



REGIONAL WEBINAR SERIES ON SOIL PROTECTION: WORLD SOIL DAY CELEBRATION

5 - 6 DECEMBER 2022



World Soil Day aims to raise awareness of the importance of maintaining healthy ecosystems and human well-being through the protection of soils.

Soil pollution implies the presence of chemicals and materials in soil that have a significant adverse effect on any organisms or soil functions. Soil pollutants include inorganic and organic compounds, some organic wastes and the so-called "chemicals of emerging concern". Soil pollution has a direct impact on food security and there is a direct link between the quality and safety of the food we eat and the level of soil contaminants. Additionally, soil pollution affects soil health and accordingly food availability by reducing crop yields due to toxic levels of contaminants that hamper crop growth and reduce soil biodiversity, thus increasing the problem of food security.

The use of pesticides, especially in cases of overuse and misuse, can result in significant negative impacts to soil health and in general the environment. A small group of pesticides, so-called highly hazardous pesticides (HHPs), form a disproportionate threat to the environment, in particular soil, and human health due to their high acute and chronic toxicity, which cause particular concern in low- and middle-income countries (LMICs) where capacity and resources to appropriately manage exposure to highly toxic products are lacking. As such, HHPs in LMICs put public health and ecosystem services at risk for present and future generations, and

jeopardize transitions to efficient, inclusive, resilient and sustainable agrifood systems and to the achievement of the UN Sustainable Development Goals (SDGs).

FAO jointly with WHO and UNEP drafted a global action plan on HHPs phase-out in consultation with relevant stakeholders. The plan aims at reducing the harm posed by HHPs in agriculture by 2030 by (1) mobilizing and coordinating key stakeholders; (2) promoting robust, appropriate and supportive regulatory actions on HHPs; and (3) realizing viable alternatives to HHPs by facilitating their development, introduction and access.

The event connected to two projects. FAO project "Increasing national capacities to assess the risk of diffuse agricultural soil pollution" aiming to support decrease agriculture related soil pollution in Serbia. GEF/FAO project "Lifecycle Management of Pesticides and Disposal of POPs Pesticides in Central Asian countries and Türkiye" among others aims to strengthen the capacity for the sound management of pesticides; and promotes alternative approaches to HHPs and decrease pesticide use and enhance the sustainable agricultural production.

JOIN DAY 1

Zoom Meeting ID: 862 2189 4316

OBJECTIVE

The main objective of the Webinar series to raise awareness on the importance of soil protection and sustainable management of our soils.

On the second day we are aiming to raise attention on a specific subject, the impact of the HHPs on the soil health and food security and safety, and on addressing the issue at the global, regional and national levels. FAO is addressing HHPs as a priority while promoting pesticide risk reduction and integrated pest management (IPM) as a global strategy. This makes the alternative identification to HHPs more important than ever. The webinar may serve as platform to exchange information on the existing approaches and challenges existing with regard to HHPs phase-out.

TARGET AUDIENCE

Interested FAO staff and consultants, governmental representatives from project countries, national experts, civil society organizations, public and private sector, and academia in the Europe and Central Asia region.

JOIN DAY 1

JOIN DAY 2

AGENDA

DAY 1 5 DECEMBER 2022

WORLD SOIL DAY: HEALTHY SOILS FOR FOOD SECURITY IN SERBIA

9:30 - 9:35 CET

GLOBAL SOIL PARTNERSHIP VIDEO

9:35 - 9:45 CET

OPENING REMARKS

Tania Santivanerz, FAO REU
Stefan Simeunović, Director of SEPA

9:45 - 10:00 CET

SOIL BIODIVERSITY AND CLIMATE CHANGE

Anna Kanschiva, FAO REU

10:00 - 10:15 CET

SERBIAN SOILS STATUS, RESULTS

Dragana Vidojević, SEPA

10:15 - 10:25 CET

SERBIAN DATA ON PLANT PROTECTION PRODUCTS, FERTILIZERS

Nebojša Redžić, SEPA

10:25 - 10:35 CET

DIFFUSE SOIL POLLUTION IN SERBIA: RESULTS OF THE PROJECT

Maja Manojlović, FAO SRB

10:35 - 11:00 CET

PANEL DISCUSSION ON THE CHALLENGES ON DIFFUSE SOIL POLLUTION IN SERBIA:

Panel moderator: **Maja Manojlović**

Panel members:

Mira Milinković, Soil Institute, Belgrade, director

Dragana Vidojević, SEPA

Branislav Cukić, Crop producer, Opovo

11:00 - 11:05 CET

WRAP UP

Aleksandar Mentov, FAO SRB

11:05 - 11:30 CET

RECEPTION AND OPEN DISCUSSION WITH ALL OF THE PARTICIPANTS IN PRESENT IN BELGRADE, SERBIA

DAY 2 6 DECEMBER 2022

ADDRESSING HIGHLY HAZARDOUS PESTICIDES AND PROMOTING SOIL REMEDIATION

10:00 - 10:05 CET

OPENING REMARKS

Raimund Jehle, FAO REU, RPL

10:05 - 10:15 CET

AGRICULTURE, IN PARTICULAR CHEMICAL TREATMENTS AND HHPs USE, RELATED SOIL POLLUTION AND ITS IMPACTS

Sergejus Ustinov, FAO NSLD

10:15 - 10:30 CET

ADDRESSING HIGHLY HAZARDOUS PESTICIDES (HHP): GLOBAL PERSPECTIVES

Baogen Gu, FAO NSP

10:30 - 10:45 CET

PHASING OUT HHPs: A GLOBAL OVERVIEW ON THE WORK, THE IMPACT OF HHPs ON FIELD LEVEL EXPOSURE

Sheila Willis, PANUK

10:45 - 11:00 CET

HHPs ASSESSMENT IN AZERBAIJAN, KAZAKHSTAN, KYRGYZSTAN, TAJIKISTAN, AND TURKIKIYE

Alejandra Guzman, FAO

11:00 - 11:15 CET

Country examples on soil remediation and soil protection:

11:00 - 11:15 CET

INVENTORY AND CLEANING OF MINI-LANDFILLS IN TAJIKISTAN: PROBLEMS AND ACHIEVEMENTS

Umidjon Ulugov, PhD, Tajikistan

11:15 - 11:30 CET

IN SITU MICROBIAL BIOREMEDIATION OF OBSOLETE PESTICIDES AT THEIR DISPOSAL SITES IN KYRGYZSTAN

Tinatin Doolotkeldieva, Professor, Kyrgyzstan

11:30 - 11:45 CET

PHYTOREMEDIATION AND ELECTROKINETIC REMEDIATION AS SUSTAINABLE TECHNIQUES TO AMELIORATE POLLUTED SOILS: EXAMPLES FROM TÜRKIYE

Öznur Karaca, PhD, Türkiye

11:45 - 12:00 CET

PHYTOREMEDIATION OF POPS-CONTAMINATED SOILS: SOLUTIONS AND DEVELOPMENT PROSPECTS IN KAZAKHSTAN

Asil Nurzhanova, Professor, Doctor of Biological Sciences, Kazakhstan

12:00 - 12:05 CET

WRAP UP AND CLOSING REMARKS

Natalia Rodrigex Eugenio, FAO NSLD

JOIN DAY 1

JOIN DAY 2