

January 10th

- 14:00 Welcome to the 8th International Biogas and Biomethane Arena Workshop
Prof. Frank Scholwin, Institute for Biogas, Waste Management and Energy, Germany
- 14:20 Keynote: Fate and effects of veterinary medicines emitted to the environment in manure and slurries
Professor Alistair B A Boxall, University of York, UK
- 14:50 Introduction ABIOTEC and Workshop goals
Dr. rer. nat. E.- Peter Kulle, MFPA Weimar, Germany
- 15:20 Introduction MFPA Weimar
Dr. Konrad Nitsche / Mr. Burkhard Danz, MFPA, Germany
- 15:35 BREAK
- 15:50 Manure affects the fate of antibiotics in soil
Prof. Sören Thiele-Bruhn, Trier University, Germany
- 16:20 Out of sight, out of mind – Fate of antibiotics in manure
Dr. Astrid Spielmeyer, Justus Liebig University, Germany
- 16:50 Biotransformation of Sulfonamide Antibiotics in Activated Sludge
Dr.-cand. Stefan Achermann, Swiss Federal Institute of Aquatic Science and Technology, Eawag, Switzerland
- 17:20 Concluding Remarks for Day 1
- 18:30 Dinner and Discussion

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- 8:30 Exploration of new methods for antibiotic detection
Frank Schütz, MFPA Weimar, Germany
- 9:00 Topic to be announced (Analysis Challenges)
Dr. Sebastian Zühlke, Dortmund University, Germany
- 9:30 Characterizing the fate of chemicals in AD systems using stable isotope concepts
Dr. Marcel Nikolausz, Helmholtz Centre for Environmental Research (UFZ), Germany
- 10:00 BREAK
- 10:20 Ultra-high resolution mass spectrometry technology for analysis of environmental pollutants - antibiotics among others
Martin Hansen, Aarhus University, Denmark
- 10:50 Demonstrations from the ABIOTEC project in the MFPA laboratories
- 12:30 LUNCH

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