

Moldova-China Forum on Black Soil Farming

Organized by

The Academy of Sciences of Moldova

ANSO-World Mollisols Association

National Center for Research and Seed Production

Northeast Institute of Geography and Agroecology, CAS

September 1-5, 2026

Chişinău and Bălţi, Moldova

Theme

Sustainability of Black Soil Farming

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The Academy of Sciences of Moldova

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Co-organized by

Society of Mollisols Resources Conservation and Utilization, Heilongjiang Province, China

Key Laboratory of Water & Soil Conservation, Heilongjiang Province, China

Alecu Russo Balti State University, Balti, Republic of Moldova

Supporting projects

International Partnership Program of Chinese Academy of Sciences, Mechanism and Control of World Mollisols Degradation (131323KYSB20210004)

European project: "Transformative Living Labs for Soil Health: Advancing Regenerative and Conservation Agriculture Across Europe" (TRAILS4SOIL). Project number 101218949.

UCIP IFAD- Consolidated Programmers Implementation Unit of the International Fund for Agricultural Development

ANSO World Mollisols Association project (ANSO-PA-2023-12)

Donau Soja, Chisinau Moldova

Chamber of Commerce and Industry, Republic of Moldova

Pro-Co-Re, Balti, Republic of Moldova

Scientific Committee

Academician Prof. Ion Tiginyanu (Chairman, Republic of Moldova)

Academician Prof. Boris Boincean (Co-chairman, Republic of Moldova)

Prof. Xiaobing Liu (Co-chairman, China)

Academician Boris Gaina (Member, Republic of Moldova)

Dr. Spivacenco Anatolie (Member, Republic of Moldova)

Prof. Xingyi Zhang (Member, China)

Dr. Borozan Pantelimom (Member, Republic of Moldova)

Prof. Guanghua Wang (Member, China)

Dr. Dorin Cebanu (Member, Republic of Moldova)

Dr. Lupolov Tatiana (Member, Republic of Moldova)

Forum Language

English

Forum Important Dates

September 1, 2026, Forum

September 2, 2026, Field Experiments

September 3, 2026, Conservation farm

September 4, 2026, Academic exchanges

Forum Program

September 1 st (Venue: Small Hall, Academy of Sciences of Moldova, Chişinău)			
08:00 - 09:00		Registration & Welcome Coffee	
Opening Ceremony			
Time	Greetings and welcome remarks		Moderator
09:00	Academician Ion TIGINYANU, President of the Academy of Sciences of Moldova H.E. Zhihua DONG, Ambassador Extraordinary and Plenipotentiary of the People's Republic of China to the Republic of Moldova Prof. Xiaobing LIU, President ANSO-World Mollisols Association Minister, The Ministry of Agriculture and Food Industry Dr. Anatol SPIVACENCO, Director of the National Center for Research and Seed Production, Moldova Prof. Rattan LAL, World Food Prize Laureate, The Ohio State University, USA		Academician Ion TIGINYANU
09:25	Group Photo		
Session I Soil Formation and Fertility			
09:30-09:45	Bacean Ion (Moldova)	Pedogenetic Factors of Chernozems in the Republic of Moldova in the Conceptions of Vasily V. Dokuchaev and Nikolai A. Dimo	Arcadie CAPCELEA
09:45-10:00	Guanghua Wang (China)	Does soil microbial community reflect the Black Soil formation?	
10:00-10:15	Andriucă Valentina (Moldova)	Fertility of Chernozems in the Republic of Moldova and the need for Agroecological surveillance in current conditions of agricultural use	
10:15-10:30	Yueyu Sui (China)	Genesis and Classification of Chinese Black Soil	

10:30-10:45	Aimin Zhang (China)	The Age of Chinese Black Soils	
Coffee break (10:45-11:15)			
Session II Soil Degradation and Health			
11:15-11:30	Boris Boincean (Moldova)	Agriculture in front of transformations	Xingyi ZHANG
11:30-11:45	Xiaojing Hu (China)	Biodegradable Microplastic-Derived Carbon and Its Impacts on Soil Carbon Cycling	
11:45-12:00	Viorel Gherciu (Moldova)	eAgronom supports regenerative farming practices through the Carbon Sequestration Program	
12:00-12:15	Xiaofang Du (China)	Ecological Impacts of Black Soil Degradation on Biota and Soil Quality	
12:15-12:30	Dumitru Galupa (Moldova)	Ecological rehabilitation of degraded lands through agro-forestry and silvo-pastoral practices	
12:30-12:45	Yimin Chen (China)	Soil Enzymatic Stoichiometry as a Diagnostic Tool for Black Soil Degradation: Implications for C and P Co-Management	
12:45-14:00	Lunch break		
Session III Conservation Agriculture and Sustainability			
14:00-14:15	Rattan Lal (USA)	Live video connection	Viorel GHERCIU Boris BOINCEAN
14:15-14:30	Arcadie Capcelea (Moldova)	Soil Conservation in the Republic of Moldova: Evolution, Problems, Perspectives	
14:30-14:45	Xingyi Zhang (China)	Conservation soil tillage in the cool area of Northeast China	
14:45-15:00	Ilya Trombitsky (Moldova)	Water Erosion of Chernozems in Moldova and the Challenge of Non-Point Water Pollution: Innovative Assessment and Modeling in a Small River Basin in Moldova	

15:00-15:15	Yansheng Li (China)	Mollisols Fertility response to field management practices in Northeast China	
15:15-15:30	Nina Frunze (Moldova)	Considerations on the relationship between the soil microbiome and the development of sustainable agriculture	
15:30-15:45	Siyu Gu (China)	Unraveling Long-Term Stubble-Retained No-Tillage Driven Soil Quality Improvement and Yield Sustainability in Mollisols of Northeast China	
Coffee break (15:45-16:00)			
Session IV Crop Breeding and Productivity			
16:00-16:15	Volosciuc Leonid (Moldova)	Ecological Agriculture: Achievements and problems	Guanghua WANG
16:15-16:30	Changkai Liu (China)	Soybean Breeding and Physiological Research in the Black Soil Region of China	
16:30-16:45	Costel Gutu (Moldova)	Evolution of Soybean Breeding Research in Moldova	
16:45-17:00	Qingsong Shen (China)	Soil Organic Matter and Crop Productivity	
17:00-17:15	Ela Malai (Moldova)	Donau Soja Association: Promoting sustainable, traceable and non-GM Soya in Europe and the Republic of Moldova	
17:15-17:30	Declaration Ceremony		Boris BOINCEAN/ Xiaobing LIU
18:00	Dinner		
September 2 nd - Bălți			
08:00 Departure from Chişinău 10:00 Arrival at National Center for Research and Seed Production 10:00 Visiting long-term field experiments on crop rotations, permanent cropping, and conservation agriculture 12:00 Lunch 13:00 Visiting field trials with soybeans, common beans, corn and others Examination of the Chernozem soil profile 15:00 Cultural program at the Alecu Russo Bălți State University			Boris BOINCEAN Natalia GASITOI

18:00 Dinner Stay in Bălți		
September 3rd - Bălți		
08:30 Departure to Conservation Farm 09:30 Traveling in the North part of Moldova in order to visit two farms practicing Conservation Agricultural System (Cupcini, Edineț district) for different periods of time 12:00 Lunch 13:30 Farm visit 16:30 Transfer to Bălți 18:30 Dinner Stay in Bălți		Boris BOINCEAN Veaceslav CERNII
September 4 th	Visit to Porumbeni sector of the National Center for Research and Seed Production Lunch 13:00-14:00 Free discussion and visits of Chișinău city Stay in Chișinău	Boris BOINCEAN Pantelimon BOROZAN
September 5 th	Participants Departure	Boris BOINCEAN

Registration

Registration is free to all attendees while post meeting excursion is optional.

Accommodation

Villa Nataly Hotel, Chișinău; Elit Hotel, Bălți.

Secretariat

If you need any information or assistance, please feel free to contact the Secretariat at any time.

The Secretariat staff will be happy to provide a response as soon as possible.

For more information, you can also contact the Secretariat through the following methods:

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