



TECA Webinar

Soil conservation practices to reduce soil erosion: Terrace Systems



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13 December 2022 | 10-12 hrs Rome time
Languages: English & Chinese

Registration link:

https://fao.zoom.us/webinar/register/WN_djsqGruYSpWh3hgsJnkFRg

AGENDA

Session I: Introduction

- **Technologies and Practices for Small Agricultural Producers (TECA)**
Selvaraju Ramasamy, Senior Agricultural Officer, Office of Innovation, Food and Agriculture Organization of the United Nations (FAO).
- **Soil conservation strategies – an introduction**
Ronald Vargas, Land and Water Officer, Food and Agriculture Organization of the United Nations (FAO).
- **Q & A session**

Session II: Good practices - terrace systems

- **Slope Agriculture Land Technology (SALT), Nepal** (Language: English)
Dr. Bishnu Hari Poudel, Forestry expert, Food and Agriculture Organization of the United Nations (FAO), Nepal
- **Shexian Dryland Stone Terraced System, China** (Language: Chinese)
Xianlin HE, Senior Agronomist, Bureau of Agricultural and Rural Affairs of Shexian County, P.R. China
- **Terraced Agroforestry systems in the Anti-Atlas Mountains (Morocco): roles and preservation challenges** (Language: English)
Aitlhaj Abderrahmane, National Agency for Development of Oasis and Argan Areas (ANDZOA), Agadir, Morocco
- **Rehabilitation of degraded hillslopes of agro-pastoral areas through a mechanized in-site water harvesting technique and out-planting of native plant species** (Language: English)
Mira Haddad, Senior research assistant, and **Joren Verbist**, Technologies Systematization Officer, ICARDA.
- **Q & A session**

Key messages: Ronald Vargas, Land and Water Officer, FAO

Soil conservation is becoming increasingly important due to climate change and harmful farming practices. In hilly or mountainous areas, soil erosion is unavoidable due to rain and wind. Terracing is one of the practices used to prevent rainfall runoff in sloping lands for soil and water conservation.

Terracing is a method applied to prevent soil erosion due to excessive rainfall and to reduce the formation of gullies. This consist of ridges constructed across the slope to conserve soil, nutrients and increases the soil productivity, as well as reduces flooding and minimizes soil erosion through decreased slope gradient. Terrace systems are widely spread in east and Southeast Asia for rice farming, and in the Mediterranean for the cultivation of vineyards and olive trees.

This webinar highlights the benefits of implementing terraces system in agriculture.



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