

# Activity 10

## Seminar on Plant Variety Protection and UPOV 1991

**UPOV 1991 Convention as a tool to achieve the UN Sustainable Development Goals (SDGs)**

Yolanda Huerta, Vice Secretary-General, UPOV

December 4, 2023 (Jakarta, Indonesia)



## Members of UPOV (78) (covering 97 States)

Ghana's membership to UPOV is critical to its food and nutrition security as well as meeting its national development goals





The vision of the **2030 Agenda for Sustainable Development** (see <https://www.un.org/sustainabledevelopment/sustainable-development-goals/>) includes a world where

- food is sufficient, safe, affordable and nutritious
- there is sustained and inclusive economic growth, social development, environmental protection and the eradication of poverty and hunger
- development and the application of technology are climate-sensitive, respect biodiversity and are resilient

# SUSTAINABLE DEVELOPMENT GOALS







**UPOV**

<p><b>1 NO POVERTY</b></p>  <p>End poverty in all its forms everywhere</p>	<p><b>2 ZERO HUNGER</b></p>  <p>End hunger, achieve food security and improved nutrition and promote sustainable agriculture (Targets 2.1, 2.2, 2.3, 2.4, 2.5, 2.a)</p>
<p><b>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</b></p>  <p>Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation (Target 9.5)</p>	<p><b>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</b></p>  <p>Ensure sustainable consumption and production patterns (Targets 12.2, 12.3, 12.4, 12.a)</p>
<p><b>15 LIFE ON LAND</b></p>  <p>Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss (Target 15.3)</p>	<p><b>17 PARTNERSHIPS FOR THE GOALS</b></p>  <p>Strengthen the means of implementation and revitalize the global partnership for sustainable development: Systemic issues: Multi-stakeholder partnerships (Target 17.17)</p>

<https://www.upov.int/about/en/faq.html#QS10>



The tremendous growth in agricultural productivity in various parts of the world is largely based on

improved varieties

+

improved farming practices



## PERU

More than sixty new varieties of blueberries protected since UPOV membership



<https://www.bioeconomia.info/2020/07/20/peru-se-consolida-como-primer-exportador-de-arandanos/>

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IPO FOR



2 ZERO  
HUNGER

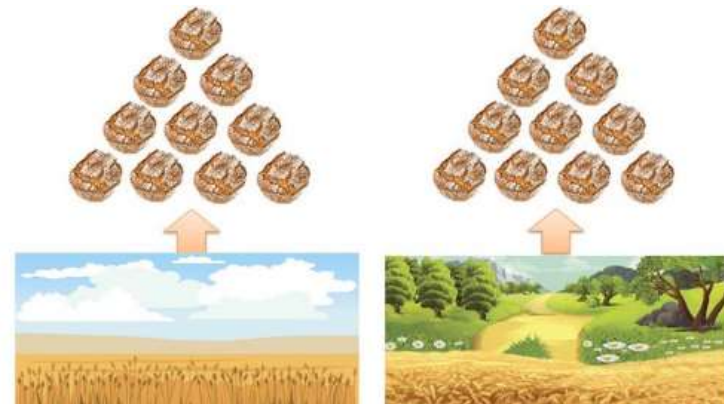


**New Plant Varieties** with improved yield, plant pest and disease resistance, salt and drought tolerance and better adaptation to climatic stress



Producing more, better... with less

and in more challenging conditions



**UPOV**

International Union for the Protection of New Varieties of Plants

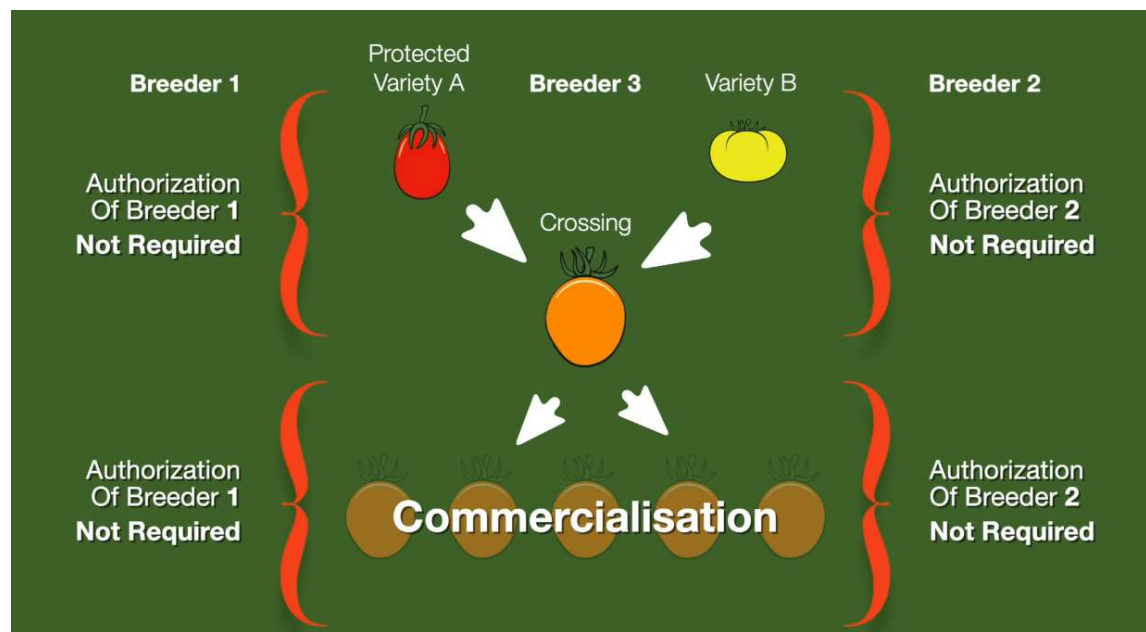
WIPO FOR OFFICIAL USE ONLY

**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



**UPOV's mission** is to provide and promote an effective system of Plant Variety Protection with the aim of encouraging the development of New Plant Varieties for the **benefit of society**

## Advantages of the breeder's exemption under the UPOV Convention



- Variety improvement is enhanced: there is continuous progress in breeding
- Genetic basis for plant improvement is broadened and is actively conserved



## Slide 12

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**HY1**

HUERTA-CASADO Yolanda, 2/22/2023

12 RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



Farmers need new plant varieties to respond to the continuous evolution of pests & diseases, **climate change** and users' needs

## 2022 UPOV Climate Change Seminar

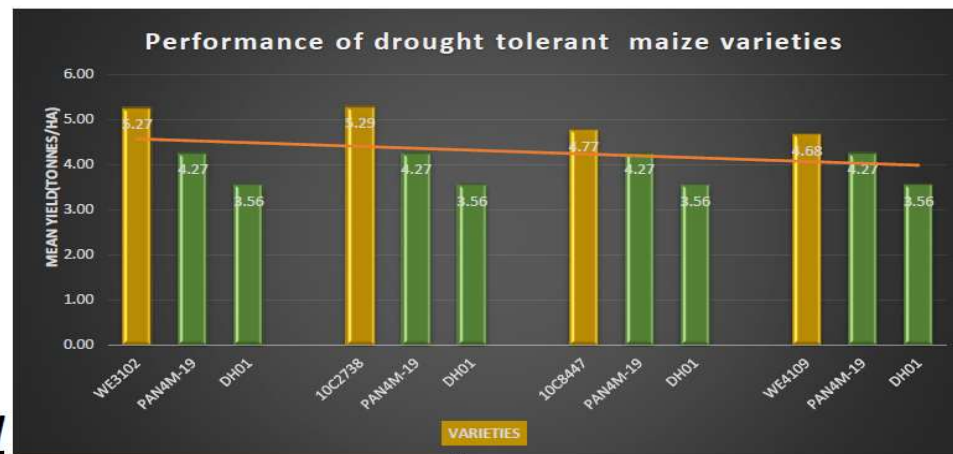
### example of Kenya

[https://www.upov.int/meetings/en/details.jsp?meeting\\_id=71391](https://www.upov.int/meetings/en/details.jsp?meeting_id=71391)



## Development of Climate Smart Varieties

Increased production through breeding of better yielding and drought tolerant varieties



### Legend

	New drought tolerant varieties
	Check Varieties

Source: KEPHIS VCU Data - 2017

15 LIFE  
ON LAND



New Plant Varieties are a key element in increasing productivity and product quality in agriculture, horticulture and forestry, whilst minimizing the pressure on the natural environment



## Improved Varieties

### Hot pepper

Development of disease resistant variety



🟡 **Dok-Ya-Cheong-Cheong**  
Resistant to phytophthora blight/virus

Phytophthora blight (Fungal disease):

- above : **Resistant variety**
- below: **Susceptible variety**

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Chang Hyun Kim, Second World Seed Conference

**17** PARTNERSHIPS  
FOR THE GOALS



**Plant Variety Protection** supports  
long-term investment in Plant  
Breeding

+

**provides a framework for investment**  
in the delivery of seed and other  
propagating material of varieties  
suited to farmers' needs

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## Symposium on the Benefits of Plant Variety Protection for Farmers and Growers



### Vuyisile Phehane



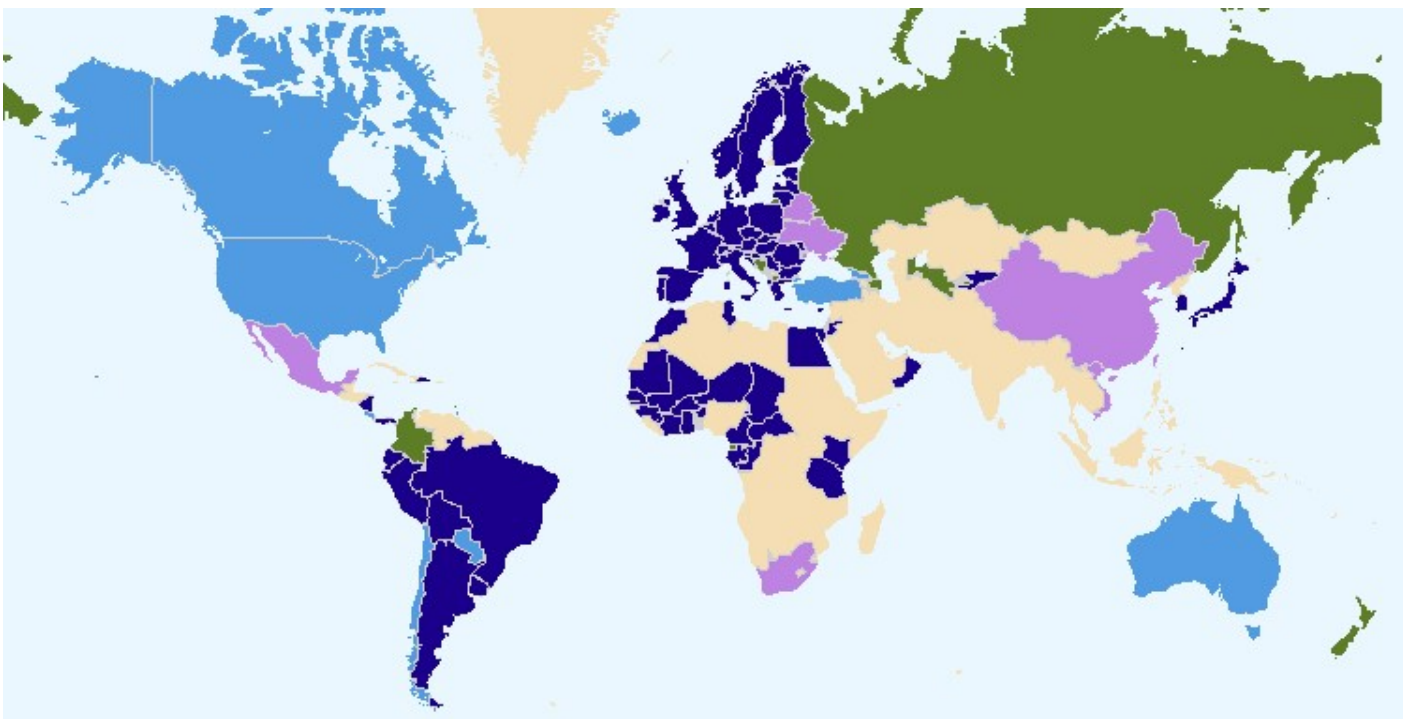
- Delivering high performance varieties to subsistence/smallholder farmers

- Local licensing agreement with a South African company
  - for the commercialization of some of the ARC's citrus varieties.
  - A condition of the license: ensure the participation of smallholder citrus producers in the commercialization value-chain.
- Facilitated partnership with the Citrus Growers' Association to access ARC.

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# Complementarity between the UPOV Convention, the Convention on Biological Diversity (CBD) and the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA)

States bound by those treaties as of October 6, 2022 <https://www.upov.int/about/en/faq.html#QS10>



*The boundaries shown on this map do not imply the expression of any opinion whatsoever on the part of UPOV concerning the legal status of any country or territory*



	UPOV/ITPGRFA/Nagoya Protocol
	UPOV/ITPGRFA
	UPOV/Nagoya Protocol
	UPOV only



Working together for a better life and a better planet  
in the context of climate change  
while ensuring global food security and supply and  
protecting the environment

