

Digestate treatment - Thursday 25 April, 2013

Preliminary programme

Registration (9:00)

Welcome speech and greetings

Michael Köttner, IBBK Fachgruppe Biogas GmbH, Germany

The treatment of biogas manure – an overview

Prof. Dr. Kilian HARTMANN, Hochschule Aschaffenburg, Germany

Water recycling in biogas plants with reduced nitrogen content

Prof. Dr. Robert Reinhard PÄTZ, Anhalt University of Applied Sciences, Germany

Treatment of Digestate with Multi-Phase-Separation (MPS)

Ulrich BRÜS, A3 Water Solutions GmbH, Germany

Recovery of nutrient surpluses by the ANAStrip® – process at the digestion of nitrogen rich substrates and production of fertilizer

Dr. Ute BAUERMEISTER, Gesellschaft für Nachhaltige Stoffnutzung mbH, Germany

Effects of amendments of OTC containing fresh manure and digestate on soil microbiota

Gokhan TURKER, Bogazici University, Turkei

Thermal treatment of dewatered digestate for energy use

Janusz GOLASZEWSKI, University of Warmia and Mazury, Polen

Discussion

Lunch

Digestate treatment in Sweden and Germany – Applied technologies and technologies under research

Prof. Dr.-Ing Frank SCHOLWIN, Institute for Biogas, Germany

Case studies for digestate and compost quality at wet anaerobic digestion plants with the BTA process

Stephan SCHULTE, BTA International GmbH, Germany

3 years of crop trials demonstrating use of compost and digestate in Irish agricultural use

Vicky HESLOP, Methanogen Ltd, Ireland

Evaluation of a practical and efficient method for determining alternative timetemperature regimes for effective sanitation in digestion treatment plants

Willem ELSINGA, Elsinga Policyplanning and Innovation, The Netherlands

Legal implications of digestate treatment

Dr. Arnim ALBERT, Kanzlei Albert, Germany

Discussion

Coffee break

WRAP digestate Related projects

David COLLINS, Renewable Energy Association REA, Great Britain

Digestate management in Flanders: Nutrient removal versus nutrient recovery

Sara VAN ELSACKER, Flemish Coordination Centre for Manure Processing, Belgium

Targeted digestate application – aspects of nutrient management and soil fertility

Silvia BACHMANN, Univeristät Rostock, Germany

Resource efficient and sustainable usage of sludge

Gunilla HENRIKSSON, SP Technical Research Institute of Sweden, Sweden

Discussion

End of the day (18:00)

Conditions of participation

For registration please send us the complete filled in and signed registration form. The registration should be submitted by fax or email. The registration is legally **binding**. Each participant has to fill in his/her own registration form.

For written **cancellations up to April 9, 2013** we charge an administration fee of **EUR 70 (1-day-ticket) or EUR 130 (2 & 3-days-ticket) plus 19%VAT**. Later cancellations have to be paid in full. In case of nonappearance (even in case of illness) the full participation fee has to be paid. We however accept substitute participants.

The participation fee includes: entrance to the exhibition and the conference, coffee during the breaks, lunch at the respective booked day/s and the proceedings of the symposium.

You will receive the invoice which is considered as confirmation by e-mail. The payment has to be done immediately via bank transfer to the specified bank account after receiving the invoice. Participants will be debited with incurred bank charges. For registration after April 15, 2013 only cash payment or payment by credit card (Visa, Maestro, MasterCard, JCB) at the registration desk is possible.

If the organiser cancels the congress the full participation fee will be refunded. Further claims are excluded.

Registration form

- 1-day-ticket** EUR 210*(please check the day)
- 2 & 3-days- ticket** EUR 370*
- Dry Fermentation, 23 April**
- Substrate Treatment, 24 April**
- Digestate Treatment, 25 April**
- Speaker** (only conference day, free of charge)
- Speaker** (further days EUR 210*)
- Poster** (1-3-days-ticket EUR 210*)
- FnBB e.V./GERBIO-Member (20 % discount)

*All prices plus 19% VAT

Company

Family name, First name

Street, Street No.

ZIP-code, City, Country

Phone

Fax

E-mail

Web

Date

Signature

Please send your signed registration to:

E-mail: s.volk@biogas-zentrum.de

Fax: + 49 (0) 7954 926204 / + 49 (0) 7954 926132

International



Anaerobic Digestion Symposium

- **Dry Fermentation**
- **Substrate Treatment**
- **Digestate Treatment**



23 – 25 April
Berlin

with the



In co-operation with



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BioGasWorld 2013

In 2012 the international trade fair BioGasWorld organised by ProFair GmbH took place for the first time together with SolarEnergy and bautech at the Berlin Exhibition Grounds. In 2013 the BioGasWorld will take place again together with the SolarEnergy. Apart from the domestic German market BioGasWorld places a special focus on the Eastern European countries from Poland and the Czech Republic to the Baltic States and Russia. In 2012 Poland was official partner country of the BioGasWorld.

This year BioGasWorld welcomes REA – Renewable Energy Association from London as cooperation partner from the international fair. REA was established in 2001, as a not-for-profit trade association, representing British renewable energy producers and promoting the use of renewable energy in the UK. The Association has a strong biogas group which is the most representative body of the British biogas industry.

As well as in 2012, where BioGasWorld had a large attendance of Polish visitors, this year we expect a numerous participation of British people. Questions about legal framework in Great Britain as well as marketing, project development and subsidies will be clarified at the fair.

Within this trade fair the International Biogas and Bioenergy Centre of Competence (IBBK) organises a 3-days international symposium. In the conferences experts from all around the world will discuss about dry-fermentation technologies, microbiology in dry-fermentation plants, materials to be used as substrates, the different technologies that can be applied for substrates treatment, the economy involved in the use of several substrates, digestate treatment, digestate application and quality of digestate, among others.

Dry Fermentation - Tuesday 23 April, 2013

Preliminary programme

Registration (9:00)

Welcome speech and greetings

Michael Köttner, IBBK Fachgruppe Biogas GmbH, Germany

Dry-fermentation introduction

Michael KÖTTNER, IBBK Fachgruppe Biogas GmbH, Germany

Operating parameters in comparison for industrial scale plug-flow dry digestion plants in renewable energy as well as biowaste treatment projects

Dr. -Ing. Gerhard LANGHANS, STRABAG Umwelthanlagen GmbH, Germany

New integrated design of dry anaerobic digestion with composting resulting in the production and use of 5 products

Willem ELSINGA, Elsinga Policyplanning and Innovation, The Netherlands

Minimizing of methane losses in the dry fermentation batch process

Jürgen PLUMM, Herhof GmbH, Germany

Discussion

Lunch

Dry fermentation of renewable primary products – mesophilic vs. thermophilic

Prof. Dr.-Ing. Ulf THEILEN, Technische Hochschule Mittelhessen, University of Applied Sciences, Competence Centre for Energy and Environmental Systems Technology, Germany

Thermophilic anaerobic digestion at short retention time and high loading rate of cow manure in a full-scale biogas plant

Prof. Dr. Paul SCHERER, University of Applied Sciences Hamburg, Germany

NIRS – ONLINE – Analysis in practical Biogas Plants with dry Fermentation

Dr. Jürgen BECK, f10 Forschungszentrum Neuburg a.d. Donau, Germany

Effects of mixing rate and solid content on numbers of active microbial populations in digesters fed with OTC medicated manure

Gokhan TURKER, Bogazici University, Turkey

Discussion

Coffee break

Treatment of municipal waste and other organic residues in a full – scale solid state anaerobic digestion

Prof. Dr. Marian KAZDA, University Ulm, Germany

Fermentability of fermentation residues as a basis for innovative biogas technologies

Susanne RIEDE, Physiologisches Institut Stiftung Tierärztliche Hochschule, Germany

Comparative studies in single – stage continuous dry-fermentation of silages from marshland and corn under dynamic wetting

Andreas KRIEG, HAWK, Fakultät Ressourcenmanagement, Germany

Biogas far away from any Infrastructures best solution dry fermentation?

Rainer WIECHERS, InBuTecS GmbH, Germany

Discussion

End of the day (17:30)

Substrate treatment - Wednesday 24 April, 2013

Preliminary programme

Registration (9:00)

Welcome speech and greetings

Michael Köttner, IBBK Fachgruppe Biogas GmbH, Germany

Catch crops as an alternative biomass feedstock for biogas plants

Beatrix MOLINUEVO-SALCES, Aalborg University, Denmark

Biogas from Lignocellulosic Biomass Interspersed with Metal: Anaerobic Digestion of Hop-Residues at the Biomethane Plant Wolnzach

Dr. Harald VON CANSTEIN, E-On Bioerdgas GmbH, Germany

Pretreatment of grass silage and manure solids with the ABFX process

Dennis BURKE, Environmental Energy and Engineering Company, USA

The cup plant Silphium perfoliatum L. - a high-potential future bioenergy plant

Dr. Walter FRÖLICH, Agrar- und Umwelt-Innovationen GbR, Germany

Using the Canavalia ensiformis seeds for the production of biogas. An energetic alternative in Cuban rural communities

Ramón COPA REY, Studies Center Energy Efficiency, Cuba

Anaerobic digestion of vinasse for the production of biogas in sugar cane distillery sector in developing countries using the CDM of the Kyoto Protocol

Sergi CUADRAT, ClimaLoop, Spain

Discussion

Lunch

Combined material and energy recovery of incontinence material

Dr. -Ing. Marko BURKHARDT, BTU Cottbus, Germany

Co-digestion of manure and industrial wastes in an anaerobic membrane - bioreactor

Dr. Urs BAIER, ZHAW Zürcher Hochschule für Angewandte Wissenschaften, Switzerland

Study on the effect of thermal pre-treatments in the thermophilic anaerobic digestion of a potato peel waste

Susana SANTOS, Universidade Nova de Lisboa, Portugal

Influence of mechanical disintegration on the rheological behaviour in the biogas digester

Christian KOLL, Hochschule Hannover, Germany

It couldn't be any better than this- Bioextrusion by LEHMANN achieves a 100% utilisation of fermentable biomass.

Jeanine ELLIOTT, Lehmann Maschinenbau GmbH, Pöhl, Germany

Discussion

Coffee break

A concept of a comparative energetic and economic assessment of pre-treatment technologies for substrates

Dr. Britt SCHUMACHER, Deutsches Biomasseforschungszentrum gGmbH, Germany

Energetic utilization of chicken manure in Ukraine – A German-Ukraine collaboration project

Dr.rer.nat. Elena H. ANGELOVA, Deutsches Biomasseforschungszentrum (DBFZ) gGmbH, Germany

Boosting the economy of manure based biogas plants

Hinrich UELLENDahl, Aalborg University, Denmark

Innovative low cost city organic waste management

ANM ZOBAYER, GIZ, Bangladesh

Discussion

End of the day (18:00)

