

## 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 **Resource recovery at the municipal wastewater treatment plants**  
*Magdalena Budysh-Gorzna, Aquanet S.A. and Poznań University of Technology, Poland*
- 10:20 BREAK
- 10:40 **Innovative circular approaches on the recycling of phosphorus**  
*Dr. Carsten Gellermann, Fraunhofer-Institut für Silicatforschung ISC, Germany*
- 11:10 **Sponsor presentation**  
*Aquateam|COWI*
- 11:20 **High-value products from Anaerobic Digestion – Norwegian experiences**  
*Renata Tomczak-Wandzel, PhD eng., Aquateam COWI, Norway*
- 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*
- 14:40 **Nitrogen extraction in biogas plants**  
*Dr. Sci. Ilkka Virkajärvi, Ductor, Finland*

- 15:10 **Integrated biogas production for nutrients recirculation: a large-scale demonstration project**  
 Dr. Francesco Ometto, Scandinavian Biogas Fuels AB, Sweden
- 15:40 COFFEE BREAK
- 16:00 **Digeponics - Use of digestate as growing medium and as fertilizer in greenhouses**  
 Ketil Stoknes, Lindum, Norway
- 16:30 **Overview of catalytic purification and conversion of biogas**  
 Dr. Sebastian Wohlrab, Leibniz Institute for Catalysis, Germany
- 17:00 **Report on research on recovery of organic acids (MCFA) as platform chemicals**  
 Dr. Heike Sträuber, Helmholtz Centre for Environmental Research – UFZ, Germany
- 17:30 Concluding Remarks
- 18:30 **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

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