

**Title: Crop diversity for climate change adaptation and mitigation contributing to resilient and nature positive futures for farmers globally**

**Date: 6<sup>th</sup> December 2023**

**Time: 9.30 - 10.30**

**Venue: IFAD-CGIAR -FAO pavilion**

**Description:**

The event will show the power of crop genetic diversity to serve as a cost-effective strategy for enhancing climate resilience for food production globally across a range of species contributing to diversified diets.

Exploring roots and tubers, cereals, and legumes, including underutilized crops, experts from the global community of crop research and practitioners will highlight various benefits of within and across species diversity. The event will discuss how these crops could thrive in diverse environmental conditions, provide reliable sources of nutrition, and offer income stability in the face of climate change.

High-level speakers from research, funding agencies, farming communities and civil society will offer expertise and insights through opening remarks, fireside chats and panel discussions. The audience will be engaged through interactive Q&A opportunities.

**Outcomes:**

By the end of the event, attendees should clearly understand the potential socio-economic, nutritional and environmental advantages of conserving and using crop genetic diversity.

**Likely speakers-**

CIP	DG/DDG	Research
CIP	ICCCFSA	NGO/Scaling
CIP	AGRA	NGO/Scaling
CIMMYT	FFAR	Funder
CIMMYT	BMGF	Funder
CIMMYT	Aim4C	Advocacy
CIMMYT	Sarah Hearne	Research
WWF	practitioner, presenting project implementation on agrobiodiversity	
ABC	Carlo Fadda	Research
ABC	Asian Farmers Association	Practitioner
ABC	BAIF, Indian NGO	NGO
Crop Trust	Conservation angle/Genebank manager	Practitioner/Conservation
Crop Trust	Stefan Schmitz	Practitioner/Conservation

Lead	Event	Outcomes
CIP	Root and Tuber Crops – a cost-effective approach to increase climate resilience of African farmers	Attendees should clearly understand the potential socio-economic and environmental advantages associated with promoting root and tuber crops in African agriculture.
CIP	Sweetpotato as a critical crop for humanitarian operations driven by severe climate events	Attendees will gain a comprehensive understanding of the benefits and practical applications of sweetpotato cultivation in humanitarian operations, ultimately enabling more effective disaster response and recovery efforts.
CIP	Reducing environmental footprint of large cereals-based crop rotations in Asia - the increasing role of potato	Attendees will gain insights into the practical advantages of integrating potatoes into existing crop systems, ultimately promoting more environmentally responsible agriculture in Asia.
CIMMYT	Fast-tracking the Power of Diversity for Climate Resilience	Provide the audience with a greater awareness of the value of genetic resource collections and of the unique position of the CGIAR as custodians in the characterization, value addition and use of the resources in the development of new varieties for sustainable and inclusive farming futures. Provides a forum for the CGIAR and two funders to provide the Agriculture context of their climate change research programming, of which the Allele Mining Aim4C Sprint is a part. Increase the visibility of genetic resource stakeholders and promote enhanced funding of work in the conservation, characterization, value addition and use spaces
ABC	The Role of Forgotten Crops for A Nature Positive Future with Farmers : Experience from Asia	Custodian of diversity. Farmers. Non-major crops and how farmers can be involved in the research. Our agri-food system is off course if it is to sustainably nourish a growing population on a hotter planet, while sustaining the Earth's natural resources upon which it depends. Our agri-food system now relies on a limited number of staple crops: rice, maize, wheat, soybean and potatoes, make up 60 % of the food energy intake; these are mostly produced through unsustainable farming practices. Formal agricultural research systems neglected many local crops and foods, considering there are over 30,000 edible plant species of which 6.000 have been used as food, and 700 cultivated throughout human history.
Crop Trust	Unleashing the power of crop diversity for climate resilience	Safeguarding crop diversity around the world is key to achieve climate resilience. The wealth of species and genetic diversity of crops and their wild relatives can help us adapt to, as well as mitigate, the impacts of climate change on food systems, especially on vulnerable rural communities. This event aims to: a) showcase concrete examples of how crop diversity can be used and leveraged to address the global challenges of food security, biodiversity loss and climate change simultaneously; b) raise awareness of the importance of conserving crop diversity in seedbanks so it can be used for research, breeding and cultivation. c) explore linkages across commitments related to biodiversity, land and climate from the three Rio Conventions (UNFCCC, UNCBD and UNCCD) and offer recommendations on integrating crop diversity into global dialogues and coordinated action.