



biogas13

4th and 5th of December | WIFI St. Pölten



biogas13

The Austrian Biogas Congress

The Austrian Compost & Biogas Association organize again the Austrian Biogas Congress, supported by klima:aktiv, the climate protection initiative of the Ministry of Life. More than 500 participants are expected this year.

Venue:

**WIFI St. Pölten
Mariazeller Straße 97
A-3100 St. Pölten**

Date:

4th and 5th of December 2013

Partners:



Das Programm Cluster Niederösterreich wird mit Mitteln aus dem Europäischen Fonds für regionale Entwicklung (EFRE) und Mitteln des Landes Niederösterreich kofinanziert.





Preface

Currently the second big change of the energy supply sector is going on. Within centuries, the energy supply was done by renewable and decentralized energy sources. The last century was dominated with an extreme shift to central power production based on fossil and nuclear sources. Due the consequences of climate change, the scarcity of fossil fuels and the associated drain of purchasing power, a refocusing on renewable and decentralized energy production is going on. The focus is clear: the second energy revolution. In the middle of the current century, the change to a sustainable and renewable energy system will be nearly completed.

Every renewable energy source has to play his regional and functional specific part. Biogas technology can and will assume different functions. Substrates like energy crops, organic wastes, byproducts of food, feed and beverage industry as well as by products of agriculture will provide safe and predictable energy supply. Additionally, these substrates can deliver essential duties at climate and ground water protection as well as waste prevention.

On the other side, biogas has a high availability of energy production. Hence, biogas can contribute to secure energy supply or to stabilize power grid. As well as producing heat and second-generation biofuel lead to high environmental effects.

The Federal Ministry will help to set up the conditions in a way to achieve our aims. Therefore, the klima:aktiv program* provide an important contribution.

Enjoy yourself at the biogas congress, yours

Günter Liebel

Departments Head of „General Environmental Policy“,
Federal Ministry of Agriculture, Forestry, Environment and Water Management

* The program „klima:aktiv biogas“ is part of the climate protection initiative of the Ministry of Life (Federal Ministry for Agriculture, Forestry, Environment and Water)

Accepting challenges – Looking for Possibilities

Since several years, some biogas plant operators are already working with alternative substrates, cooperatively with the industry and science. Influenced by regional conditions, manure, summer and winter cover crops or straw from maize or rapeseed can be used. The wide ranges of possibilities are unfortunately combined with challenges. Even if some problems aren't easily to solve, the speakers at this biogas13 congress will identify solution concepts.

Completely different are the challenges in the processing of organic waste. Especially at the area of extraneous materials, at their prevention and removal. These aspects will be taken into account at the biogenic wastes session. Despite the high requirements at the construction and operation of biogas plants, farmers show a high interest in „small biogas plants“ for manure digesting . With the session „small biogas plants“, we will also accompany this process and give suggestions.

That biogas technology does not end with the production of biogas show further three sessions clearly: In „Biomethane Regions“, „additional products“ and „biomethane“ the importance will be shown.

The „well established“ soiree will provide an excellent opportunity for networking with partners in the biogas sector to discuss intensely and exchange ideas.

The second day is reserved for the working group biogas (only for participants of the working groups). After presentations with selected topics, the years-end session will be appropriate for discussions.

As like in the past years, we naturally want to use the time for discussions regarding the upcoming political challenges and possible solutions.

We looking forward to your participation in St. Pölten on 4th and 5th of December! We guarantee interesting presentations, discussions and, not forgetting, a familiar and profitable come-together.



Nobert Hummel
Chairmann Biogas



Franz Kirchmeyr
Head of klima:aktiv biogas



Robert Tulnik
CEO

Programme



4th December 2013

Welcome and Introduction

09:00
a.m. Hubert Seiringer, Norbert Hummel, Franz Kirchmeyr
ARGE Kompost & Biogas Österreich
Präsidentin BR KommR. Sonja Zwanzl
Präsidentin der Wirtschaftskammer Niederösterreich
Abg.z.NR Präsident Hermann Schultes
Präsident der Landwirtschaftskammer Niederösterreich
Peter Traupmann
Austrian Energy Agency
Regionale Energielösungen erfassen und bewerten
Alexandra Pehlken, Universität Oldenburg

10:00
a.m. Break

Session I: Feedstock

10:30
a.m. Mehr Methan durch Pilze
Ulrike Schimpf, Humboldt Universität zu Berlin
Feldreste in Biogasanlagen nutzen
Josef Höckner, BioG Industrie-Anlagenbau GmbH
Effiziente und verschmutzungsfreie Erntelogistik
Thomas Reiter, Alois Pöttinger Maschinenfabrik GmbH
Ligninhaltige Substrate mit dem IFBB Verfahren verwerten
Michael Wachendorf, Universität Kassel
Zellulosehaltige Substrate mit dem Turbo-Festbettfermenter aufschließen
Jürgen Beck, F10 Forschungszentrum für Erneuerbare Energien

12:20
a.m. Discussion

Session II: Small Biogas Plants

10:30
a.m. Entwicklung einer Kleinbiogasanlage
Hermann Wenger-Oehn, Industrieconsult Wenger-Oehn OG
Konzepte für Erweiterungen bei bestehenden Anlagen und
Kleinstbiogasanlagenbau
Franz Schweitzer, Hörmann Interstall GmbH&CoKG
Besonderheiten im Genehmigungsverfahren bei kleinen Biogasanlagen
Bernhard Mayr, EnviCare GmbH
Umsetzung einer Hofbiogasanlage mit 7 kWel
Stephan Hinterberger, Müller Abfallprojekte GmbH
Gendergerechter Zugang zu Hofbiogasanlagen
Wolfgang Baaske, Studia Schlierbach

12:20
a.m. Discussion

12:30 Lunch
a.m.

Session III: Bio-Methane Regions (in english)

www.bio-methaneregions.eu



Co-funded by the Intelligent Energy Europe Programme of the European Union

- 10:30 a.m. Introduction and Welcome
Herbert Greisberger, eNu
- The Evolution of the European biomethane legislation and market
N.N., EBA
- The genesis of Biomethane-Regions and some of the key outputs from the project
Andy Bull, SWEA
- Merits of the key current technologies for biogas to bio-methane gas upgrading
Michael Harasek, TU-Wien
- Presentation of the Video “Decentralized Biogas model for local energy supply in Denmark”
Leif Raun, VFL
- Biogas grid injection in Arcy Farm, an agricultural biomethane project in France
Valerie Borroni (RAEE), Simone Hurschka (AILE), Mathieu Lefebvre (Air Liquide)
- Bio-methane in transport with experiences from the Municipality of Växjö
Hannele Johansson, Energiekontor Sydost
- Importance of process monitoring in optimising biogas production
Sandra Exteves, University of South Wales
- The BIOMASTER project, Biomethane for Transport: challenges and results
Stefano Proietti, ISIS
- Interactive session between Biomethane Regions experts and attendees
Sascha Flesch, LEV
- 03:15 p.m. Conclusion
Andy Bull, SWEA

Session IV: FABbiogas

www.fabbiogas.eu



Co-funded by the Intelligent Energy Europe Programme of the European Union

- 10:30 a.m. Biogas in der Lebensmittel- und Getränkeindustrie
Günther Bochmann, BOKU Wien
- Praxisbeispiele aus Deutschland –
Vergärung organischer Reststoffe der Lebensmittelindustrie
Gunther Pesta, ATRES
- Kreislaufwirtschaft in der Lebensmittelindustrie
Marcel Blum, AAT
- Energieautarke Lebensmittelindustrie –
Realisierung eines innovativen Abfall- und Energiekonzepts
Marcus Ortner, BOKU Wien
- Fördermöglichkeiten im Biogassektor
Christoph Walla, KPC

12:30 a.m. **Lunch**

Session V: Biomethane

- 02:00
p.m. Biomethan im BioGrace-Rechentool
Nikolaus Ludwiczek, Bioenergy 2020+
Anwendungen der Methanogenese zur Biogasveredelung und Stromspeicherung
Simon Rittmann, Krajete GmbH
Reduzierung der Treibhausgase aus dem Verkehr – praktische Erfahrungen
Roland Bartosch, Beratender Ingenieur
Entwicklung der CNG-Technik in LKWs und Bussen
Gerald Puffitsch, Scania Österreich GmbH
- 03:20
p.m. Discussion

Session VI: Biogenic Wastes

- 02:00
p.m. Soziale Milieus und Abfalltrennung
Bertram Barth, Integral Markt- und Meinungsforschungs GmbH
Potenzial biogener Abfälle – derzeitige Verwendung und Zielpfade
Nina Spatny, Lebensministerium
Innovative Sammellogistik
Hubert Schmied, Bios1 GmbH
Ergebnisse aus dem Projekt „Biowaste4Energy“
Hubert Seiringer, Seiringer Umweltservice GmbH
- 03:20
p.m. Discussion

Session VII: Additional Products (Heat, Digestate)

www.biogasheat.org

BIOGASHEAT



Co-funded by the Intelligent Energy Europe Programme of the European Union

- 02:00
p.m. Die Rolle von Biogasanlagen in einem integrierten Energiekonzept.
Christof Amann, e7 Energie Markt Analyse GmbH
Wärmevermarktungsstrategien: Verschenden – Verschenken – Verkaufen?
Stefan Amann, e7 Energie Markt Analyse GmbH
Effizienzsteigerung bei der Nahwärme
Christian Engel, Thermaflex-Flexalen Rohr- und Isoliersysteme GmbH
Wirkung von Biogasgülle und Gärrückständen auf die Bodenqualität
Georg Dersch, AGES
- 03:20
p.m. Discussion

Plenum and Conclusions

- 04:00
p.m. Ermittlung der Betriebskosten 2006 als Basis für den Betriebskostenzuschlag
Harald Proidl, Energie-Control Austria
Wirkungsgradentwicklung bei BHKWs
Günther Herdin, Professional Gas Engine Solutions GmbH
Technische Möglichkeiten zur Einbindung von Biogasanlagen
in den Regelenergiemarkt
Viktoria Gass, Verbund AG
Energie- und CO₂ Bilanz von Bio-CNG
Peter Stiegler, energiewerkstatt
iLUC und Nachhaltigkeit bei Biokraftstoffen
Alexander Bachler, Landwirtschaftskammer Österreich
Conclusions
Norbert Hummel, ARGE Kompost & Biogas Österreich

06:00 Soiree *p.m.*

5th December 2013

Selected Topics

- 09:00
a.m. Professionelle Aufbereitung der wirtschaftlichen Kennzahlen
von Biogasanlagen
Thomas Lang, LAP
Small-scale biogas technology for fermentation of slurry
Marco Pezzaglia (gpenergia)
Niedertemperatur-Abwärmenutzung für die Stromerzeugung
als Anreiz für Biogasanlagen
Karl Leisch (WTI)
Arbeits- und Unfallschutz bei Biogasanlagen
Klein Wolfgang (SVFLG)
geplant: Effizienzcheck bei Biogasanlagen
N.N.
Discussion
- 11:00
a.m. Break
- 11:30
a.m. Working Group Biogas (only participants)
Year-end closing of AK Biogas
Current Challenges
- 12:30
a.m. Discussion

Registration for Biogas-Congress 2013

- 4th December 2013 09:00 a.m. – 05:30 p.m. biogas13 Congress
 06:00 p.m. Soiree
- 5th December 2013 09:00 a.m. – 01:00 p.m. Working Groups Biogas
 (members only)

Participant _____

Participant 2 _____

Participant 3 _____

Company _____ Department _____

Street _____

ZIP Code, City _____

Telephone _____ E-Mail _____

Fee (excl. VAT.)	for Members	for Non-Member
biogas13 Congress ¹	90 €/Person	160 €/Person
2 nd Person	60 €/Person	100 €/Person
Workshop		
Working Groups Biogas (members only)		no fee

¹⁾ Costs incl. Documents, Drinks, Lunch buffet and Soiree

Please pay the fee cash at the registration at the congress.

Location, Date

Signature

Registration and Information:

ARGE Compost & Biogas Association

T: +43 1 890 1522

F: +43 810 9554 063965

E: buero@kompost-biogas.info

Information

Event Office:

ARGE Compost & Biogas Association,
Franz-Josefs-Kai 1, 1010 Wien
T: +43 1 890 1522
F: +43 810 9554 063965,
E: buero@kompost-biogas.info
I: www.kompost-biogas.info

Arriving by car:

- Leave motorway A1 at St. Pölten Süd
- Turn left towards „Zentrum“
- After 1.3 km WIFI St. Pölten is located on the right side, parking is possible on the left side.

Arriving by train at St. Pölten Main Station:

- Drive with bus Nr. 7 towards St. Pölten VAZ , Bus stop: Wirtschaftskammer
- Drive with bus Nr. 1 towards Hart b. St. Pölten, Bus stop: Schwaighof
- Drive with bus Nr. 5 towards Spratzern, Bus stop: Schwaighof
- Drive with bus Nr. 8 towards Harland, Bus stop: Schwaighof

Accommodation possibilities:

City Hotel D&C St. Pölten
Völkplatz 1, 3100 St. Pölten
T: +43(0)2742/75577
E: office@cityhotel-dc.at

Austria Trend Hotel Metropol
Schillerplatz 1, 3100 St. Pölten
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E: reservierung.metropol@austria-trend.at

Our Premium-Partners:

