

# 6<sup>th</sup> Rhine-Waal Soil and Plant Ecology Seminar 2018

5<sup>th</sup> and 6<sup>th</sup> of February 2018

Faculty of Life Sciences, Rhine-Waal University of Applied Sciences, Kleve

Seminar room of the Greenhouse; Responsible: Florian Wichern

## Monday, 5<sup>th</sup> of February

### **12:00-12:30 Welcome and introduction**

12:30 *Stoichiometric composition and functioning of soil microbial communities.* Rainer Georg Joergensen, University of Kassel, Germany

12:55 *Bacterial and fungal taxa show preferences for specific soil particle size fractions.* Michael Hemkemeyer, Rhine-Waal University of Applied Sciences, Kleve, Germany.

13:20 *Substrate limitation controls SOC-stability outside of microbial hotspots in deep soil – A zymography approach.* Julian Heitkötter, Ruhr University Bochum, Germany

13:45 *Soil nematodes: methodology, functions and global importance.* Stefan Geisen, Netherlands Institute of Ecology, Wageningen, The Netherlands

14:10 *Ecosystem services driven by soil biota – understanding, valuation, and management, the SoilMan-Project.* Martin Potthoff, University of Göttingen, Germany

14:35 *SoilMan: Soil biota responses to soil management – field sites conception and first results.* Deborah Linsler, University of Göttingen, Germany

### **15:00-15:30 Coffee break**

15:30 *Evaluation of secondary fertiliser: effects on plant growth and soil microbial properties.* Conor Watson, Rhine-Waal University of Applied Sciences, Kleve, Germany

15:55 *Effect of catch crop species on nitrogen leaching and nitrogen uptake of succeeding crops – Main results of the catch crop trials of Haus Riswick since 1980,* Clara Berendonk, Agricultural Chamber NRW, Kleve, Germany

16:20 *Plant-soil feedback and plant persistence are linked in a biodiverse grassland.* Dina in't Zandt, Radboud University, Nijmegen, The Netherlands

16:45 *Development of a test system for the identification of plant signals for pathogenic fungi on wheat.* Miriam Huth, Rhine-Waal University of Applied Sciences, Kleve, Germany

17:10 *Feeding behavior of beavers (*Castor fiber*) in the district of Kleve.* Margarete Dytkowicz, Rhine-Waal University of Applied Sciences, Kleve, Germany

### **17:35-18:30 Time for discussion and exchange of ideas**

Kleve, January 15<sup>th</sup> 2018