

Future of Biogas Europe 2019

Ensuring the Future of Anaerobic
Digestion & Biogas Optimisation

13th - 14th November 2019

Amsterdam, The Netherlands

KEY TOPICS

- Implications of Recent Developments in the EU Legislation
- Digestate Processing & Management
- Addressing Feedstock & Sustainability Challenges
- Biogas Upgrading – New Developments in Upgrading Techniques & Technologies

- Future of Financing
- The Biorefinery Approach to Creating Chemical Building Blocks, Biopolymers & Additives from waste
- Future Role of Biogas
- Biogas for the Transport Sector
- Biogas from the Landfill & Wastewater Treatment Sector

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More information or Registration:
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Commercial Opportunities
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ACI's is excited to bring Future of Biogas Europe 2019 to the Netherlands. The World Biogas Association estimates that by 2020, the biogas sector in the Netherlands has the potential to produce 1.2 billion m³ of biogas or 0.75 billion m³ of biomethane, increasing to 3.7 billion and 2.2 billion m³ respectively by 2030 (Green Gas Forum, 2014). Significant growth is expected in biogas from manure, sewage sludge, grass and seaweed.

The conference will bring together senior executives & experts from the full value chain to provide a forum for all parties active in the field of anaerobic degradation of organic matter & renewable energy production in the form of biogas. The European biogas market is set to witness strong growth on account of growing focus toward decarbonizing the energy sector supported by a multitude of legislative schemes and policies. Increased production and use of biogas to support the circular economy and renewable energy mix will stimulate the industry growth in the region.

According to recent report published by Global Market Insights, Inc. says Europe Biogas Market is expected to surpass USD 6 Billion by 2025.

Who Should Attend:

Biogas production companies, Biogas technology suppliers, Energy & utility companies, Waste to energy project developers, Policy makers, Waste water treatment specialists, Biomass producers, Waste management specialists, Technology development & solution providers, National/local governments & Industry/manufacturing investing in biogas facilities, Green Energy Financial & Investment firms, Research & Academic Organisations, High Energy Using Industries, Consultants & Analysts.

Opportunities to Meet Your Target Audience:

A wide variety of commercial & sponsorship opportunities available - for more information please contact:

Hubert Sosnowski

Tel: +48 (0) 61 646 7059 or

Email: Hubert@acieu.net

Host City of Amsterdam:



Why Attend This Event?

- Hear from high profile speakers sharing their knowledge and expertise
- Network with the industry leaders from the whole value chain
- Discover the latest technology innovations
- Participate in Q&A panel sessions

Confirmed Topics for Discussion:

- Implications of Recent Developments in the EU Legislation
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- Future of Financing
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Registration is Simple:

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DAY 1

Wednesday 13th November 2019

08:00 REGISTRATION & COFFEE

09:00 CONFERENCE CHAIR OPENING REMARKS

SESSION ONE

09:15 Implications of Recent Developments in EU Legislation

- Expected impact of RED II on the biogas/biomethane industry: focus on heating and transportation fuel use (advanced fuel category)
- Circular economy package - impact on utilisation of digestate
- Gas Package - "greening" the gas grid – Next steps



Senior Representative
European Biogas Association (EBA)

The Role of Biogas in Sustainable Development



Kees Kwant
Senior Expert Bioenergy & Biobased Economy
RVO: Netherlands Enterprise Agency



Andreas Guth
Policy Director
Eurogas

11:05 MORNING REFRESHMENTS

SESSION TWO

11:35 Digestate Processing & Management

- Examining new opportunities for agricultural digestate valorisation
- Technological evaluations - Latest advances to separate, treat, store & transport digestate
- European regulations, legislations & standards for anaerobic digestate
- Novel uses for digestate - Exploring opportunities in the chemical & cosmetic industries

The Latest Technological Developments in the Digestate Processing Industry & the Results of the NoAW Project Supported Under EU Program H2020



Michael Köttner
Managing Director
IBBK

Digestate in UK: End of Waste & Land Spreading Efficiencies?



Thomas Minter
Managing Director
Malaby Biogas Ltd

CONFERENCE PRESENTATION

12:50 The Role of an Indirect, Low Temperature Gasifier in a Biorefinery

- The product gas contains syngas but also valuable chemicals like BTX and ethylene;
- The product gas is undiluted and suitable for subsequent chemistry;
- The high carbon utilization improves the overall efficiency and economics, also on smaller scale;
- The syngas can be converted to a variety of products including Methanol and Fischer-Tropsch fuels;
- After reforming, the syngas can be converted into Synthetic Natural Gas;
- A demonstration plant is in preparation to convert 1000 kg of demolition wood into 300 m3 SNG per hour;
 - o to supply to 1400 households



Stephan Janbroers
Senior Business Developer
Biomass & Energy efficiency
TNO

13:35 NETWORKING LUNCH

SESSION THREE

14:35 Biogas Upgrading – New Developments in Upgrading Techniques & Technologies

- Optimising the upgrading process – Latest developments
- Lowering investment costs & operational costs
- Developing Liquefied Biomethane (LBG) Markets
- Upgrading, liquefied & transportable
- Growing the market for Liquid Biomethane
- Implications of transportable biogas for off grid locations



Håvard Wollan
CEO
Biokraft AS



Erik Draber
Senior Account Manager
Biothane

16:25 **AFTERNOON REFRESHMENTS & NETWORKING**

SESSION FOUR

16:55 **Future Role of Biogas**

- How will biomethane use will be divided among the possible market users?
- New & novel technical developments
- Vision of the future agricultural biogas plant - Finding the right balance of scale
- The role of biogas in the future energy grid

Biomethane for Heating & Transportation – Reaching Climate Goals in the Most Economical Way

- A most recent study has calculated which renovation option (insulation, heat pump, CHP, condensing boiler; power, natural gas, biogas, wood pellets) in the residential heating sector saves how many tons of CO2 at which costs. It turned out that in many cases condensing boilers with biogas are the most economical way to decarbonize the residential heating sector
- Calculating the life cycle costs and emissions of a variety of car usages (different sizes, mileages, fuels) showed that e-mobility is rarely the climate-friendliest option of mobility, and almost always the most expensive option. In most cases CNG cars fueled with biogas have both the lowest costs and highest carbon savings



Harald von Canstein
Head of Biotechnology
E.ON Bioerdgas GmbH



Jean-Marie Gauthey
Head of European Affairs
GRDF



Ole Hvelplund
Director
Nature Energy



Martijn Theelen
Business Developer
Gasunie New Energy

18:10 **CLOSE OF DAY ONE**

DAY 2

Thursday 14th November 2019

08:30 **REGISTRATION & COFFEE**

09:00 **CONFERENCE CHAIR OPENING REMARKS**

SESSION FIVE

09:05 **Future of Financing**

- Financing of biogas/biomethane investments – working with investors to establish investment criteria
- Commodification of biogas – Understanding the full value of biogas production & utilisation
- Maximising value and transparency with certification schemes & trading
- Life after feed in tariffs and subsidies
- Effects of consolidated marketplace

10:20 **PANEL DISCUSSION**

Addressing Feedstock & Sustainability Challenges

- Determining factors when choosing size of plant & location
- Examining the environmental impact of biogas
- Maximising biogas yields & feedstock productivity
- Environmental & socioeconomic benefits to the community
- Farmers perspective on biogas & digestate production



Kees Kwant
Senior Expert Bioenergy & Biobased Economy
RVO: Netherlands Enterprise Agency

11:05 **MORNING REFRESHMENTS & NETWORKING**

SESSION SIX

11:35 **Biogas for the Transport Sector**

- Cost of the biomethane for auto use, vs other fuels. Need of incentives? Who pays??
- Reliable forecast volumes of biogas & biomethane for 2025 & 2030
- Infrastructure for road transport, status & development
- Life cycle assessment (LCA) of biogas as a fuel for transport compared with alternative fuels



Jeroen Meiberg
Financial Director
Orange Gas



Lorenzo Maggioni
Head of Research & Development
Consorzio Italiano Biogas



Rodica Faucon
Expert - Advanced Energy &
Environmental Impacts for Transport
Sector
**Renault - Research & Strategy
Division**

Last Year's Attendees Included:

STX Group * FLOGAS BRITAIN LTD * TOTAL * Cellwood Machinery AB * BP * Pöyry Management Consulting Oy * Nature Energy Green Gas Sales A/S * EDF * Element Markets LLC * Marubeni Europe Plc. * NEDGIA * CM Biomass * BioMCN B.V. * Daimler AG * Carbon Limits * BD Environmental Solutions * Swiss Association of Gas Industry * N.V. Nederlandse Gasunie * Universitat Politecnica De Catalunya * Galp Power * Pitpoint * GasTerra * Tekfen Construction And Installation Co.,Inc. * OX2 Biogas AB * Fluxys S.a. * Sychem SA * Cadent * BayWa R.e. Green Energy Products GmbH * National Physical Laboratory * DMT Environmental Technology * Element Markets * Dansk Gas Distribution A/S * Krieg & Fischer Ingenieure GmbH * John Laing Capital Management * International Biogas and Bioenergy Center of Competence (IBBK) * Wyke Farms * Orange Gas * Good Energy * Malaby Biogas Ltd * Bateau BV * Veolia Water Technologies Techno Center Netherlands B.V. * ERGaR * Landwaerme * Ammongas A/S * Westport Fuel Systems * AFS Energy * Volvo * Green Gas Certification Scheme * E.ON Bioerdgas GmbH * European Biogas Association (EBA) * Renault Group - Alliance Research Division * REA * Dansk Fagcenter for Biogas * Future Biogas * Nature Energy * GRDF * Clearfleau Ltd and many more...

13:25 NETWORKING LUNCH

SESSION SEVEN

14:25 Biogas from the Landfill & Wastewater Treatment Sector

- Analysis of food waste management policies, progress so far
- Developing new substrates & more effective conversion technologies
- Developments with sewage sludge & wastewater treatment plants
- Optimising the extraction of landfill gas



Francesco Ometto
Research & Development Manager
Scandinavian Biogas Fuels AB

16:15 CONFERENCE CHAIR CLOSING REMARKS

16:25 END OF CONFERENCE & AFTERNOON REFRESHMENTS

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MLampropoulou@acieu.net

<http://www.acieu.net>

Postal Address:
ACI Europe, 10 Gough Square, London, EC4A 3DE, UK

Registration Is Simple

Conference (Includes Access to All Documentation)
13th & 14th November 2019

£1,695.00
(ex..VAT)

Documentation Packet Only

£470.00

Please Note.

Members and customers of all supporting organisations are entitled to a discount off their conference package.

For more information please call +44 (0) 20 3141 0607.

Documentation Packet Available

We are selling the Future of Biogas Europe 2019 papers at just £445 (+£25 P&P). Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This important manual will be a source of invaluable reference for the future.

About ACI

ACI, a UK owned company, has been running successful conferences in the USA since 1999. Headquartered in Chicago with offices all around the States, ACI opened its European head office at the end of 2005 and has expanded rapidly, launching a series of events in key industries including maritime, energy, oil & gas, cosmetics, chemicals & media.

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Discounts are available for multiple/group bookings. Please call **Mado Lampropoulou** on +44 (0)20 3141 0607 for more information.

Cancellations

Substitutions are welcome up to 24 hours prior to the event. Cancellations must be received in writing no less than 3 weeks prior to the start of the conference; a full credit voucher towards a future ACI conference will be issued. Any cancellation received less than 3 weeks prior to the start of the event shall be deemed to be a breach of this contract by client, and accordingly, no credits will be given. Cancellations must be received in writing by mail or fax three weeks before the conference. Thereafter the full conference fee is payable. If for any reason ACI Europe Ltd decides to amend, cancel or postpone this conference, the conference fee will not be refunded. Furthermore, ACI Europe Ltd will not be responsible for covering airfare, hotel or other costs incurred by registrants. In the event that ACI Europe Ltd cancel or postpone the event, ACI Europe Ltd reserves the right to transfer this booking to another conference to be held in the following twelve months, or to provide a credit of an equivalent amount to another conference within the following twelve months. The construction, validity and performance of this agreement shall be governed in all respects by the laws of England to the exclusive jurisdiction of whose courts the Parties hereby agree to submit.

Accommodation

The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate in due course.