



## 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 - 18th May

#### 9.30-9.45 BST

**Welcome from President of the World Biogas Association, David Newman**

#### 9.45-11.15 BST (10:45 -11:45 CEST)

**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

Janez Potocnik, former EU Commissioner, Vice Chair of UNEP Resource Council

Marc-Antoine Eyl-Mazzega, Energy Director, IFRI Centre for Energy & Climate –(TBC)

Galin Gentchev, Policy Officer Bioenergy and Bioeconomy, European Commission –(TBC)

#### 11.45-13.15 BST

**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  
Mohamed Bernannou, Adviser to the Minister of Energy, Kingdom of Morocco,  
Dr Charles W. Donovan, Executive Director, Centre for Climate Finance and Investment, Imperial College (UK) Chair  
United Nations Framework Convention on Climate Change (UNFCCC), speaker name to be confirmed

**14.00-15.30 BST (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:

Thomas Minter, Managing Director, Malaby Biogas Chair  
Hassan El Bari, President, Moroccan Association of Solid Waste  
Alberto Borrello, Secretary General SABIA Southern Africa Biogas Industries Association  
Annelize van der Merwe, Director: Green Economy Industries, Investment South Africa, Department of Trade & Industry  
Luca Tasciotti, Senior Lecturer in Economics, University of Greenwich (Rwanda)

**15.45-16.45 BST (19:45 -20:45 GST)**

**Biogas Potential in the Middle East, a case study**

Confirmed speakers:

Suad Said Al Hosni, Strategic Development Sector, Sultanate of Oman

**17.30 BST - Close of day one**

**Day 2 - 19th May**

**9.30-11.30 BST (10.30 -12.30 CEST)**

**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, Senior Adviser, Resource and Waste Unit, City of Copenhagen  
Ole Hvelplund, Chief Executive, Nature Energy  
Bruno Sander Nielsen, COO, Danish Biogas Association  
Johnny Stuen, Technical Director, Waste-to-Energy Agency, City of Oslo

**11.45-13:15 BST (12:45 -14:15 CEST)**

**Treating food waste in Europe: sharing experiences and preparing for separate collection by 2023**

As the EU looks ahead to 2023 when all members 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 (UK) Chair

Marco Ricci-Jürgensen, Senior-Expert, CIC, Italian Composting and Biogas Association (Italy)

Dr Andy Rees OBE, Head of Waste Strategy Resource Efficiency and Circular Economy Division, Welsh Government

Percy Foster, Managing Director CRE' Compost and Biogas Association, Ireland

Ricardo Castro, Research Director, Ecoparc of Abrunheira, Tratolixo, Portugal

Bernat Chiula Peris, Director of Analysis and Research, Genia Energia, Spain

Martin Steiner TBU Environment Consultants and Florian Amlinger, Director of Compost – Consulting & Development, Austria

**13.30-15.00 BST (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, National Agricultural Technology Institute, INTA (Argentina)

Gabriel Kropsch, VP, Abiogás, the Brazilian Biogas Association

Rafael González, CEO, Cibiogás, Brazil

Marta Kamola-Martines, Head of Biogas, Strategy Department, Engie

**15.15-15.45 BST (10:15 – 10:45 CST)**

**Case studies from Latin America and the Caribbean**

**17.30 BST - Close of day two**

**Day 3 - 20th May**

**9.00-10.30 BST (17:00 – 18:30 ACT)**

**Biogas potential in India**

India imports massive amounts of oil and gas. Through the Swachh Bharat Mission the government is seeking to create fuel locally to offset oil imports, and biogas has huge potential within this role. This session will hear from various organisations seeking to develop this potential.

Confirmed speakers:

Atma Ram Shukla, President, Indian Biogas Association

Gangagni Rao Anupoju, Senior Scientist, Indian Institute of Chemical Technology (IICT)

Alex Marshall, Group Marketing and Compliance Director, Clarke Energy

**10.30-12.00 BST (18:30 – 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 CO<sub>2</sub> 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 bioproduct 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.

**Asia and the Pacific:**

Vincent Choy, Chairman, Asia Pacific Biogas Alliance  
Takuya Matsubara, Representative Director, Epower Corp / Japan Biogas  
Craig Jamieson, Director, Straw Innovations Ltd, (Philippines)

**14.00-15.45 BST (08:00 – 09:45 CDT)**

**The USA, and Canada 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:

Chellie Pingree, Congresswoman, United States House of Representatives  
Robert DiDiodato, Business Development, Anessa (Canada)  
Chris Maloney, Global Head, Organics Division, Eisenmann Corporation  
Patrick Serfass, Executive Director, American Biogas Council

**16.00-17.30 BST (08:00 – 09:30 PDT)**

**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 BST - Close of day three**

**Day 4 - 21st May**

**9.00-11.45 BST**

**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:

Kevin Monson, International Sales Manager, Weltec Biopower  
John Booth, Managing Director, Wangen Pumps



**12.00-14.00 BST**

**Biogas upgrading and CO<sub>2</sub> valorisation**

As we look to the future of our industry, capture and use of bio-CO<sub>2</sub> 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 CO<sub>2</sub> valorisation.

Confirmed speakers:

**14.15-16.15 BST**

**Incorporating biogas into climate action plans**

Signatories to the Paris Climate Agreement must publish action plans on how they intend to deliver their emissions targets. Biogas can contribute to net zero emissions. This session will explore the role of major international organisations in encouraging their members (including nations and cities) to develop their climate policies, for example treating food waste, farm wastes and sewage, to prevent methane emissions, displace fossil fuels, and produce renewable biofertilizer.

Confirmed speakers:

David Newman, President World Biogas Association, Chair

Tomoo Machiba, Deputy Director, UN Climate Technology Centre & Network (CTCN)

Ricardo Cepeda-Márquez, Technical Lead - Food, Water & Waste Programme, C40 Cities Climate Leadership Group

Sandra Mazo-Nix, Coordinator - Waste Initiative, Climate & Clean Air Coalition (CCAC) Secretariat

CTCN Case Study: Jaime Martí Herrero, Universidad regional Amazónica Ikiam (Ecuador) and International Centre for Numerical Methods in Engineering (CIMNE, Spain) "Biogas technology applications for small and medium farmers in Latin America"

**16.30 - 16.50 BST**

**Outlook for biogas and biomethane: Prospects for organic growth, a World Energy Outlook special report.**

Pharoah Le Feuvre, Energy Analyst, IEA

Pharoah will give us an overview of the report, which examines the potential for supply and demand up to 2040 and assesses the potential role of these gases in transforming the global energy network. "The case for biogas and biomethane lies at the intersection of two critical challenges of modern life" – the need to process ever increasing quantities of organic waste and the necessity of reducing GHGs. The report also looks at how policy makers and the industry can meet the challenges and utilise the opportunities in developing this sector.

**16.50 – 17.30 BST**

**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

Pharoah Le Feuvre, Energy Analyst, IEA



18.00pm BST - Close of World Biogas eFestival 2020