

# SOIL SCIENCE COLLOQUIUM

Spring Semester 2023: Feb 21<sup>st</sup> to May 30<sup>th</sup>

Tuesdays, 16.15 – 18.00

Seminar room 208, Hochschulstrasse 4.

Date	Speaker	Topic
21.02.2023	<b>Prof. Adrien Mestrot</b> <b>Dr Karen Viacava</b> Postdoctoral researcher, Soil Science	<i>Introduction session.</i> <i>Microbial arsenite methyltransferase catalyses antimony methylation.</i>
28.02.2023	<b>No colloquium</b>	
07.03.2023	<b>Prof Meret Aepli</b> ★ Soil Biogeochemistry Laboratory, EPFL	<i>Redox processes in soils: assessing the role of iron minerals.</i>
14.03.2023	<b>No colloquium</b>	
21.03.2023	<b>Noël Appenzeller</b> MSc student, Soil Science Unit <b>Lena Merz</b> BSc student, Soil Science Unit	<i>Dynamic evolution of Hg methylation in a polluted agricultural floodplain.</i> 🗨️ <i>Soil pollution in Ukraine due to bombardment.</i> 🗨️
28.03.2023	<b>No colloquium</b>	
04.04.2023	<b>Adrian Grunder</b> PhD candidate, Soil Science Unit <b>Lorena Văcar</b> Visiting PhD candidate, Babes-Bolyai University, Romania <b>Nico Renggli</b> BSc student, Soil Science Unit	<i>MP pollution in European Soils; a first glance.</i> 🖥️ <i>To be determined.</i> 🗨️ <i>Mechanical properties of rape straw - light earth bricks as an insulation material.</i> 🗨️
11.04.2023	<b>Eastern holidays</b>	
18.04.2023	<b>Ursina Morgenthaler</b> ★ PhD candidate, Soil Science Unit <b>Samuel Schlichenmaier</b> PhD candidate, Soil Science Unit	<i>Antimony release from flooded shooting range soils.</i> 🖥️ <i>Black goes green: First results after one year of biochar application under field conditions.</i> 🗨️
25.04.2023	<b>Jointly with Paleolimnology</b> <b>Prof Christine Allewell</b> ★ Environmental Sciences, University of Basel	<b>Seminar room 115, Hochschulstrasse 4</b> <i>Assessing soil degradation of upland and wetland soils – from component specific and radio-isotopes to modelling and remote sensing.</i>
02.05.2023	<b>Jointly with Paleolimnology</b> <b>Prof Nathalie Dubois</b> ★ Sedimentology, EAWAG	<b>Seminar room 115, Hochschulstrasse 4</b> <i>To be determined.</i>
09.05.2023	<b>No colloquium</b>	
16.05.2023	<b>Coaláin McCreanor</b> Guest research assistant, Institute for Global Food Security, Queen's University Belfast <b>Ladina Gaudy</b> MSc student, Soil Science Unit <b>Sara Fischer &amp; Sarah Kappeler</b> MSc students, Soil Science Unit	<i>Arsenic and trace elements in Swiss rice.</i> <i>Trace element concentration in organ and muscle tissue of grey wolves (Canis lupus) and Eurasian lynx (Lynx lynx) in Switzerland</i> 🗨️ <i>Sustainable solutions for the use of organic soils in Rheintal (SG) and Seeland (BE/FR).</i> 🗨️

Legend: ★ Guest speaker, 🖥️ Virtual colloquium **only**, 🗨️ Scientific presentation, 🖥️ Blackboard presentation, 🖥️ Visual presentation.

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23.05.2023	<b>Prof Marco Keiluweit</b> ★ Soil Biogeochemistry, UNIL	<i>Hydrological extremes alter controls and pathways of soil carbon loss from mountainous watersheds.</i>
	<b>Sabnam Mahat</b> PhD candidate, Soil Science Unit	<i>Mercury in the terrestrial environment: bioaccumulation and biomonitoring in Switzerland.</i> 🗨️
30.05.2023	<b>Florian Christ</b> MSc student, Soil Science Unit	<i>Plant-protection-product uptake in soil linked to basic soil properties.</i> 🗨️
	<b>Simon Hofer</b> MSc student, Soil Science Unit	<i>To be determined.</i> 🗨️
	<b>Hanna Sigrist</b> BSc student, Soil Science Unit	<i>Microbial bound phosphorus in soils of a Swiss agroforestry system in dependence of soil depth and tree distance.</i> 🗨️

Legend: ★ Guest speaker, 🗨️ Virtual colloquium **only**, 🗨️ Scientific presentation, 🖥️ Blackboard presentation, 🖼️ Visual presentation.