

## Topics in 2016

- » Water and fertilizer law – All new, what now?
- » Efficiency & Repowering
- » Emissions / grid connection of biogas cogeneration units
- » Digestion products – treatment, quality and use



# BIOGAS Convention

Plenary talks, workshops, best practice, excursion and evening event

16th to 18th February 2016, Nuremberg, NCC West

## Program

Overview on English sessions

**Biogas 2020+**  
» Prospects for an all-rounder

Plenary session  
with discussion,  
Wednesday, 17<sup>th</sup>



## Host

German Biogas Association  
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Angerbrunnenstr. 12  
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Fax: (0049)-(0)8161-98 46-70  
E-Mail: info@biogas.org

With more than 4,700 members, the German Biogas Association is the largest German and European body representing the interests of the biogas sector. It represents manufacturers of biogas plants and components, planners and agricultural and industrial biogas plant owners throughout Germany. The object of the association's work is to enlarge the production and use of biogas for the nationwide generation of electricity, heat and fuel production, to strengthen the industrial location Germany and to develop an effective climate protection.

## Hotel reservations

congresscheck  
Bultstr. 7-9  
30159 Hannover  
Phone: (0049)-(0)511-89 88 13-0  
Fax: (0049)-(0)511-89 88 13-11  
E-Mail: info@congresscheck.de  
Online über [www.biogastagung.org](http://www.biogastagung.org)

[www.biogastagung.org](http://www.biogastagung.org)

[www.biogas-kanns.de](http://www.biogas-kanns.de)

[www.biogas.org](http://www.biogas.org)

### Supported by:



Bundesverband BioEnergie e.V.



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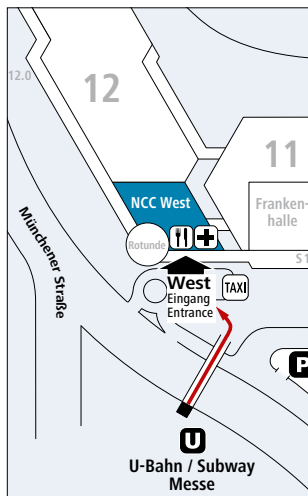


EBA  
European Biogas Association



VERBAND KOMMUNALER  
UNTERNEHMEN e.V.

### Media Partners:



## VENUE

NCC West, NürnbergMesse

## REGISTRATION

NürnbergMesse GmbH  
Messezentrum  
90471 Nürnberg  
Kristina Eberz  
Phone: (0049)-(0)911-86 06-83 80  
Fax: (0049)-(0)911-86 06-12 83 68  
E-Mail: info@biogastagung.org

## Online-Registration:

[www.biogastagung.org/ticketshop](http://www.biogastagung.org/ticketshop)

### Editor

Anja Lobedank, Fachverband Biogas e.V.

### Design

bighenreklamebureau gmbh

# Prospects of biogas, the all-rounder

Biogas is a main stakeholder among the renewables. Because biogas is not bound to a season, to weather or a time of day. Biogas can supply energy whenever it is needed. And at an impressive scale: 12 Gigawatt reliable power can be supplied by over 8,000 biogas plants in this country. This corresponds to about one fifth of the German average load.

Biogas plants operate in a triple mode. This means the plants are not operating for two thirds of the day – during daytime, when wind is blowing or the demand for electricity is low. And when the sun goes down, the wind does not blow and the electricity demand rockets generation cuts in with tripe power.

At present the supply of electricity exceeds the demand in Germany. This will change, however. The Federal Ministry for Economic Affairs and Energy assumes that the situation may become tight from 2022. Then the “energy only market“ is expected to regulate supply and demand. We will face other prices for electricity from then and the biogas plants will have an opportunity of proving their worth in the market.

Besides, biogas plants can produce – and market - heat in the cold months of the year. Public schools, gyms and indoor swimming pools are enthusiastic users of the regional, climate compatible and low-priced heating energy. Meanwhile efficient heat storage facilities are available so that biogas plants are reliable heat supply sources also under conditions of flexible electricity generation.

In addition to electricity and heat, biogas is a factor in general mobility. Biomethane has been a reliable, climate compatible and reasonably priced fuel for many years. Besides, biogas plants have yet a number of other advantages in avoiding greenhouse gases which are increasingly getting into the public focus. Open slurry tanks emit methane into the atmosphere. This could be avoided easily by digesting all available slurry in a biogas plant before it is spread in the field as fertilizer. The place of slurry is in the biogas plant. This is efficient, simple and cost effective climate protection.

Biogas is a success story in Germany. Development was rapid – and an end is not in sight. We need biogas if the fundamental change in energy supply – electricity, heat and mobility – is to be successful. We have seen exciting years – the time ahead will not be less challenging.

I am looking forward to it.

Sincerely yours,



Horst Seide



TUESDAY, 16/02/2016

## Panel 2

(»Paris«)

**2.1 Water and Fertilizer Law in Germany – All new, what now?**  
(running translation into English)

**13:00 AwSV – Current state**

Martin Böhme, Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety

**13:30 New requirements of the Fertilizer Regulation on the spreading of digestion products**

Hubert Honecker, Federal Ministry of Food and Agriculture

**14:00 New water and fertilizer law – consequences for the biogas sector**

Dr. Gerd Reinhold, Thüringer Landesanstalt für Landwirtschaft

**14.30 Break**

**2.2 Digestion products - treatment, quality and use**  
(running translation into English)

**15:00 Microbiology, multiply resistant microorganisms and pharmaceutical residues in digestion substrates and digestion products of biogas plants**

Prof. Dr. med. vet. Gerhard Breves, Hannover University of Veterinary Medicine, Physiological Institute

**15:30 Humus development in soil by the application of liquid products from digestion**

Prof. Dr. Kurt Jürgen Hülsbergen, Weihenstephan Science Center for Nutrition, Land Use and Environment

**16:00 Fertilizers of the future – practical examples and outlook on the treatment of digestion products**

Thomas Karle, agro Energie Hohenlohe GmbH + Co. KG

**16.30 Panel end**



**General meeting of members** (»Paris«)

**17:00** Advance registration is possible from 12:00 o'clock on Tuesday in the foyer of the NCC West. **Please have your membership card ready.** Please use the opportunity to register in advance to support the organization of the general meeting.

**Evening event** (»Foyers in NCC WEST«)

**20:00** The Biogas Association invites all participants to the evening event in the foyer of the NCC West at 20:00 hours in the evening of 16/02/2016. While enjoying good food and music, you can talk shop with other participants in a relaxed atmosphere.

WEDNESDAY, 17/02/2016

## Plenary meeting

(»Paris«)

**09:30 Biogas 2020+ » Prospects for the all-rounder“**  
» Keynote papers with panel discussion  
» The future of Biogas  
» Biogas – essential for the flexibility of power supplies  
(running translation into English)  
Current information: [www.biogastagung.org](http://www.biogastagung.org)

## Panel 3

(»Paris«)

### 3.1 Effizienz & Repowering

(running translation into English)

#### 14:00 Biological efficiency improvement

Dr. Hans Oechsner, Hohenheim University,  
Landesanstalt für Agrartechnik und Bioenergie

#### 14:30 Technical efficiency improvement

Dr. Jan Liebetrau, Deutsches Biomasseforschungszentrum  
gemeinnützige GmbH DBFZ

#### 15:00 Economic efficiency improvement

Dipl.-Ing. agr. Ulrich Keymer, Bayerische Landesanstalt für  
Landwirtschaft, Institut für Betriebswirtschaft und Agrarstruktur

#### 15:30 Break

### 3.2 Emissions / grid connection of biogas cogeneration units

(running translation into English)

#### 16:00 Emissions of biogas cogeneration units: Statutory requirements and their implementation

Simon Tappen (M.Sc.) Bayerische Landesanstalt für Landwirtschaft,  
Biogastechnologie und Reststoffmanagement

#### 16:30 Practical emission measurement at biogas cogeneration units

Dirk Goeman, Emission Partner GbR

#### 17:00 System services of biogas cogeneration units: Experience of a grid operator with the implementation of the Marine Strategy Framework Directive and the SysStabV

Walter Albrecht, LEW Verteilnetz

#### 17:30 Panel end





## EXCURSION

(with running translation into English)

Traditionally, the day after the BIOGAS Convention excursions to selected biogas plants in the area around Nürnberg will be organized. Please note that you need to register separately if you want to take part in the excursions because the capacity of the coaches is limited. You cannot take part driving your own car. It is proposed to visit two or three biogas plants:

Excursion	
08:00	<b>Participants meet at the Fairgrounds</b> (signposts will be put up during the BIOGAS Convention)
08:15	<b>Departure of the coaches</b>
Lunchtime	<b>Common table meal</b> (included.)
abt. 17.30	<b>Arrival at Fairgrounds / Main station.</b>



## Cost



Members	Packages	Price in €
One day	Tuesday panel package	99.00
	Wednesday panel package	135.00
Two-day-combination	Members 2 days panels	20% on membership rate

Non-Members	Packages	Price in €
One day	Tuesday	270.00
	Wednesday	290.00
Two-day-combination	Tuesday & Wednesday	510.00

<b>Excursion</b>	<b>135.00</b>
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## Services

The **participation fee for "Panel" member packages** includes the panel talks, the evening event, meal allowance (for one or two days) and the electronic Convention Proceedings. Wednesday also includes the plenary session.

The **participation fee for "Two-Day" member packages** includes the events of the days chosen with a 20% price reduction.

The **participation fee for non-members** includes the panel talks, the evening event meal allowance (for one or two days) and the electronic Convention Proceedings. Wednesday also includes the plenary session.

**Representatives of authorities and students** can claim a one-time reduction of 30% on the regular admission to the plenary talks against proof (with passport photo). A combination of reduced admission fees is not possible.

The **registration for the excursion** includes the bus transfer, lunch, the running translation into English and the attendance by the Biogas Association.

**Participation in the evening event** is automatically part of the price. More registrations for the evening event are possible **before the event**. Only a limited quota for guests will be available during the Convention. Admission to the evening event without entrance ticket is not possible.

## Important notes

The **meal allowance** is for a buffet lunch on one or two days and for up to three coffee breaks with snack, plus convention drinks.

## Registration Deadline / Payment

Payment against invoice is accepted until 15/01/2016.

Participants registering later must pay against disclosure of bank/credit card data or at the pay desk.

### **Final registration date is 31/01/2016**

Thereafter, an administrative allowance of 15% of the Convention fee is charged. Convention material will be available at the Convention venue and can be obtained after full payment of the fee.

Cancellation is free when made in writing and received on or before 31/01/2016. Later cancellations are only accepted against payment of the full participation fee.

Exceptions may be claimed if proved but can only be handled after the Convention. Please send an e-mail to [info@biogastagung.org](mailto:info@biogastagung.org).

Please register early and remember that the participation in the workshops and the evening event is limited.

# Registration

## 25. BIOGAS Convention



**Fax: +49 (0)911 - 86 06 -12 83 68**

Please register early. The participation fee is 15 % higher for registrations after the official closing date 31/01/16 to account for extra administrative effort.

**Online registration:** [www.biogastagung.org/ticketshop](http://www.biogastagung.org/ticketshop)

**Closing date for registrations:** January, 31st, 2016 (An administration charge of 15% is made for later registrations)

**Payment on account till** January, 15<sup>th</sup>, 2016

I take part in the 25th BIOGAS Convention.

### Members

- Panel package on Tuesday, 16/02/2016
- Panel package on Wednesday, 17/02/2016
- Tuesday/Wednesday combined, 16 & 17/02/2016

### Non-members

- Tuesday, 16/02/2016
- Wednesday, 17/02/2016
- Tuesday/Wednesday combined, 16 & 17/02/2016

Your information regarding the panels is not binding, you can change the rooms whenever you want. It helps with the planning of the conference rooms.)

### I attend the following panels:

#### Tuesday, 16/02/2016

- Panel 2.1 Water/fertilizer law
- Panel 2.2 Digestion product treatment

#### Wednesday, 17/02/2016

- Panel 3.1 Efficiency
- Panel 3.2 Emissions/grid connection

I will take part in the excursion on february, 18<sup>th</sup>, 2016

(with running translation into English)

### Registration address (please print)

Address/title \_\_\_\_\_ First name \_\_\_\_\_ Surname \_\_\_\_\_  
Firm/institution \_\_\_\_\_  
Street \_\_\_\_\_ ZIP/city or town \_\_\_\_\_  
Phone/fax \_\_\_\_\_ e-mail \_\_\_\_\_

### Invoice address

Registration address = invoice address

Address/title \_\_\_\_\_ First name \_\_\_\_\_ Surname \_\_\_\_\_  
Firm/institution \_\_\_\_\_  
Street \_\_\_\_\_ ZIP/city or town \_\_\_\_\_  
Phone/fax \_\_\_\_\_ e-mail \_\_\_\_\_

- Please send information material for **membership** in the German Biogas Association
- I am a **member** of the German \_\_\_\_\_  
Biogas Association membership number (mandatory)
- I would not like my name to be entered in the list of attendants which is issued at the meeting.  
(The list of attendants contains the following data: Firm name, attendant's name, company address)

I pay  against **invoice** (possible only until 15/01/16)  by **credit card**

Card holder's name \_\_\_\_\_  
Card number \_\_\_\_\_ not valid after \_\_\_\_\_  
 Mastercard  VISA  American Express