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 small-scale 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.

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 small-scale 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.