

PROGRAMME

9th JUNE 2025 - PLENARY SESSION

11:30 - 12:30 - Registration

13:00 - 13:15 - WELCOME ADDRESS, Irena Atanassova

13:15 - 13:35 - WELCOME ADDRESS - Rainer Barits – online presentation

13:40 - 14:00 - ADVANCES IN SOIL RESEARCH TASKS AND REQUIREMENTS FOR A BETTER UNDERSTANDING OF A SUSTAINABLE ENVIRONMENT - Rainer Horn – online presentation

14:05 - 14:25 - ADVANCING SOIL DEGRADATION CONTROL, REMEDIATION AND RECLAMATION THROUGH THE ANAEE RESEARCH INFRASTRUCTURE - Biljana Dordevic

14:30 - 14:50 - LIVING LABS FOR SUSTAINABLE SOIL MANAGEMENT: A SYSTEMATIC REVIEW OF GLOBAL PRACTICES AND PERSPECTIVES, Eren Taskin, Natalia Rastorgueva, Lizzie Foley, Rita Noto, Luigimaria Borruso, Stefano Cesco, Tanja Mimmo

14:55 - 15:15 - SOIL DEGRADATION, REMEDIATION AND LAND MANAGEMENT IN THE SITES OF HISTORICAL ORE MINING AND PROCESSING - CASE STUDIES FROM THE SUDETES - Anna Karczewska, Agnieszka Dradrach, Katarzyna Szopka, Karolina Lewińska.

15:20 - 15:50 - Coffee break

15:50 - 16:10 - SOIL DEVELOPMENT AND SPONTANEOUS VEGETATION GROWTH ON MINE RESIDUE DEPOSIT AT DIFFERENT CLIMATES IN NAMIBIA AND SOUTH AFRICA - Stefan Norra, Florian Blum, Flavia Digiacomo, Elisabeth Eiche, Florian Eichinger, Kamuiua Kamundu, Lena-Sophie Kuhr, Karl-Gerhard Richter, Philipp Rinkel, Sanja Russ, Dawid Saayman, Rosa Sengel, Theo Wassenaar, Kai Witthüser

16:15 - 16:35 - AFRICAN DARK EARTHS ARE PATHWAYS TO ENHANCED SOIL CARBON, NUTRIENTS AND CROP PRODUCTIVITY IN GHANA AMIDST THE CHALLENGE OF HIGH MERCURY LEVELS - Caleb Ocansey, Vincent Logah, Edward Yeboah, Emmanuel Baidoo, Joshua Gyindayu Abisah, Thomas Adjei-Gyapong and Ben Banful

16:40 - 17:00 - REMATRIATING THE SOIL BY INTEGRATING INDIGENOUS KNOWLEDGE SYSTEMS WITH MODERN SOIL SCIENCE FOR SUSTAINABLE LAND CARE: CASE STUDIES FROM SOUTH AFRICA - Simeon A. Materechera

17:05 - 17:25 - SOIL AGGREGATE STABILITY AND ORGANIC CARBON STOCKS IN PANDAMANTENGA PLAINS, BOTSWANA: TOWARDS SUSTAINABLE LANDUSE - Peter N. Eze, Patience Ponyane, Ferdinand J. Dina Ebouel.

17:30 - 18:10 - MEETING OF COMMISSION 3.5 of IUSS

10th JUNE 2025 - PLENARY SESSION

9:15 - 9:30 - Registration

9:30 - 9:50 - EFFECT OF BIOCHAR APPLICATION ON HEAVY METAL SOLUBILITY AND SPECIATION IN SOILS AND SUBSTRATES AFFECTED BY METALLURGICAL ACTIVITY IN BULGARIA - Irena Atanassova, Lyuba Nenova, Maya Benkova, Tsetska Simeonova, Mariela Stoykova, Milena Harizanova, Milchena Atsenova, Emilia Elenova

9:55 - 10:15 - BIOCHAR APPLICATION INFLUENCES PAHs FRACTIONATION IN SOILS - Bożena Smreczak, Aleksandra Ukalska-Jaruga, Joanna Ciepiel

10:20 - 10:40 - ASSESSING THE DYNAMICS OF ORGANIC CARBON AND NUTRIENTS IN SOIL AGGREGATE SIZE FRACTIONS UNDER TILLAGE AND NO-TILLAGE PRACTICES IN OXISOL OF CAMEROON - Elisabeth Kuissang Ngomsu, Dieudonné Bitondo, Adriano Sofo, Stéphanie Grand, Meret Aeppli, Georges Martial Ndzana

10:45 - 11:15 - Coffee break

11:15 - 11:35 - IMPACT ON THE QUALITY AND SUSTAINABLE USE OF SOILS FROM THE IMPLEMENTATION OF LARGE-SCALE SYSTEMS FOR THE PRODUCTION AND STORAGE OF ELECTRICITY FROM RENEWABLE ENERGY SOURCES - Martin Banov, Viktor Kolchakov

11:40 - 12:00 - SULPHUR CONTENT IN RIBWORT PLANTAIN, SOIL AND AIR IN THE ENVIRONMENT OF THE MOLVE GAS FIELD, CROATIA - Željka Zgorelec, Jasmina Rinkovec, Martina Šilović Hujčić, Suzana Sopčić, Valentina Gluščić, Aleksandra Perčin, Marija Galić, Ferdo Bašić, Ivica Kisić

12:05 - 12:25 - MODIFIED SPENT COFFEE GROUNDS AND BIOCHAR REMEDIATION OF HEAVY METAL CONTAMINATED URBAN SOILS IN GLASGOW - Prudence Mhlophe, Jaime Toney, Adrian Bass, John Crawford

12:30 - 14:00 - Lunch, restaurant HAPPY - 145A Rakovski Str.

14:00 - 14:20 - RESTORING SOIL HEALTH AND P DYNAMICS THROUGH LESS INTENSIVE LAND USES: GRASSLAND ESTABLISHMENT AND REWILDING - Agustín Merino, Valentín Valentin Lopes de Gerenyu, Pablo Souza, Verónica Piñeiro, Irina Kurganova

14:25 - 14:45 - EFFECTS OF AMENDMENTS ON THE RELEASE OF ANTIMONY AND LEAD FROM SPIKED SOILS UNDER DIFFERENT MOISTURE CONDITIONS - Karolina Lewińska, Szymon Świątek, Izabela Komorowicz, Kayode Olabode, Anna Karczewska, Muhammad Iqbal, Sara Gil Oncina

14:50 - 15:10 - VARIABILITY IN THE DISTRIBUTION OF MAJOR AND TRACE ELEMENTS AND POLYCYCLIC AROMATIC HYDROCARBONS IN THE SURFACE LAYERS OF FOREST SOILS - Sabina Dołęgowska, Agnieszka Sołtrys

15:15 - 16:00 - Coffee break and POSTER SESSION

16:00 - 16:20 - GENETIC SOIL CLASSIFICATION AS A BASELINE FOR THE ASSESSMENT OF SOIL DEGRADATION IN SERBIA UNDER CLIMATE CHANGE - Ljubomir Životić, Ana Vuković, Rastko Petrović

16:25 - 16:45 - COMPARATIVE ANALYSIS OF SOIL DEGRADATION AND SOIL STRUCTURE IN CROPLANDS AFFECTED BY EROSION AND SOIL DEHYDRATION TREATED WITH A BIOLOGICAL SOIL CRUST FORMING ALGAL CULTURE - P. Futó, B. Madarász, G. Bernát, M. Futó, G. Jakab, J. Kutasi

16:50 - 17:10 - DYNAMICS, MOBILITY AND SOURCES OF HEAVY METALS AFTER BIOCHAR ADDITION IN CONTAMINATED AGRICULTURAL SOILS AROUND A COPPER SMELTER - Lyuba Nenova, Irena Atanassova, Maya Benkova, Milena Harizanova and Tsetska Simeonova

17:15 - 17:35 - SEPARATION OF MICROPLASTICS FROM SOIL - A RECOVERY EXPERIMENT - Milena Kercheva, Lev Tribis, Maya Staneva, Hristo Valchovski, Gergana Kuncheva, Yonita Perfanova, Katerina Doneva, Tsvetina Paparkova, Pavlina Vasileva

11th JUNE 2025 - FIELD TRIP

8:45 - 9:00 - DEPARTURE TO ASSAREL-MEDET OPENCAST MINE ("ST. ALEXANDER NEVSKI" CATHEDRAL SQUARE).