

PROGRAMME

Workshop: SLU – Ukrainian Universities Collaboration on Soil-Related Challenges

14 October, Biosfären, MVM campus Ultuna and online (Zoom <https://slu-se.zoom.us/j/66222515688>, meeting ID: 662 2251 5688, passcode: 977703)

Welcoming (9:00 – 9:15)

Sara Gräslund, *SLU Global*, **Oksana Valetska**, *Department of Soil and Environment, SLU*

Nutrient recycling session (9:15 – 10:00)

Advances and current practices in nutrient recycling in Ukraine, Mariya Avhustynovych¹ / Oksana Valetska

¹*Department of Agronomy, Lutsk National Technical University*

Systems and technologies for nutrient recycling from sewage fractions, Annika Nordin

Department of Energy and Technology, SLU

Urine based fertiliser: Nutrient recover and fertiliser performance, Jenna Senecal

Department of Energy and Technology, SLU

Improving the quality of treatment residues (frass) from insect breeding through recirculation, Cecilia Lalander

Department of Energy and Technology, SLU

10:00 – 10:20 | **Discussion**

10.30-10.40 | **Fika**

Soil remediation session (10:40 – 11:20)

Assessment of soil contamination by heavy metals in the context of ecosystem disruption caused by military activities, Olha Koliada

Department of Ecology and Biotechnology in Plant Production, State Biotechnological University

Effective restoration strategies of military contaminated soils, Vadym Ivanina

Department of Agrochemical Research, Institute of Bioenergy Crops and Sugar Beet of the National Academy of Agrarian Sciences of Ukraine

In situ remediation of as in anoxic aquifers using zerovalent Iron, Geert Cornelis

Department of Soil and Environment, SLU

Organic Micropollutants in water: from environmental challenges to solutions, Oksana Golovko

Department of Energy and Technology, SLU

11:20-11:50 | **Discussion**

11:50-12:50 | **Lunch**

Sustainable agriculture session (13:10 – 14:30)

From degradation to recovery: erosion processes and their drivers in war-affected soils of Ukraine Valerii Koliada

Laboratory of Soil Erosion Control and Remote Sensing Methods, National Scientific Center "Institute for Soil Science and Agrochemistry Research named after O.N.Sokolovsky"

Perennial grains for re-building agriculture in Ukraine, Valentin Picasso

Department of Crop production Ecology, SLU

Robotic technologies for pre-sowing soil preparation and assessment of the impact of compaction on soil properties, Serhii Kunytskyi

Research Department, National University of Water and Environmental Engineering

Crop residues and intermediate crops for protein biorefinery and biogas, Thomas Prade

Department of Biosystems and Technology, SLU

Soil cover parameters monitoring for sustainable agriculture, Vyacheslav Bogdanets

National university of the life and environmental science of Ukraine

Swedish national monitoring of agricultural soils, Johanna Wetterlind

Department of Soil and Environment, SLU

14:30-15:00 | **Discussion and conclusion**

15:00 | **Fika**