

Technical Working Party for Ornamental Plants and Forest Trees TWO/51/2**Fifty-First Session**
Christchurch, New Zealand, February 18 to 22, 2019**Original:** English
Date: February 14, 2019

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 on "Report on developments in UPOV", to be made at the fifty-first session of the Technical Working Party for Ornamental Plants and Forest Trees (TWO).

[Annex follows]

Technical Working Party for Ornamental Plants
and Forest Trees
Fifty-First Session

REPORT ON DEVELOPMENTS IN UPOV

Office of the Union

Christchurch, New Zealand, February 18, 2019

UPOV

International Union for the Protection of New Varieties of Plants

Preview

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

UPOV

MEMBERSHIP OF UPOV

75 members

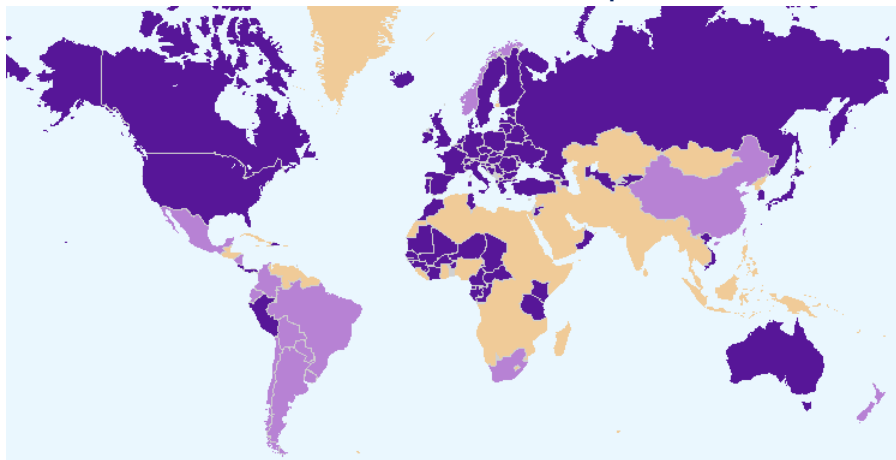
New member

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

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

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UPOV Membership



1991 Act: 57 members – Other Acts: 18 members

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

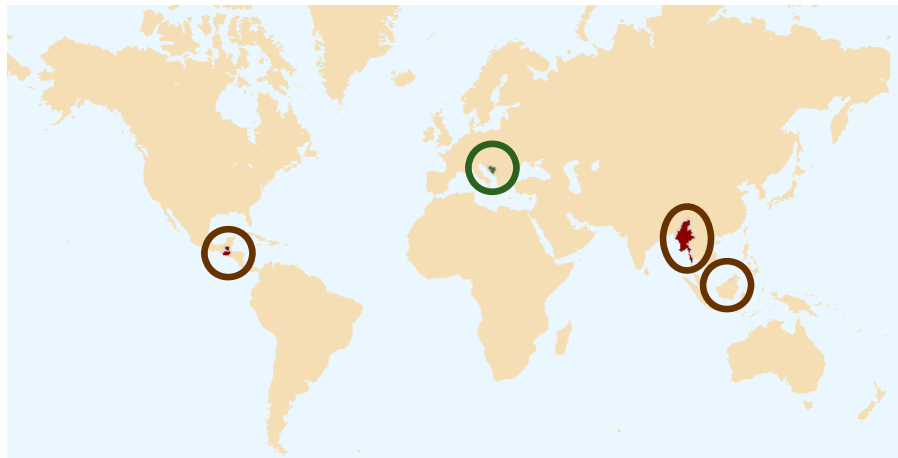
SITUATION in UPOV

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

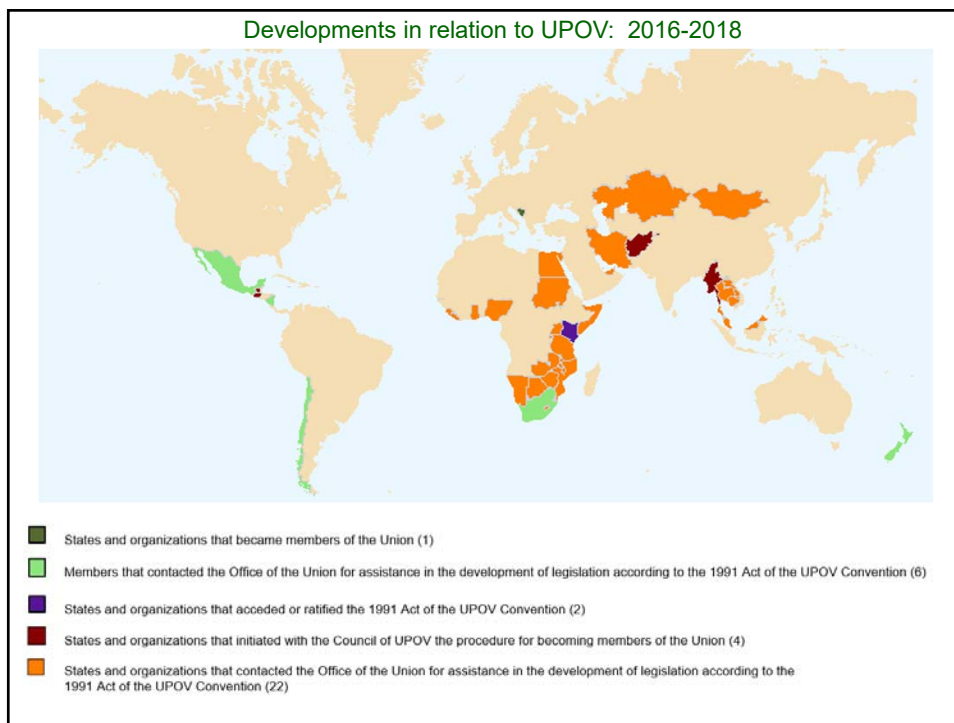
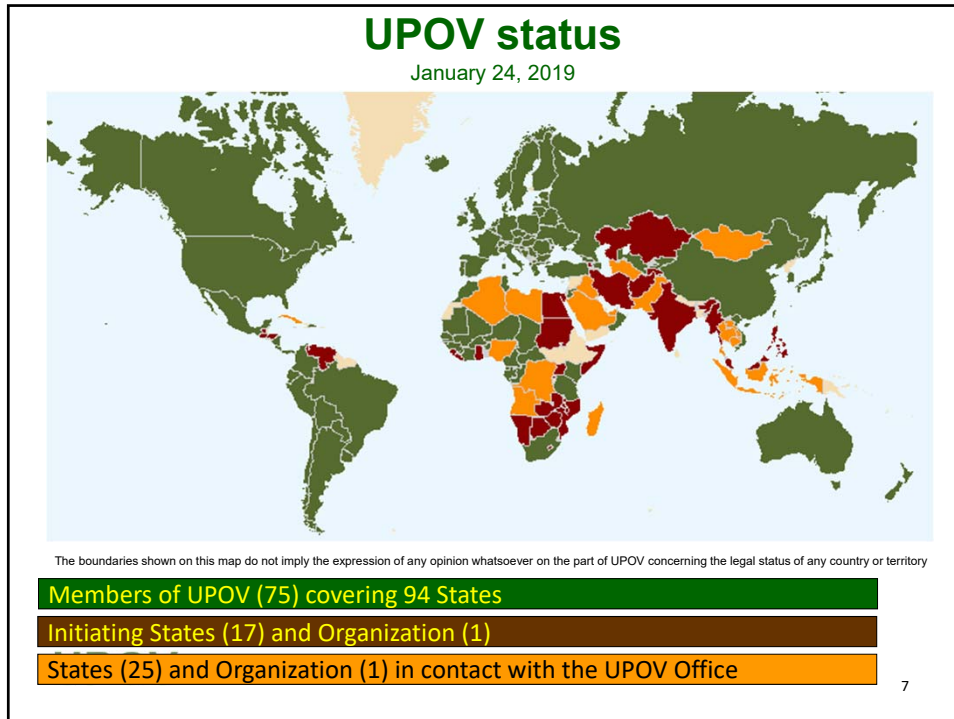
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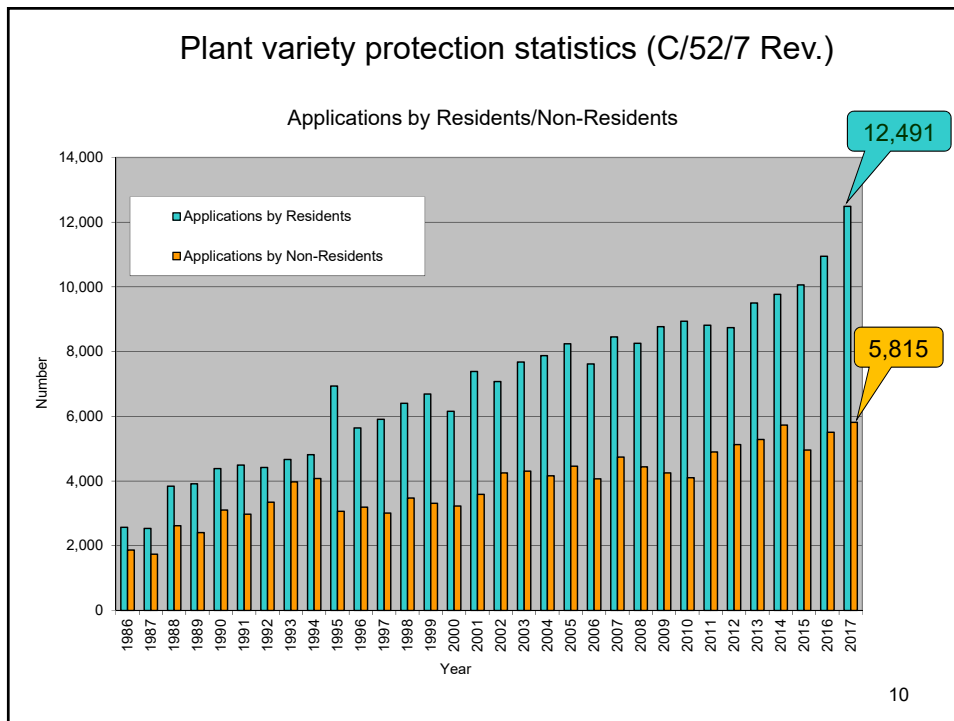
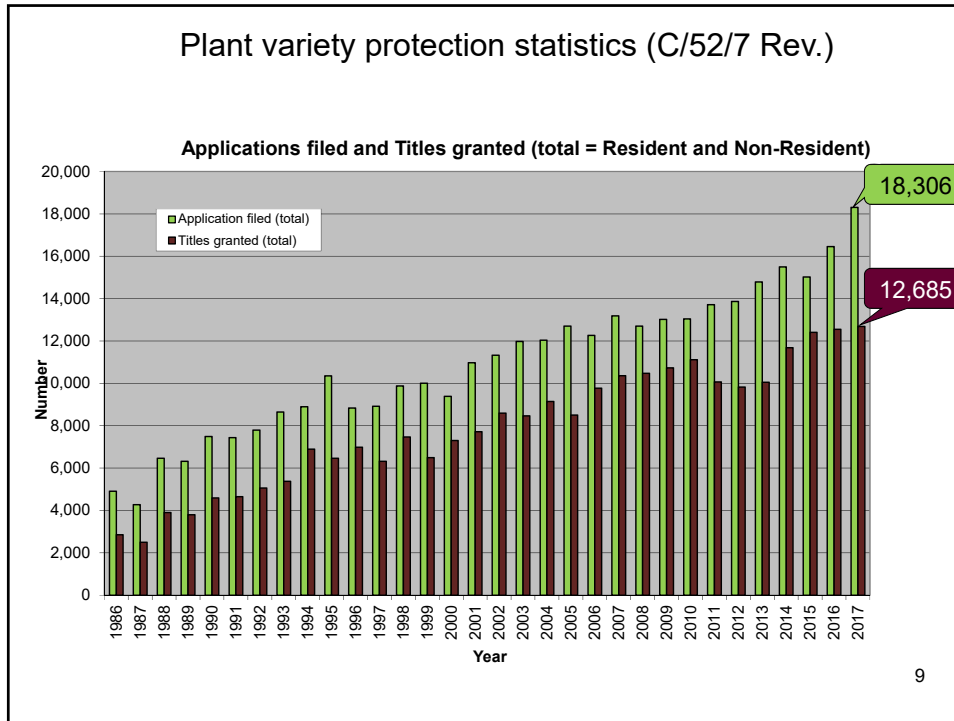
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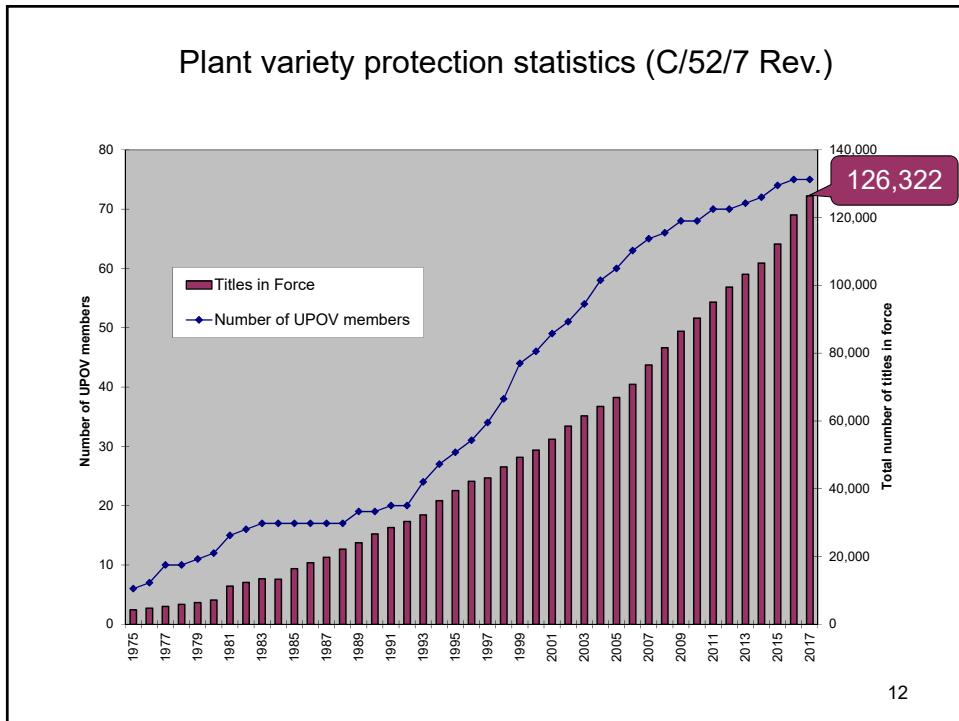
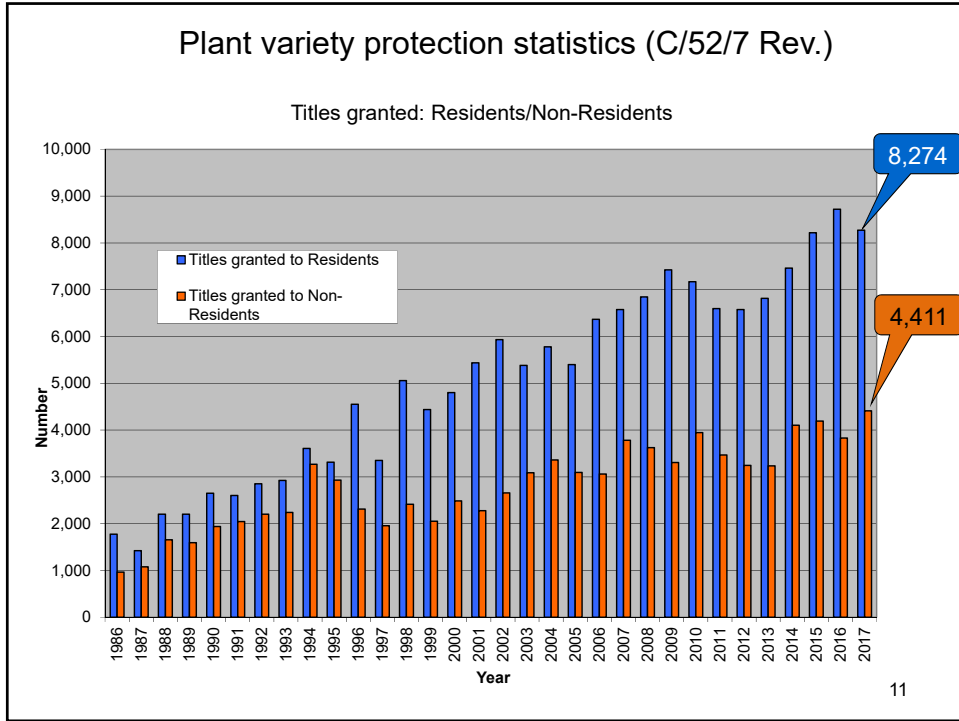


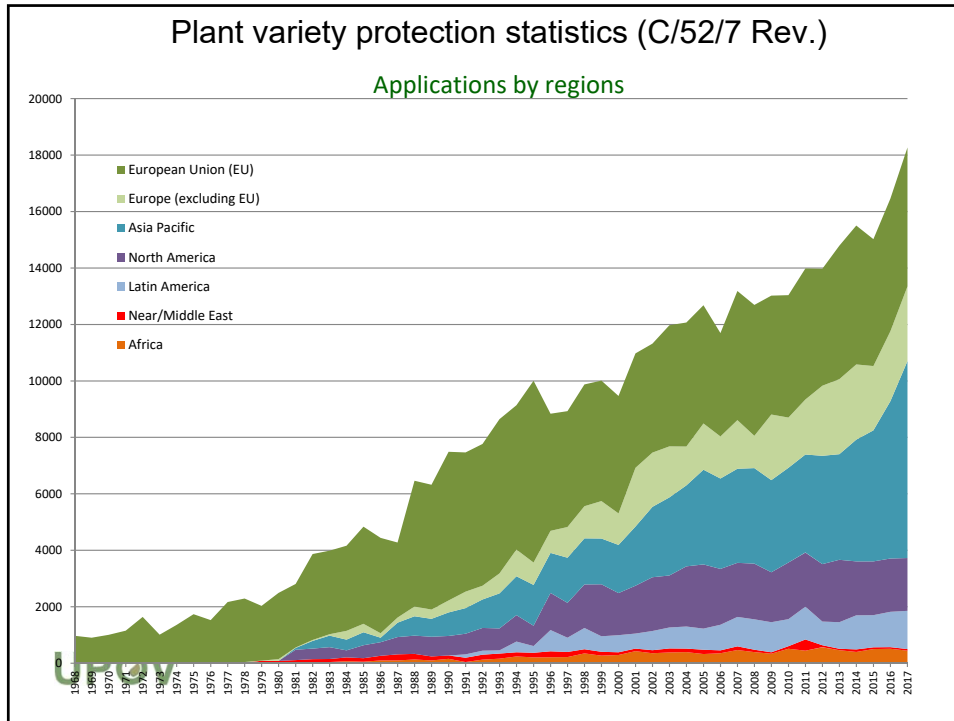
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Preview

- Membership & statistics
- Topics for discussion in CAJ (October 2018)
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- Communicating the benefits of UPOV

<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

- (i) **essential characteristics**
- (ii) **predominantly derived**
- (iii) indirect derivation, including in relation to parent lines and hybrids
- (iv) **assessment of essentially derived varieties**

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**Administrative and Legal Committee (CAJ):
Seventy-fifth session - October 31, 2018**

Document CAJ/75/14 “Report”

Presentations on essentially derived varieties

14. The CAJ considered document CAJ/75/3 and the presentations made by the United States of America, the International Community of Breeders of Asexually Reproduced Ornamental and Fruit Varieties (CIOPORA), the European Seed Association (ESA) and the International Seed Federation (ISF) on essentially derived varieties.

15. The CAJ agreed to propose to the Council to organize a “Seminar on the impact of policy on essentially derived varieties (EDVs) on breeding strategy”, to be held on the morning of October 30, 2019.

16. The CAJ agreed that the seminar should include presentations by breeders, judges, academics and UPOV member authorities to provide a range of perspectives on the subject. The Office of the Union would invite members and observers to submit questions and issues which they would wish to be addressed in the seminar. The Office of the Union, in consultation with the Chair of the CAJ, would then prepare a draft program for comment by the CAJ by correspondence. On the basis of comments received, the Chair of the CAJ in conjunction with the Office of the Union would finalize the program. The CAJ agreed that the seminar should be open to the public, with the recording of the seminar being made available on the UPOV website after a suitable broadcast delay.

17. The CAJ agreed that the consideration of the revision of the Explanatory Notes would be included in the agenda for the seventy-sixth session of the CAJ, and the outcome of the seminar would be a basis to that consideration.

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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.

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Technical Working Party for Agricultural Crops (TWA)

May 21 to 25, 2018, Naivasha, Kenya

Minimum distance between varieties

(document by the European Union)

Technical Working Party for Vegetables (TWV)

September 17 to 21, 2018, Beijing, China

No discussion on minimum distance

Technical Working Party for Fruit Crops (TWF)

November 19 to 23, 2018, Santiago de Chile, Chile

No discussion on minimum distance

Technical Working Party for Ornamental Plants and Forest Trees (TWO)

February 18 to 22, 2019, Christchurch, New Zealand

Minimum distances between vegetatively reproduced ornamental

(documents invited)

Technical Committee Fifty-fourth session - October 29 and 30, 2018

Document TC/54/31 "Report"

Minimum distance between varieties

200. The TC considered discussions on minimum distances between varieties at the TWPs, at their sessions in 2017 and 2018, as set out in paragraphs 26 to 41 of document TC/54/3.

201. The TC noted that a follow-up project based on field trials was being considered with the participation of breeders of protected varieties and **agreed to include an agenda item for its fifty-fifth session for a report on developments.**

TECHNICAL COMMITTEE Program for the fifty-fifth session

1. Opening of the session
2. Adoption of the agenda
3. Report on developments in UPOV including relevant matters discussed in the last sessions of the Administrative and Legal Committee, the Consultative Committee and the Council
4. Progress reports on the work of the Technical Working Parties, including the Working Group on Biochemical and Molecular Techniques, and DNA-Profiling in Particular (BMT)
5. Matters arising from the Technical Working Parties
6. **TGP documents**
7. Information and databases
 - (a) UPOV information databases
 - (b) UPOV PRISMA
 - (c) Exchange and use of software and equipment
 - (d) Variety description databases
8. Molecular techniques
9. Variety denominations
10. Preparatory workshops
11. **International cooperation in examination**
12. **Matters concerning variety descriptions**
13. Differences in notes for the assessment of distinctness
14. **Discussion on: Minimum distances between varieties** (presentations invited)
15. List of genera and species for which authorities have practical experience in the examination of distinctness, uniformity and stability
16. Test Guidelines
17. Program for the fifty-sixth session
18. Adoption of the report (if time permits)
19. Closing of the session

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Administrative and Legal Committee (CAJ): Seventy-fifth session - October 31, 2018

Document CAJ/75/14 "Report"

Joint presentation by CIOPORA and AIPH on minimum distance

22. The CAJ considered documents CAJ/75/12 and CAJ/75/13 and the joint presentation made by the CIOPORA and the International Association of Horticultural Producers (AIPH) on minimum distance.

23. The CAJ requested the TC to report to the CAJ its considerations concerning the discussions on minimum distances between varieties and the follow-up project based on field trials with the participation of breeders of protected varieties.

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ABOUT UPOV

- Mission Statement
- Overview
- Organigram
- Office of UPOV
- Officers
- UPOV Convention
- Benefits of UPOV System
- Key Issues
- FAQs
- Publications

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Benefit

VIDEOS

- Using the U...
custodians of
Argentina
- variety prot...
TOKUGAWA
- PVP in Japan (As...
Ashiro Rindo Story

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

**Available in English and Vietnamese
Thai translation available shortly!**

HFFA Research GmbH

HFFA Research Paper 03/2017

Publications

- [Socio-economic benefits of UPOV membership in Viet Nam: An ex-post assessment on plant breeding and](#)
- [UPOV Report on the Impact of Plant Variety Protection](#)
- [UPOV Trilogy Publication Executive Summary](#)

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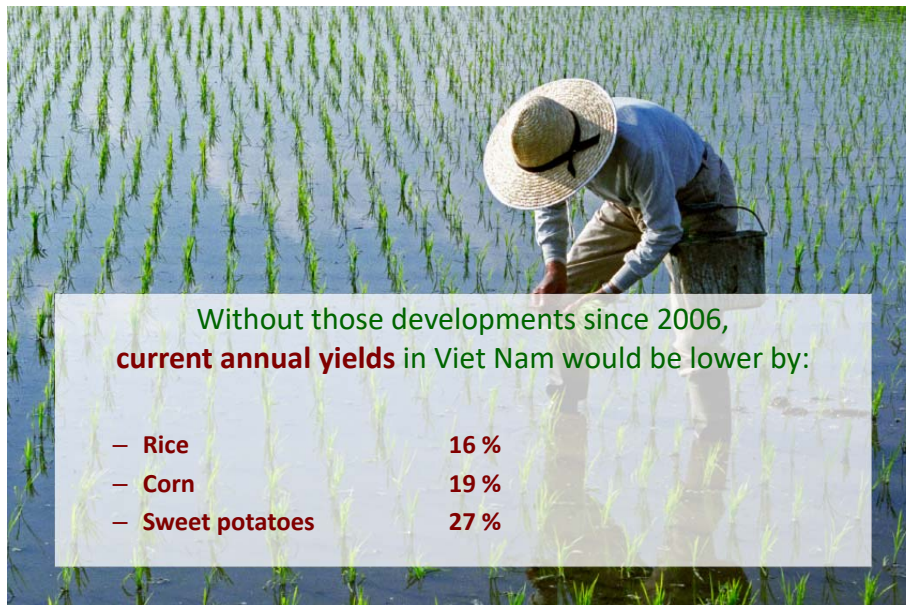
STUDY in VIET NAM*

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

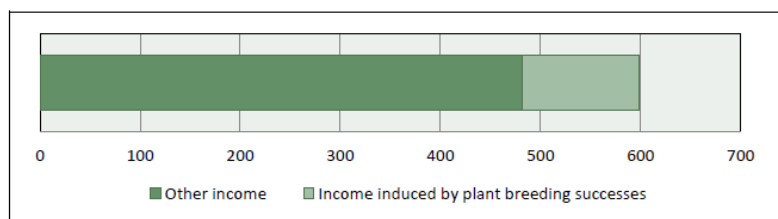


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STUDY in VIET NAM

INCOME of Vietnamese farmers has
increased by 24% since 2006

Figure 4.6: Income of a Vietnamese farmer induced by plant breeding successes for major arable crops since UPOV membership vs. other income in arable farming (in USD)



Source: Own figure and calculations.

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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)

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Benefits of the UPOV System

VIDEOS



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



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

UPOV

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UPOV Videos

VIDEOS



Canadian cherry growers benefit from government policy

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

Languages available:
EN audio
Subtitles: FR, ES

Nick Ibuki, Business Development Manager, Summerland Varieties Corp.

*One of the biggest competitive challenges **in the past**, before plant breeders' right was that **new varieties would be developed here in British Columbia and they would actually be used to compete against our BC growers**. So our growers would be competing against varieties that they paid to develop here [...]*

Sean Beirnes, General Manager, Summerland Varieties Corp.

*When it comes to licencing, **we provide Canadian growers and marketers with priority access**. By strategically allocating production and marketing territories, we ensure that Canadian growers and marketers, who represent a very small portion of the international fruit market, have an even playing field on which to compete. **We would not be able to do this without plant breeders' rights**.*

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UPOV Videos



Tsuyahime ^{new}

A new rice variety bringing increased income for farmers in Japan

Languages available:
EN audio
Subtitles: FR, ES (ZH, TH)

This new rice variety is enjoying a **30% premium**

Tsuyahime was developed by Yamagata prefecture, which has created a breeding station because they consider new rice varieties to be one of the most **effective means of providing benefits to farmers**.

They are willing to **invest time and resources** into the breeding process because they are able to **develop and protect varieties** that benefit their farmers.

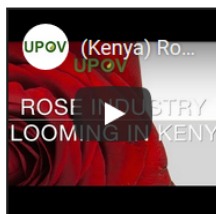
Atsushi Suginaka, Director, Intellectual Property Division, MAFF, Japan.

*For Japanese rice variety Tsuyahime, the breeder's right holder utilizes the **breeder's right to allow Tsuyahime production only to the farmers who can make environmentally friendly and high quality rice production**.*

*This is a good example that internationally harmonized PVP system can **contribute to the development of local agriculture**.*

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UPOV Videos



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

Languages available:
EN audio
Subtitles: FR, ES

Esther Kimani, Managing Director, Kenya Plant Health Inspectorate Service (KEPHIS).

*The benefit of plant variety protection in Kenya is that it has **really promoted agricultural trade** .. Kenya is a **leading exporter in cut flowers**, especially roses **because the breeders of roses feel confident to have their variety being exploited in Kenya***

George Mwangi, Propagation Manager, Suera Flowers Ltd, Nyahururu

Most of the managers available now are **indigenous Kenyans**, these are well-educated people. Now **local universities are offering training completely** oriented towards **floriculture and horticulture**, there are horticultural courses that are being developed and we are getting a more enlightened workforce in the farms...In the next ten years, we'll start getting or seeing a lot of roses grown in Kenya that are **completely bred in Kenya**.

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UPOV Member videos



Argentina

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.**"



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

Languages available:
ES audio
Subtitles: EN

UPOV

UPOV Member videos

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

Argentina
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 Member videos

UPOV system bringing benefits for agriculture in Colombia


UPOV system bringing benefits for agriculture in Colombia

See how the UPOV system is supporting agriculture and promoting rural development through new improved varieties, with examples of sugar beet and ornamentals


“...after we started the process of protecting these varieties, we were able to receive financial compensation. The aim is not to make a profit, but to reinvest in the development of improved varieties”

Jorge Victoria, Scientific Advisor, Cenicafé

“That is why we have also registered our varieties in countries...”



Languages available:
ES audio
Subtitles: EN, FR



UPOV Member videos



UPOV system bringing benefits for agriculture in Colombia

See how the UPOV system is supporting agriculture and promoting rural development through new improved varieties, with examples of sugar beet and ornamentals

UPOV system bringing benefits for agriculture in Colombia

“Plant variety protection in Colombia, through the UPOV system, has greatly boosted various productive industries, including floriculture. **The floriculture industry benefited from the arrival in the country of new businesses...**”




“...which introduced **new ornamental plant varieties**”




“...these new varieties have helped to achieve **greater efficiency in the cultivation and production of an end product** which meets market needs.”

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Videos in the pipeline



WHEAT – Agroscope, Changins, Switzerland



TOMATO – based on the presentation made at the TC meeting in April 2017 on the increased diversity of cultivated tomatos

UPOV

UPOV Social Media



Follow us to find out more about how the UPOV system benefits farmers, growers and breeders worldwide and news on events, videos, reports and more.



@UPOVint

Becomes active: March 5



@vsgupov

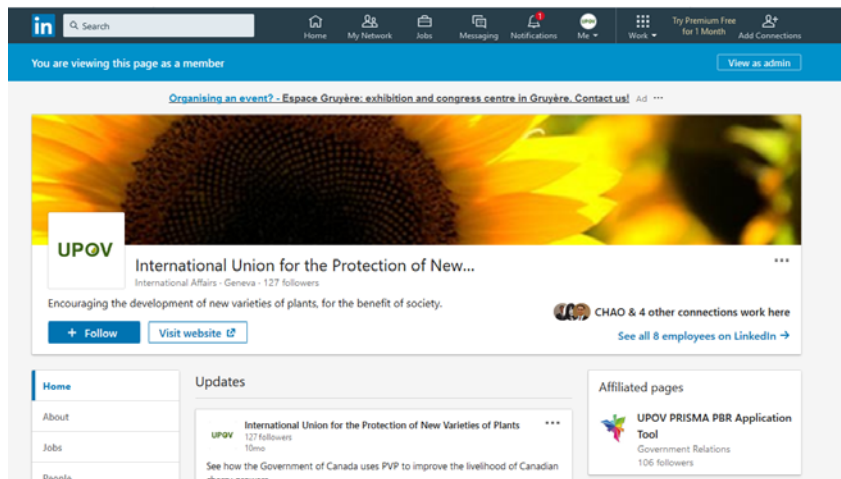
Becomes active: March 7



International Union for the Protection of New Varieties of Plants



<https://www.linkedin.com/company/upov-official/>



Accessible from UPOV Website



[End of Annex and of document]