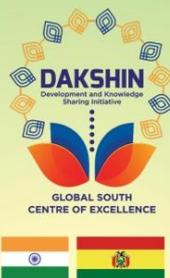




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inesad
INSTITUTO DE ESTUDIOS AVANZADOS EN DESARROLLO

Virtual Workshop

Soil and Water Conservation for Resilient Agriculture under Climate Change Dynamics in Latin America

Wednesday, 10 December 2025

8:30 am – 10:30 am (Bolivia Time) | 6:00 pm – 8:00 pm (India Standard Time)

(Virtual)

Concept Note

The Latin America faces mounting challenges from climate change, including prolonged droughts, erratic rainfall, increasing temperature extremes, changing monsoon patterns, soil degradation, and declining water availability. The region's agricultural ecosystems are diverse yet fragile, comprising rain fed, highland, coastal, and dry land systems dominated by small and fragmented landholdings. These dynamics are reshaping agricultural systems and threatening food security, particularly for smallholder, rain fed and coastal communities. Climate variability is accelerating land degradation and reducing the productive capacity of natural resources, thereby undermining sustainable agricultural growth in the region.

Given these challenges, soil and water conservation has emerged as a key priority in climate adaptation strategies across Latin America much like in India and Global South's rain fed and coastal agricultural regions. Practices such as integrated watershed management, rainwater harvesting, soil health management, conservation tillage, agro-forestry, efficient irrigation systems and community participation are critical for improving resilience, enhancing productivity, and maintaining ecological balance. However, scaling such practices requires knowledge sharing, institutional collaboration, and the adaptation of successful experiences from other regions of the Global South.

Recognizing these shared challenges and opportunities, INESAD, Bolivia, in collaboration with DAKSHIN – Global South Centre of Excellence at RIS, India, proposes this virtual workshop to promote South-South Cooperation in soil and water conservation for climate-resilient agriculture in Latin America. The workshop aims to provide a collaborative platform for policymakers, researchers, and practitioners to exchange experiences, share best practices from Latin America, India and Global South, identify adaptable solutions, and chart actionable pathways toward sustainable and climate-resilient agricultural transformation in the region.

Objectives

- To assess the impacts of climate change on soil and water resources in Latin America.
- To identify effective soil and water conservation measures and best management practices (BMPs) that strengthen agricultural resilience.
- To share successful case studies, technologies, and policy frameworks from Bolivia, Latin America, India and other Global South regions.
- To promote institutional collaboration and South–South partnerships for sustainable and climate-resilient agriculture.
- To explore opportunities for joint research, capacity building, and technology transfer in soil and water management.

Key Discussion Areas

- *Climate Change and Resource Degradation:* Understanding the evolving soil–water dynamics under changing climatic conditions in Latin America.
- *Best Management Practices (BMPs):* Lessons from Bolivia, Latin America, India and the Global South on soil and water conservation.
- *Integrated Approaches:* Watershed management, soil health improvement, agro forestry, micro-irrigation, and landscape-level resilience.
- *Technology and Innovation:* Low-cost, scalable solutions for soil conservation, water-use efficiency, and climate adaptation.
- *Policy and Institutional Frameworks:* Strengthening enabling environments for community-based and ecosystem-oriented conservation.
- *South-South Cooperation:* Enhancing partnerships between Latin America, India, Africa, and Asia for knowledge sharing and co-development of resilient agricultural systems.