



IBBA

INTER BALTIC BIOGAS ARENA

5th IBBA Workshop on high-value products from biogas systems – nutrient extraction and biorefinery approaches

Poznań, Poland, August 23rd - 24th, 2017

We look forward to seeing you
in Poznań on August 23rd and 24th

Registration at www.ibbaworkshop.eu

Contact us if you have any questions or would like to be a sponsor/exhibitor:
info@biogasundenergie.de

Sponsor

aquateam **COWI**

Organized by



Institute for Biogas
Waste Management & Energy



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Program

23 August

- 8:30 Registration
- 9:00 **Welcome to the 5th Inter Baltic Biogas Arena Workshop**
Prof. Frank Scholwin, Institute for Biogas, Waste Management and Energy, Germany
Ph.D. ass. Prof. Piotr Oleskowicz-Popiel, Institute of Environmental Engineering, Poznań University of Technology (PUT), Poland
- 9:20 **Keynote: Biogas perspective in Poland**
Prof. Jacek Dach, Poznań University of Life Sciences, Poland
- 9:50 BREAK
- 10:10 **Innovative circular approaches on the recycling of phosphorus**
Dr. Carsten Gellermann / Dr. Karolina Kazmierczak, Fraunhofer-Institut für Silicatforschung ISC, Germany
- 10:40 **Resource recovery at the municipal wastewater treatment plants**
Magdalena Budyh-Gorzna, Aquanet S.A. and Poznań University of Technology, Poland
- 11:00 **Company presentations**
Sponsor/Exhibitor companies – 10 min presentations
- Aquateam | COWI
- N.N.
- 12:00 LUNCH BREAK
- 13:00 Speed Dating
- 14:00 BREAK

New Technologies in the Field

- 14:10 **Treatment of digestates and recovery of nutrients**
Dipl.-Ing. Bernd Simbach, POLL, Germany
- Nitrogen extraction in biogas plants**
Dr. Sci. Ilkka Virkajärvi, Ductor, Finland
- High-value products from Anaerobic Digestion – Norwegian experiences**
N.N., Aquateam | COWI, Norway

Integrated biogas production for nutrients recirculation: a large-scale demonstration project

Prof. Jörgen Ejlertsson and Dr. Francesco Ometto, Scandinavian Biogas Fuels AB, Sweden

16:00 COFFEE BREAK

16:30 Digeponics - Use of digestate as growing medium and as fertilizer in greenhouses

Ketil Stoknes, Lindum, Norway

Overview of catalytic purification and conversion of biogas

Dr. Sebastian Wohlrab, Leibniz Institute for Catalysis, Germany

Report on research on recovery of organic acids (MCFA) as platform chemicals

Dr. Heike Sträuber, Helmholtz Centre for Environmental Research – UFZ, Germany

18:00 Concluding Remarks

18:45 Dinner and Discussion
At "Common table" – Restaurant with inclusive concept and food that is a fusion between traditional Polish cuisine and modern-healthy trends

24 August

Excursion

- 8:00 Meet and departure time
- 8:30 Tour of wastewater treatment plant in Poznań with co-digestion of sludge with food-industry waste
- 10:30 Tour of the Food2Waste2Food pilot plant at Poznań University of Life Sciences
- The project aims to demonstrate a closed cycle organic waste treatment system using municipal organic waste to provide energy, water, fertilizer and carbon dioxide for greenhouse agriculture. The innovative greenhouse will be visited.
- 12:00 Estimated end of excursion