

# biogas13

4<sup>th</sup> and 5<sup>th</sup> December | WIFI St. Pölten



arge  
kompost  
& biogas

klima:aktiv



# biogas13

## Der österreichische Biogas-Fachkongress

Die ARGE Kompost & Biogas Österreich veranstaltet auch heuer wieder mit Unterstützung durch klima:aktiv – der Klimaschutzinitiative des Lebensministeriums – den österreichischen Biogas-Branchentreff. Mehr als 500 Teilnehmer werden erwartet.

**Ort:** **WiFi St. Pölten**  
**Mariazeller Straße 97**  
**A-3100 St. Pölten**

**Zeit:** **4. und 5. Dezember 2013**

Partner der Veranstaltung:





## 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**

Director General 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 4<sup>th</sup> and 5<sup>th</sup> of December! We guarantee interesting presentations, discussions and, not forgetting, a familiar and profitable come-together.



**Norbert Hummel**  
Chairmann Biogas



**Franz Kirchmeyr**  
Head of klima:aktiv Biogas



**Robert Tulnik**  
CEO

# Programme



**4<sup>th</sup> 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*  
Angefragt  
*Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft*  
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**  
a.m. **Lunch**

### Session III: Bio-Methane Regions (in english)

[www.bio-methaneregions.eu](http://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](http://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)

**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 CO<sub>2</sub> 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.*

## 5<sup>th</sup> 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

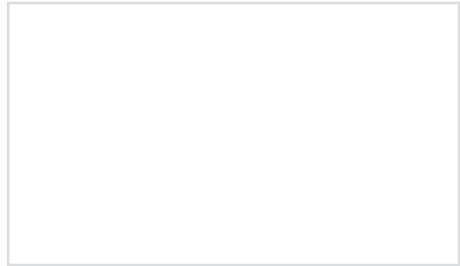




# Information

## Event Office:

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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 turn right to „Landsberger Straße“
- The WIFI St. Pölten is located on the left side
- Parking possibilities at garage of WIFI St. Pölten and along the street (Wiener Straße).

## 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  
Völk|platz 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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