

D-USYS

Soil Science Seminar Series 2024

The series is jointly organized by following members in the Department of Environmental Systems Science (D-USYS): R. Kretzschmar, A. Carminati, S. Dötterl, E. Frossard, M. Hartmann

Tuesdays, 5:15 –7:00 p.m., ETH Zurich, Universitätstrasse 16, 8092 Zurich, CHN P12

17 Sept Klaus Schläppi University of Basel, Switzerland

From exudate-microbiome interactions on Maize roots to smart farming

1 Oct Guillaume Morin Sorbonne Université, France

Metal speciation in environmental samples: Exploring some capabilities and limitations of X-ray absorption spectroscopy

15 Oct Madlene Nussbaum Utrecht University, Netherlands

Machine learning in soil science - Is the horizon the limit? Flaws, potentials and future challenges

29 Oct Michael C. Rowley University of Zurich, Switzerland

The influence of calcium on soil organic carbon accumulation

12 Nov Michaela Dippold University of Tübingen, Germany

Belowground traits across ecosystems: The versatile role of mycorrhizal fungi and mucilage to overcome water and nutrient limitation

26 Nov Tessa Camenzind Freie Universität Berlin, Germany

Fungal ecology gives insights on microbial death pathways and soil carbon cycling

10 Dec Daniel Said-Pullicino University of Turin, Italy

Interactions between iron and carbon cycling in redoximorphic soils and implications on their C source/sink functions

Contact: Sabine Dürig, sduerig@ethz.ch