**Session Proposal**

# Session Title

Soil Security and Policy: Foundations for a Sustainable Future

# Session Organizers

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# *Prof Yong-Guan Zhu, Research Center for Eco-environmental Sciences, Chinese Academy of Sciences, China [ygzhu@rcees.ac.cn](mailto:ygzhu@rcees.ac.cn)*

# Session Description

This symposium brings together leading scientists and policymakers, land managers to explore the concept of *soil security* as a framework to elevate soil to the heart of environmental and socio-economic policy. Soil security integrates five key dimensions—*condition*, *capability*, *capital*, *codification*, and *connectivity*—each essential to sustaining soil functions and the ecosystem services they underpin.

The event will examine how emerging policies, technological innovations, and community-based approaches can secure soil at local, national, and global scales. Case studies will highlight successful policy instruments, market-based mechanisms for soil stewardship, and progress toward national soil strategies. Particular attention will be given to aligning soil policy with climate mitigation goals, the UN Sustainable Development Goals, and regenerative agriculture practices. The symposium will also address equity in soil governance, emphasizing the roles of Indigenous land custodianship and citizen science in shaping inclusive, resilient soil futures.

By convening multidisciplinary perspectives, this symposium aims to build momentum for soil policy reform and greater recognition of soil as a strategic natural asset. Together, we will chart pathways toward securing soil for future generations—transforming how societies value, monitor, and govern the soil..

# Format

Oral presentations, panel discussion

# Proposed Speakers

Speakers and panelists to be decided