World Soil Day in the Russian Federation
3 December 2021 (10:00-13:00 Moscow time, hybrid format)

Soils are necessary to support life on earth, but the increasing anthropogenic impact disrupts theirvital functions. We must maintain soil health to ensure a healthy environment and the sustainability of food systems.

The World Soil Day (WSD) is held annually on 5 December to focus attention on the importance of healthy soil and advocating for the sustainable management of soil resources in line with the Voluntary Guidelines for Sustainable Soil Management. The theme of the World Soil Day - 2021 is *"Haltsoil salinization, boost soil productivity."*

Natural saline and sodic soils serve as a foundation for valuable ecosystems and include a number of plants adapted to extreme environmental conditions. However, secondary salinity and sodicity can develop or increase rapidly in response to unsustainable human activities, posing a threat to agricultural production, food security, the provision of essential ecosystem services as well as the achievement of the Sustainable Development Goals (SDGs). Salinization and sodification of soils are among the most serious global threats to arid and semi-arid regions but also to croplands in coastal regions and for wastewater irrigation irrespective of climatic conditions.

FAO's Liaison Office with the Russian Federation, Lomonosov Moscow State University, the World Bank, and the Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, jointly with other organizations, have been holding conferences on food security and soil science since 2016 on the occasion ofthe World Soil Day. These events have been aimed at the exchange of experience and knowledge and the strengthening of cooperation among scientists, government officials, agribusiness companies and non-profit organizations to promote soil research and solve practical issues. Details on previous events are available here.

This year we are pleased to invite you to participate in **the Sixth Scientific and Practical Conference on Food Security and Soil Science, dedicated to the World Soil Day**, which will be held both physically and online.

Working languages: English and Russian.Simultaneous interpretation will be provided.

Registration link:https://fao.zoom.us/webinar/register/WN_ncfah0WXTxOGcW37wPgwsw
Youtube broadcast:https://www.youtube.com/user/soilmsu

Продовольственная и сельскохозяйственная организация Объединенных Наций

ГРУППА ВСЕМИРНОГО БАНКА

МГУ имени М.В. Ломоносова
Евразийский центр по продовольственной безопасности

Глобальное почвенное партнерство

PRELIMINARY PROGRAMME

Moderators:

Oleg Kobyakov, Director, FAO Liaison Office with the Russian Federation

PavelKrasilnikov, Professor, Corresponding Member of the Russian Academy of Sciences, Dean, Faculty of Soil Science, LomonosovMoscow State University

Representatives of the Food and Agriculture Organization, the Ministry of Foreign Affairs of the Russian Federation, Ministry of Agriculture of the Russian Federation, the World Bank, UNEP,the European Soil Partnership
Welcome remarks
Salt-affected Soils: discover a missed reality
Video
Ronald Vargas, Secretary, Global Soil Partnership, FAOHeadquarters
GSP Activities on Sustainable Management of Salt-AffectedSoils
Representatives of Russian companies (Phosagro, Acron)
Voluntary Guidelines for Sustainable Soil Management: TheRole of the Private Sector in Achieving the SDGs
Edoardo Antonio CostantinoCostantini, Secretary, European Society for Soil Conservation; President, International Union of Soil Sciences (IUSS)
Innovations and research needs in addressing soil salinization
TiborToth, Chair, IUSS Commission 3.6. Salt-affected Soils
Old issues and new challenges in soil salinity research
Jorge Batlle-Sales, Chair, FAO International Network on Salt-affected Soils
The International NetworkofSalt-Affected Soils(INSAS)
NikolayKhitrov, Head, Department of Genesis and Reclamation of Saline and SodicSoils, V.V. Dokuchaev Soil Science Institute

The Map of Salt-affected Soils and Prospects for Sustainable Management of Saline and SodicSoils in Russia

EvgenyShein, Professor, Department of Physics and Soil Reclamation of the Faculty of Soil Science, LomonosovMoscow State University

Modeling the Water-salt Transport in Saline Soils

Ivan Vasenev, Professor, Head of the Department of Ecology, RSAU – MTAA

Analysis and normative forecasting of the agroecological state of saline and alkaline soils in smart systems of agromonitoring and intelligent DSS

TemurKhujanazarov, DisasterPreventionResearchInstitute, KyotoUniversity,Japan/Uzbekistan

Biosaline agriculture as a means in achieving SDG goals under SATREPS Japan - Uzbekistan Initiative framework

ZhanylBozayeva, FAO/GEF Project National Coordinator inKazakhstan

Mapping Saline Soils and Halophyte Agriculture in Kazakhstan

Discussion and closing statements