

Program April 17th

- 12:30 **Registration and snacks / light lunch**
- 13:30 **Welcome to the ABIOTEC II Workshop (in cooperation with IBBA)**
Dr. rer. nat. E.- Peter Kulle, MFPA Weimar
Burkhard Danz, MFPA Weimar
Angela Clinkscales, Institute for Biogas, Waste Management and Energy
- 13:45 **ABIOTEC I and II**
Carl Telle, MFPA Weimar
- 14:10 **Bio2Geo**
Philipp Lorber, Bauhaus University Weimar
- 14:30 **Management options for reducing the transfer of antibiotics, and antibiotic resistant bacteria**
Lisa Durso, Ph.D., USDA Agricultural Research Service, Agroecosystem Management Research Unit
- 15:00 **Coffee break**

Impact of manure and digestate application on farmlands on antibiotic resistance genes and soil health

- 15:30 **The fate of antibiotics in manure after soil application**
Bjorn Berendsen, PhD, Wageningen Food Safety Research
- 16:00 **Manure affects the fate of antibiotics in soil**
Prof. Dr. agr. habil. Sören Thiele-Bruhn, Trier University
- 16:30 **Short Break**
- 16:40 **Fate of Disinfectant Quaternary Alkylammonium Compounds in Biogas Digestates, Manures and Soils**
Dr. Ines Mulder, Justus-Liebig University Giessen

- 17:00 **Antibiotic and disinfectant resistant bacteria in manure and biogas plant digestates**
Dr. rer. nat. Stefanie Glaeser, Justus-Liebig University Giessen

- 17:20 **Fate of antibiotic residues, antibiotic-resistant bacteria, and antibiotic resistance genes in US dairy manure management systems**
Prof. Stephanie Lansing, Ph.D., University of Maryland

- 17:50 **Closing Remarks for day 1**

- 19:00 **Dinner and Discussion**

Program April 18th

Approaches for monitoring antibiotic use

- 8:30 **Monitoring locally – non-target analysis for establishing orientation values**
Assoc. Prof. Martin Hansen, Aarhus University
- 9:00 **Monitoring antibiotic use in the poultry sector**
Bjorn Berendsen, PhD, Wageningen Food Safety Research
- 9:30 **Discussion in groups on selected questions / topics**
- Potential approaches for monitoring antibiotic use?
 - Establishing risk factors and screening methods for antibiotics and antibiotic-resistant bacteria? Suggested methods for facilitating antibiotic degradation?
 - Methods for manure management?
- 10:30 **Coffee break**
- 11:00 **Presentation of results and feedback from stakeholders**
- 12:00 **Closing remarks followed by snacks / light lunch**



Further information:
www.ibbaworkshop.eu