



Food and Agriculture
Organization of the
United Nations

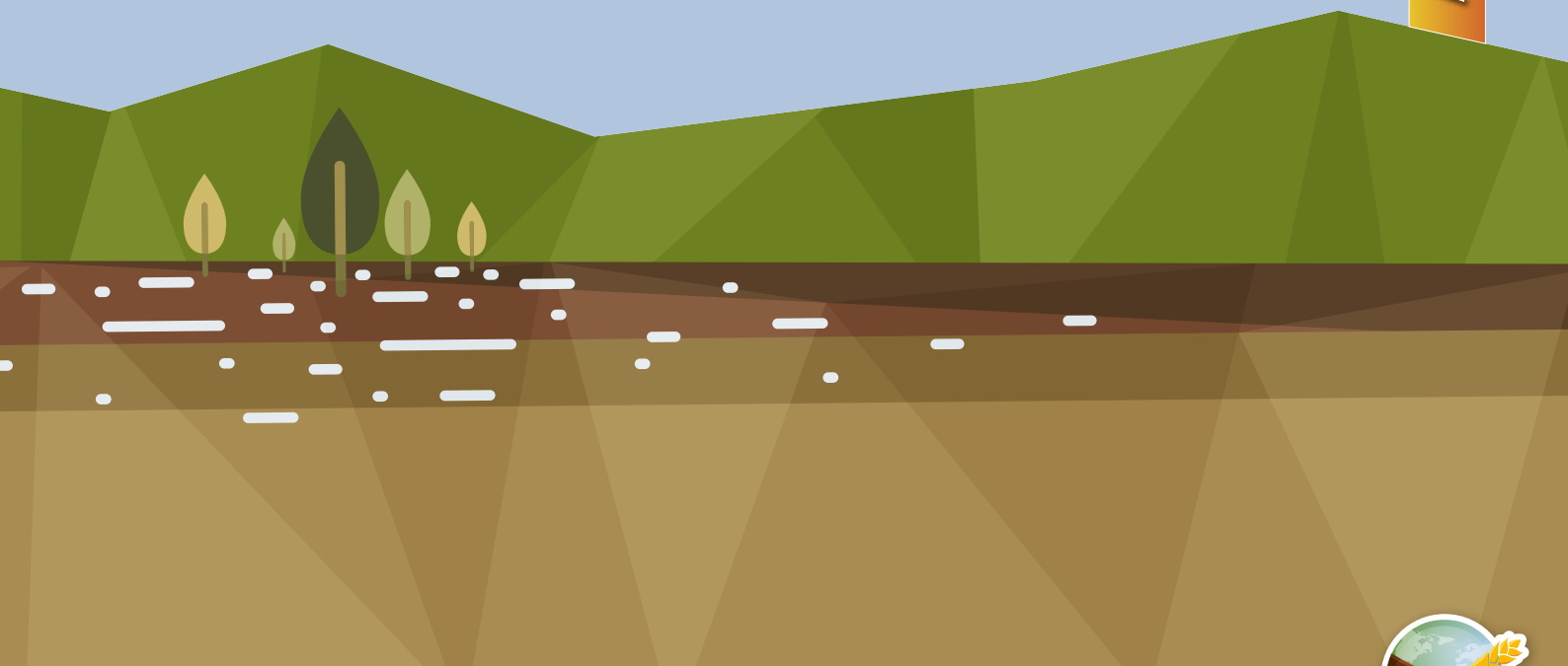
International Network of
Salt-Affected Soils



Assessing soil salinity and sodicity using remote and proximal sensing data

4 and 11 September 2024
16:00 - 17:30 CEST

Agenda



GSP Webinars



This event will provide an overview of and hands-on experience on advancements and practical applications in detecting soil salinity and sodicity using remote and near-ground sensing technologies. The discussion will encompass a variety of critical topics, including:

Day 1: Theory; 1.5 hours

- Fundamentals of soil salinity and sodicity
- Proximal sensing techniques and methods to map and monitor salinity and sodicity at the field scale
- Remote sensing technologies for detecting soil salinity
- Case studies demonstrating successful implementation of sensing technologies
- Challenges and future directions in soil salinity and sodicity monitoring
- Questions and Answers

Day 2: Hands-on training; 1.5 hour

- Overview of the hands-on training
- Remote sensing and soil salinity data overview
- Exploratory data analysis
- Remote sensing soil salinity map
- Map evaluation with cross-validation methods
- Questions and Answers

The webinar is the fifth in a series of webinars organized by the International Network of Salt-Affected Soils (INSAS) of the Global Soil Partnership, an initiative which is aimed at raising awareness on sustainable management of salt-affected soils for food security, agricultural sustainability, environmental protection, and climate change mitigation.

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Registration link : https://fao.zoom.us/webinar/register/WN_kuGSfOxLSA6mB5GfG6raBw



The Global Soil Partnership (GSP) is a globally recognized mechanism established in 2012. Our mission is to position soils in the Global Agenda through collective action. Our key objectives are to promote Sustainable Soil Management (SSM) and improve soil governance to guarantee healthy and productive soils, and support the provision of essential ecosystem services towards food security and improved nutrition, climate change adaptation and mitigation, and sustainable development.



The International Network of Salt-Affected Soils (INSAS), launched in 2019 during the International Center for Biosaline Agriculture's (ICBA) first Global Forum on Innovations for Marginal Environments, is a Technical Network of the Global Soil Partnership (GSP) and follows its Rules of procedure. The Network aims to facilitate the sustainable and productive use of salt-affected soils for current and future generations. INSAS's mission is to support and facilitate joint efforts towards the sustainable management of SAS for food security, agricultural sustainability and climate change mitigation.

