



**IBBA**  
INTER BALTIC BIOGAS ARENA

Sponsored by

**Landia**  
**GasMix**

Organised by



Energiforsk



Institute for Biogas  
Waste Management & Energy



All presentations and abstracts are available at [www.ibbaworkshop.se](http://www.ibbaworkshop.se)

**3<sup>rd</sup> IBBA Workshop 2015** September 10 Ängavallen, Vellinge, Sweden

## Pretreatment of lignocellulosic substrates for biogas production

|               |   |
|---------------|---|
| 07:30 - 09:00 | REGISTRATION WITH BREAKFAST   |
| 09:00 - 09:30 | Welcome to the Inter Baltic Biogas Arena<br><i>Dr. Mattias Svensson, Energiforsk, Sweden</i><br><i>Prof. Frank Scholwin, Institute for Biogas, Sweden</i>   |
| 09:30 - 10:15 | <b>Keynote:</b> Pretreatment of feedstock for enhanced biogas production<br><i>Dr. Günther Bochmann, BOKU University and IEA Bioenergy Task 37, Austria</i> |
| 10.15 – 10.25 | BREAK   |
| 10:25 - 10:55 | Disintegration technologies – Impacts on biogas process and profitability<br><i>Dr. Britt Schumacher and Dr. Jan Liebetrau, DBFZ, Germany</i>               |

10:55 - 11:50

## COMPANY PRESENTATIONS



Case Study: lignocellulosic substrates handling by the use of Landia GasMix Mixing Solution

*Thorkild Maagaard, Landia GasMix, Sweden*



Bioprocess Control: Smart Instruments for Biogas Experts

*Alberto Benavides Cantú, Bioprocess Control, Sweden*



Tekniska verken R&D Biogas

*Sören Nilsson-Påledal, Tekniska Verken i Linköping, Sweden*



Optimized biogas production from difficult substrates with enhanced TPH (thermo pressure hydrolysis)

*Günter Doppelbauer, Yara, Sweden*

Knowledge grows

11:50 - 12:50

LUNCH BREAK

12:50 - 13:50

SPEED DATING

13:50 - 14:00

BREAK

14:00 - 14:30

Co-digestion of sewage sludge and municipal biowaste with thermal hydrolysis pre-treatment

*Mats Edström, JTI - Swedish Institute of Agricultural and Environmental Engineering, Sweden*

14:30 - 15:00

Sense and no-sense of pretreatment for increasing biogas yields

*Prof. Hinrich Uellendahl, Aalborg University Copenhagen, Denmark*

15:00 - 15:30

Conclusions from 10 years research of pretreatment of lignocellulosic substrates for biogas production

*Dr. Ilona Sárvári Horváth, Borås University, Sweden*

15:30 - 16:00

The technology platform for agricultural based lignocellulosic substrates

Case examples from R&D and full-scale implementation

*Prof. Jens Bo Holm-Nielsen, Aalborg University, Denmark*

16:00 - 16:30

COFFEE BREAK

16:30 - 17:00

Experiences with mechanical pre-treatment of horse dung on a biogas plant (190 KW)

*Dr. Hans Oechsner, Hohenheim University, Germany*

17:00 - 17:30

Microbiological options to enhance the anaerobic digestion of lignocellulosic biomass

*Dr. Marcell Nikolausz, UFZ, Germany*

17:30 - 18:00

The efficiency of conversion of cattle manure into biogas by the use of chosen physical pretreatment methods at the pilot scale

*Mariusz Dubicki, University of Warmia and Mazury, Centre for Renewable Energy Research, Poland*

18:00 - 18:10

CONCLUDING REMARKS

18:30 - 19:15

GUIDED TOUR ON THE FARM

19:30 - 22:00

CONFERENCE DINNER

## Participant list IBBA 2015

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