

Side event 17 | Innovations for climate-friendly food systems. A deep dive into digitalization and agroecology for resilience

Organized by:

- Misión Permanente de República Dominicana ante la Organización de las Naciones Unidas para la Alimentación y la Agricultura (FAO) y otros organismos con sede en Roma
- Swiss Agency for Development and Cooperation (SDC), Switzerland
- Foreign, Commonwealth & Development Office (FCDO), United Kingdom
- Consultative Group on International Agricultural Research (CGIAR)
- SWISSAID
- farmbetter Ltd.
- Plant Production and Protection Division (NSP) of the Food and Agriculture Organization of the United Nations, FAO
- International Fund for Agricultural Development (IFAD)
- World Overview of Conservation Approaches and Technologies (WOCAT)
- Kenya Agricultural and Livestock Research Organization (KALRO)

Wednesday, 25 October; 13.30 – 14.45 (UTC+2)
Green Room & via Zoom

[Register here](#)

Abstract

Global agrifood systems are both drivers of climate change and vulnerable to its effects. But with today's knowledge, technologies, and innovative approaches, we can reverse this negative relationship and turn it into a positive one. Within the context of the UN Decade of Family Farming, an expert panel takes a deep dive into how agroecological approaches can empower smallscale farmers as innovators to restore and protect ecosystems and nourish families under changing climates; how digital solutions, like AgriPath or AeD-LABs, can capture and share that local knowledge; and how the flow of international climate finance can be increased in line with its importance to global emissions, adaptation and resilience, and food security. As part of the Breakthrough Agenda launched at COP26, priority technology areas like agroecology and digital services were further identified to sustainably increase agricultural productivity and incomes, reduce GHG emissions, safeguard soil, water resources, and natural ecosystems, and build climate resilience. This side event therefore presents key findings and recommendations from the 2023 Breakthrough Agenda Report. Showcasing solutions, the event aims to catalyze urgent action towards food systems transformation.

Objectives

- Showcase innovative, sustainable and agroecological responses to the climate crisis by stakeholders, including smallholder farmers and governments;
- Explore digital sharing's benefits and risks for resilient food systems, focusing on smallholder farmers, women and youth;
- Evaluate policy tools and make recommendations regarding international collaboration, policies, and investments to create an enabling environment and incentivize the transition to more sustainable agrifood systems, including through the COP 26 Breakthrough Agenda.