

Technical Working Party for Agricultural Crops**TWA/47/2****Forty-Seventh Session
Naivasha, Kenya, May 21 to 25, 2018****Original:** English
Date: May 23, 2018

REPORT ON DEVELOPMENTS IN UPOV*Document prepared by the Office of the Union**Disclaimer: this document does not represent UPOV policies or guidance*

The Annex to this document contains a copy of a presentation “Reports on developments within UPOV” to be made by the Office of the Union at the forty-seventy session of the Technical Working Party for Agricultural Crops (TWA).

[Annex follows]

Preview

- Membership & statistics
- Topics for discussion in CAJ (October 2018)
 - EDV
 - Propagating material
 - Provisional protection
 - Minimum distance
- Communicating the benefits of UPOV

2

MEMBERSHIP OF UPOV

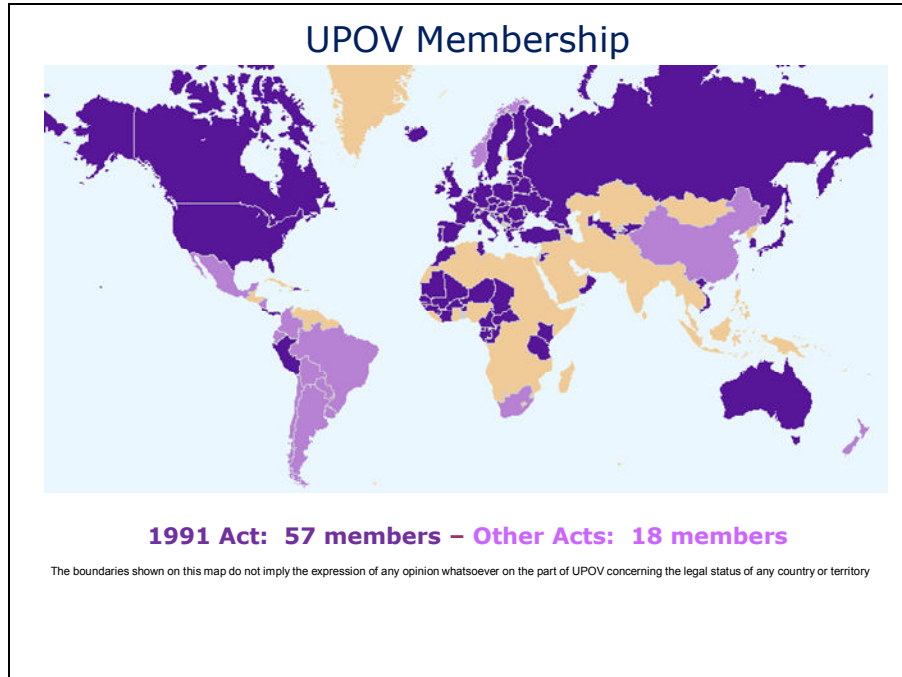
75 members

New member

Bosnia and Herzegovina **October 10, 2017***

* Bosnia and Herzegovina will become bound to the 1991 Act on November 10, 2017.

3



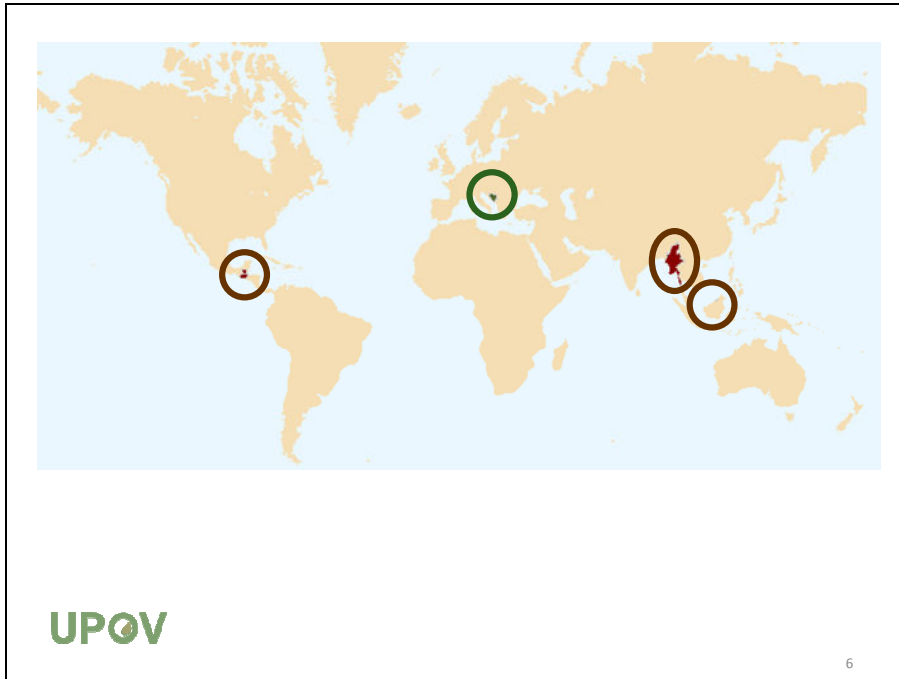
SITUATION in UPOV

Examination of Laws

	<u>Council session</u>	<u>Advice</u>
Brunei Darussalam	October 26, 2017	Positive
Guatemala	October 26, 2017	Positive
Myanmar	October 26, 2017	Positive

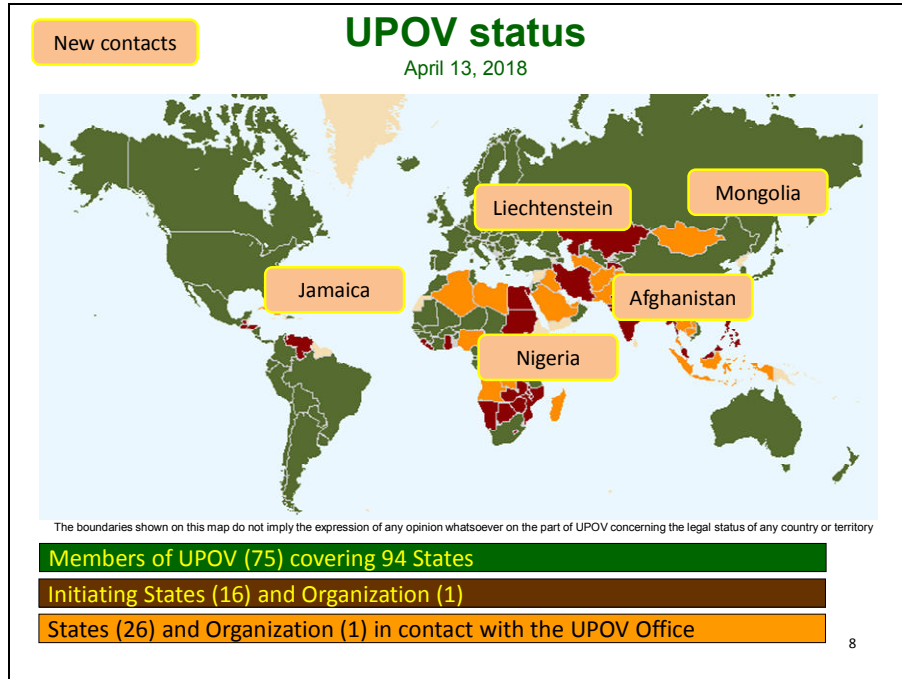
UPOV

5



Previous Council decisions

State/Organization	Date of latest Council decision	Decision matter	Decision
Islamic Republic of Iran	October 2015	Law	
Egypt	March 2015	Draft Law	Positive
ARIPO	April 2014	Draft Protocol*	Positive
Ghana	October 2013	Draft Law	Positive
Tajikistan	October 2010	Draft Law	Positive
Guatemala	October 2009	Draft Law*	Positive
India	April 2008	Procedure	
Zimbabwe	April 2008	Law*	Positive
Philippines	March 2007	Law	
Malaysia	April 2005	Law	
Mauritius	October 2004	Draft Law*	Positive
Armenia	April 2004	Law*	Positive
Honduras	April 2000	Draft Law	Positive
Kazakhstan	April 2000	Law*	Positive
Venezuela (Bolivarian Republic of)	April 1998	Draft Regulations	Positive



Top 10: UPOV members by number of applications

Rank	2007		2015		2016	
	Member	Number of applications	Member	Number of applications	Member	Number of applications
1	European Union	2'968	European Union	3'111	European Union	3'299
2	United States of America	1'485	China ↑3	2'342	China	2'923
3	Japan	1'406	United States of America ↓1	1'634	United States of America	1'604
4	Russian Federation	885	Ukraine ↑3	1'075	Ukraine	1'274
5	China	877	Japan ↓2	914	Japan	977
6	Netherlands	846	Netherlands	799	Republic of Korea ↑1	966
7	Ukraine	560	Republic of Korea ↑1	757	Netherlands ↓1	804
8	Republic of Korea	527	Russian Federation ↓4	743	Russian Federation	772
9	Canada	430	Australia ↑1	359	Australia	387
10	Australia	336	Brazil ↑3	355	Brazil	326

9

Top 20: Country of residence of applicants (2016)

Rank	Country of residence of breeder	Applications filed as:				
		Resident			Non-resident	Total
		Resident	CPVO (EU member States)	Total		
1	Netherlands	674	1'281	1'955	1'174	3'129
2	China	2'686	0	2'686	34	2'720
3	United States of America	812	0	812	1'223	2'035
4	France	67	467	534	516	1'050
5	Germany	50	395	445	489	934
6	Republic of Korea	860	0	860	26	886
7	Japan	609	0	609	152	761
8	Russian Federation	613	0	613	1	614
9	Ukraine	364	0	364	0	364
10	Australia	140	0	140	176	316
11	Switzerland	5	0	5	307	312
12	Brazil	200	0	200	71	271
13	Denmark	2	101	103	151	254
14	Argentina	171	0	171	62	233
15	United Kingdom	17	95	112	108	220
16	Spain	29	70	99	100	199
17	Italy	11	79	90	109	199
18	Israel	45	0	45	141	186
19	Czech Republic	60	15	75	89	164
20	Viet Nam	162	0	162	0	162
Sum of top 20		7'577	2'503	10'080	4'929	15'009
Others		749	118	867	579	1'446
Total		8'326	2'621	10'947	5'508	16'455

Top 20: Country of residence of applicants

Rank	2007		2015		2016	
	Residence	App. #	Residence	App. #	Residence	App. #
1	Netherlands	2'600	Netherlands	2'720	Netherlands	3'129
2	United States of America	1'764	China	2'100	China	2'720
3	Germany	1'336	United States of America	2'027	United States of America	2'035
4	Japan	1'283	France	1'038	France	1'050
5	China	818	Germany	942	Germany	934
6	Russian Federation	777	Japan	766	Republic of Korea	886
7	France	621	Republic of Korea	647	Japan	761
8	Republic of Korea	388	Russian Federation	640	Russian Federation	614
9	Ukraine	318	Ukraine	412	Ukraine	364
10	Australia	314	Australia	368	Australia	316
11	United Kingdom	253	Switzerland	358	Switzerland	312
12	Argentina	243	Spain	306	Brazil	271
13	Denmark	225	Argentina	248	Denmark	254
14	Italy	193	Brazil	223	Argentina	233
15	Spain	181	United Kingdom	219	United Kingdom	220
16	Switzerland	178	Denmark	191	Spain	199
17	New Zealand	176	Israel	180	Italy	199
18	Israel	174	Italy	148	Israel	186
19	South Africa	144	New Zealand	135	Czech Republic	164
20	Brazil	121	Canada	119	Viet Nam	162

Preview

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12

<i>Reference</i>	<i>Explanatory Notes on:</i>	<i>Timetable</i>
UPOV/EXN/EDV/2 (revision)	Essentially Derived Varieties	Adopted by Council in April 2017

Administrative and Legal Committee (CAJ): October 31, 2018

members and observers to share their perspectives on :

Essentially Derived Varieties

- essential characteristics**
- predominantly derived**
- indirect derivation, including in relation to parent lines and hybrids
- assessment of essentially derived varieties**

13

<i>Reference</i>	<i>Explanatory Notes on:</i>	<i>Timetable</i>
UPOV/EXN/PPM/1	Propagating Material	Adopted by Council in April 2017

Administrative and Legal Committee (CAJ): October 31, 2018
members and observers to share their perspectives on :

(b) Conditions and Limitations Concerning the Breeder's
Authorization in Respect of **Propagating Material**
- **suitable examples of conditions and limitations**

<i>Reference</i>	<i>Explanatory Notes on:</i>	<i>Timetable</i>
UPOV/EXN/PRP/2 (revision)	Provisional Protection	Adopted by Council in October 2015

Administrative and Legal Committee (CAJ): October 31, 2018
members and observers to share their perspectives on :

(c) **Scope of Provisional Protection**

Preview

- Membership & statistics
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 - **Minimum distance**
- Communicating the benefits of UPOV

16

TECHNICAL COMMITTEE

October 29 and 30, 2018, Geneva

Discussion on: minimum distance between varieties

Administrative and Legal Committee (CAJ): October 31, 2018 Program

In response to a suggestion by CIOPORA and AIPH for the CAJ to consider the matter of minimum distance, the CAJ agreed to invite **CIOPORA and AIPH to make a joint presentation on minimum distance** at its seventy-fifth session. The CAJ noted that the matter was under consideration by the TC and that a report on the conclusions of the TC would be provided under agenda item 3 “Report on developments in the Technical Committee” at the seventy-fifth session of the CAJ.

17

<p>Technical Working Party for Agricultural Crops (TWA) May 21 to 25, 2018, Naivasha, Kenya Minimum distance between varieties (document by the European Union)</p>
<p>Technical Working Party for Vegetables (TWV) September 17 to 21, 2018, Beijing, China No discussion on minimum distance</p>
<p>Technical Working Party for Fruit Crops (TWF) November 19 to 23, 2018, Santiago de Chile, Chile No discussion on minimum distance</p>
<p>Technical Working Party for Ornamental Plants and Forest Trees (TWO) February 18 to 22, 2019, Christchurch, New Zealand Minimum distances between vegetatively reproduced ornamental and fruit varieties (documents invited)</p>

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ABOUT UPOV

HOME » ABOUT UPOV »

Benefit

VIDEOS

HFFA Research GmbH

The socio-economic benefits of UPOV membership in Viet Nam:
An ex-post assessment on plant breeding and agricultural productivity after ten years

Corresponding author: Steffen Noleppa

Currently being translated into Vietnamese and Thai!

hffa RESEARCH

UPOV

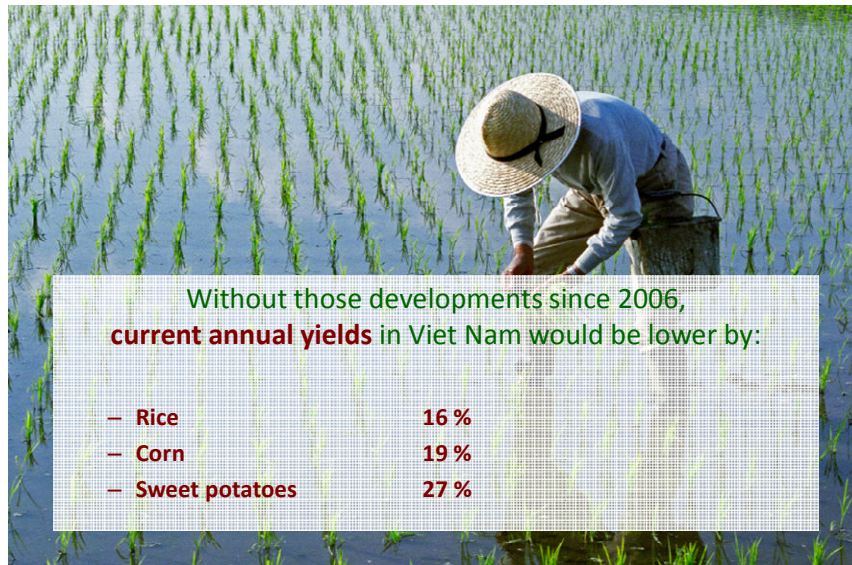
STUDY in VIET NAM*

Annual land productivity developments since Viet Nam joined UPOV in 2006 in
Rice, Corn (maize) and Sweet Potatoes

- **1995-2005:** increase in yield mainly through increased level of inputs – no detectable increase due to plant breeding
- **2006-2016:** annual land productivity increase due to plant breeding
 - Rice 1.7 %
 - Corn 2.1 %
 - Sweet potatoes 3.1 %

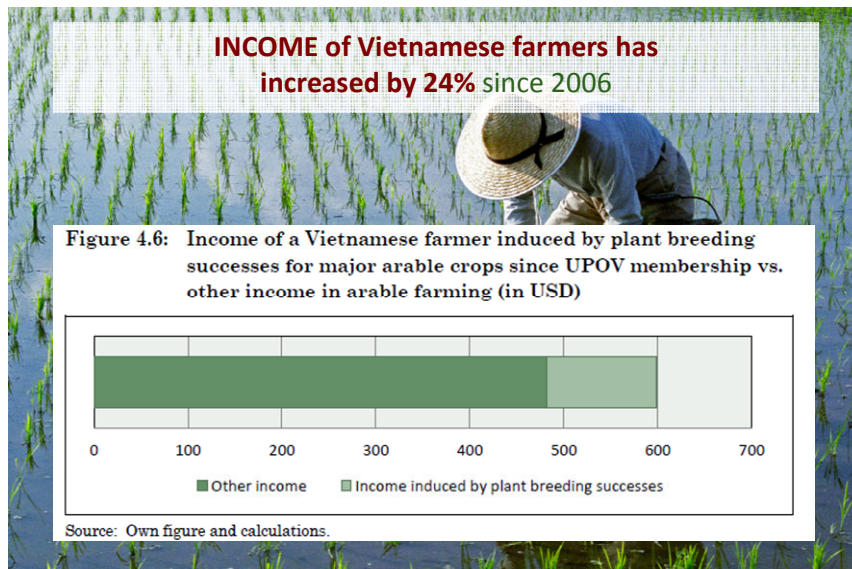
* "The socio-economic benefits of UPOV membership in Viet Nam; An ex post assessment on plant breeding and agricultural productivity after 10 years" (Corresponding author: Steffen Noleppa) by HFFA Research GmbH

STUDY in VIET NAM



22

STUDY in VIET NAM



23

STUDY in VIET NAM

Annual value added:

- Arable farming \$2.3 billion
- Horticulture \$1.0 billion
- Floriculture \$ 0.2 billion

- GDP added upstream/downstream (value chains)
\$1.5 billion

TOTAL ADDED: \$5 billion
(> 2.5% GDP)

24


ABOUT UPOV

- MISSION STATEMENT
- OVERVIEW
- ORGANIGRAM
- OFFICE OF UPOV
- OFFICERS
- UPOV CONVENTION
- BENEFITS OF UPOV SYSTEM**
- KEY ISSUES
- FAQS
- PUBLICATIONS

HOME » ABOUT UPOV »

Benefits of the UPOV System

VIDEOS



Using the UPOV system to benefit custodians of native wild germplasm in Argentina



PVP in Ecuador
MUYU

The role of PVP in the development of a new blackberry variety that improves farmers' working conditions.

Subtitles available in French and Spanish!

UPOV

25



the plant variety protection system, using property titles, under the seed law, which conforms to the UPOV Convention,

and systems for access to plant genetic resources

26

Using the UPOV System to benefit custodians of native wild germplasm in Argentina



*“The royalties derived from commercialization of the variety are shared between the breeder and **the provinces that contributed the native plant genetic resource.**”*

UPOV

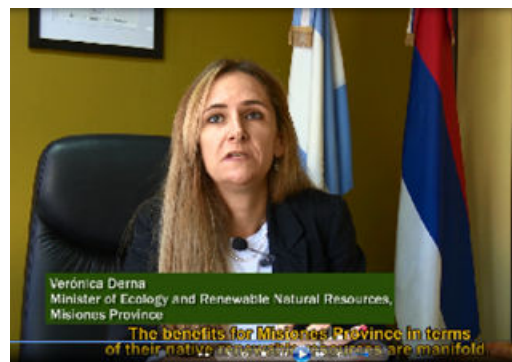
Using the UPOV System to benefit custodians of native wild germplasm in Argentina



*"A large part of the profits, basically, **50 per cent**, that are generated from the commercialization **return to those provinces.**"*

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Using the UPOV System to benefit custodians of native wild germplasm in Argentina



*"**the erosion/loss from their natural habitat is reduced** and this is therefore our own contribution, working together with INTA, for the conservation of our native natural resources."*

UPOV

Deutsch Español Français Other »

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ABOUT UPOV MEMBERSHIP UPOV SYSTEM DATA & STATISTICS MEETINGS NEWS

New videos on benefits of the UPOV system in Canada and Kenya

Stakeholder features

- Breeders
- Farmers and Growers
- Policy makers
- General Public

UPOV PRISMA
PBR Application Tool

GENIE Database

UPOV Lex

Plant Variety Database (PLUTO)

Welcome

The International Union for the Protection of New Varieties of Plants (UPOV) is an intergovernmental organization with headquarters in Geneva (Switzerland).

Quick Links

UPOV

30

Benefits of the UPOV System

VIDEOS

(Canada) Canadi...
UPOV
5:27

(Kenya) Rose Ind...
UPOV
ROSE INDUSTRY
LOOMING IN KENYA
5:50

Canadian cherry growers benefit from government policy

See how the Government of Canada uses PVP to improve the livelihood of Canadian cherry growers

Rose industry blooming in Kenya

Discover how the UPOV system enabled Kenya to develop a \$500 million cut-flower industry that employs 500,000 Kenyans

UPOV [\(Long version\)](#)

31