May 21st

10.00-11.00 GMT
Incorporating biogas into climate action plans

Members of the Paris Climate Agreement, of the C40 Cities, and of many other international agreements on climate change, must publish action plans on how they intend to deliver their emissions targets. It is vital that biogas is included in these plans, because there is no net zero without biogas. This session will explore the role of major international organisations in encouraging their members (including nations and cities) to grow their biogas industries, treating food waste, farm wastes and sewage, to prevent methane emissions, displace fossil fuels, and produce a renewable biofertilizer.

Confirmed speakers:
Tomoo Machiba, Deputy Director, UN Climate Technology Centre & Network (CTCN)
Ricardo Cepeda-Márquez, Technical Lead - Food, Water & Waste Programme, C40 Cities Climate Leadership Group

11.00-13.00 GMT
The nuts and bolts

It is vital that as we develop the global biogas industry, it grows in line with industry best practice, utilising the best operational knowledge from around the world. This session will look at equipment throughout the industry supply chain, from CHP engines and pumps to heat exchangers, flaring, monitoring and testing equipment.

Confirmed speakers:
Alex Marshall, Group Marketing and Compliance Director, Clarke Energy

14.00-15.30 GMT
Biogas upgrading and CO₂ valorisation

As we look to the future of our industry, capture and use of bio-CO₂ could bring us from a carbon neutral to a carbon negative technology. This session will explore the growing prominence of biomethane in our industry, as well as latest innovations in CO₂ valorisation.

Confirmed speakers:
Fabiana Fantinel, Managing Director, InnoExc

**15.45-18.00 GMT**

Closing remarks and Networking drinks

This session marks the end of the World Biogas eFestival and will look at the conclusions from the packed agendas of the previous four days. We will discuss WBA work going forward, including how the discussion from the festival will feed into the WBA’s next report, *Biogas: Pathways to 2030*, and how we move forward together. And we will conclude with a BYOB drinks reception at your desk!

Confirmed speakers:
- Chief Executive of WBA, Charlotte Morton
- Chair of the WBA’s PITC committee, Dr. Keith Simons, Principle Scientist, SHV
- Senior Policy Manager of WBA, Rebecca Thompson

**18.00pm close of World Biogas eFestival 2020**