

Technical Working Party on Automation and Computer Programs TWC/37/2

Thirty-Seventh Session
Hangzhou, China, October 14 to 16, 2019

Original: English
Date: October 9, 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 “Reports on developments in UPOV” to be made by the Office of the Union at the thirty-seventh session of the Technical Working Party on Automation and Computer Programs (TWC).

[Annex follows]

TECHNICAL WORKING PARTY FOR
AUTOMATION AND COMPUTER PROGRAMS
Thirty-Seventh Session

REPORT ON DEVELOPMENTS IN UPOV

Office of the Union

Hangzhou, China, October 14 to 16, 2019

UPOV

International Union for the Protection of New Varieties of Plants

Preview

- Membership & statistics
- Report on regular activities of UPOV
- Calendar UPOV meetings 2019
- Communicating the benefits of UPOV

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- UPOV PRISMA

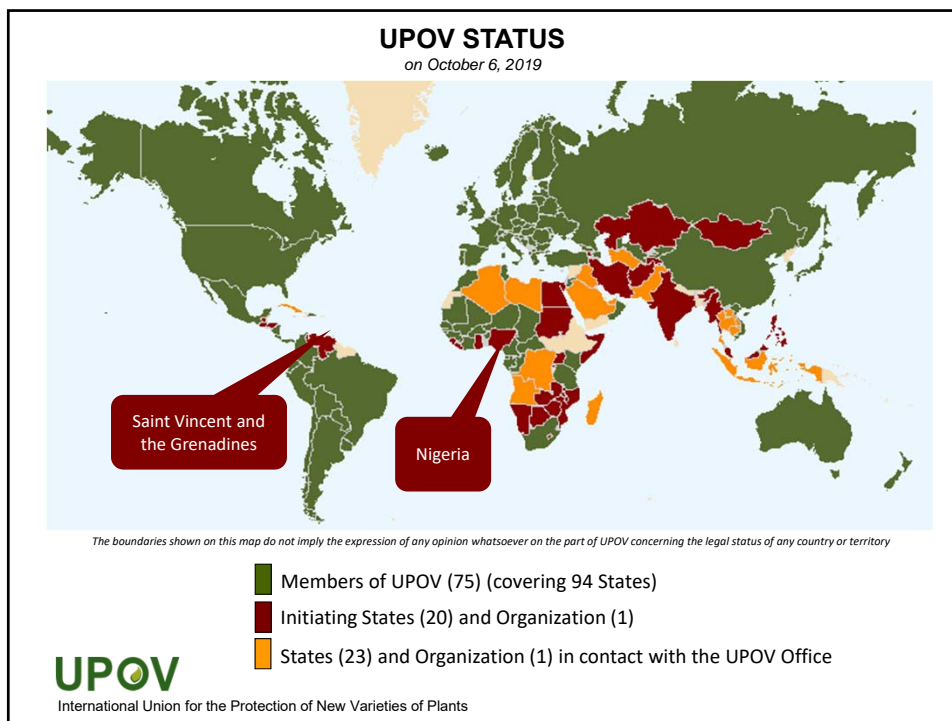
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UPOV Membership



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

1991 Act: 58 members
Other Acts: 17 members
[94 States covered by UPOV Convention]



First Examination of Laws by the Council by correspondence

Positive decision on the Draft Law of Nigeria

The Council took a **positive decision** on the conformity of the “**Plant Variety Protection Bill of Nigeria**” (“Draft Law”) with the 1991 Act of UPOV Convention, which allows Nigeria once the Draft Law is adopted with no changes and the Law is in force, to deposit its instrument of accession to the 1991 Act.

Positive decision on the Draft Law of Saint Vincent and the Grenadines

The Council took a **positive decision** on the conformity of the “**Plant Breeders’ Protection Bill 2019 of Saint Vincent and the Grenadines**” (“Draft Law”) with the 1991 Act of the UPOV Convention, which allows Saint Vincent and the Grenadines once the Draft Law is adopted with no changes and the Law is in force, to deposit its instrument of accession to the 1991 Act.

UPOV

International Union for the Protection of New Varieties of Plants

Examination of Laws by the Council (53rd session)

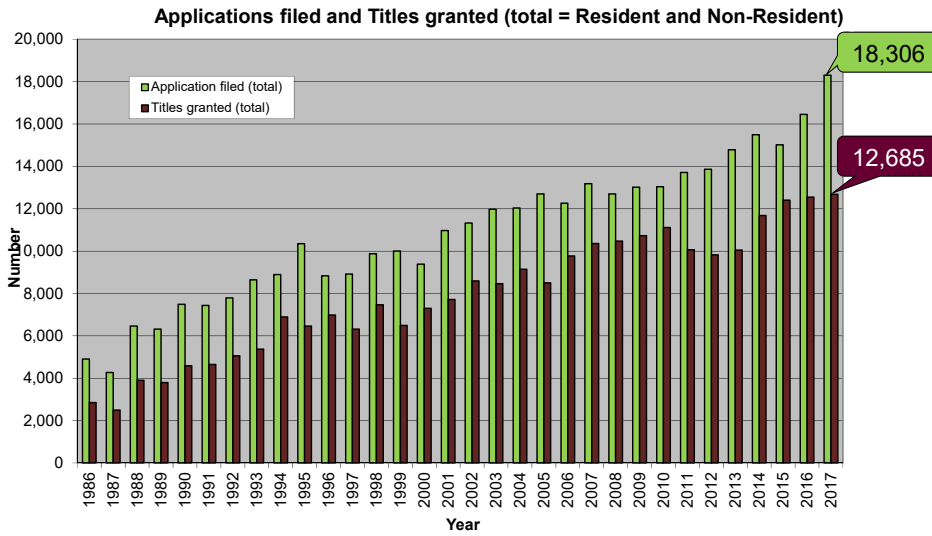
UPOV STATUS on October 6, 2019

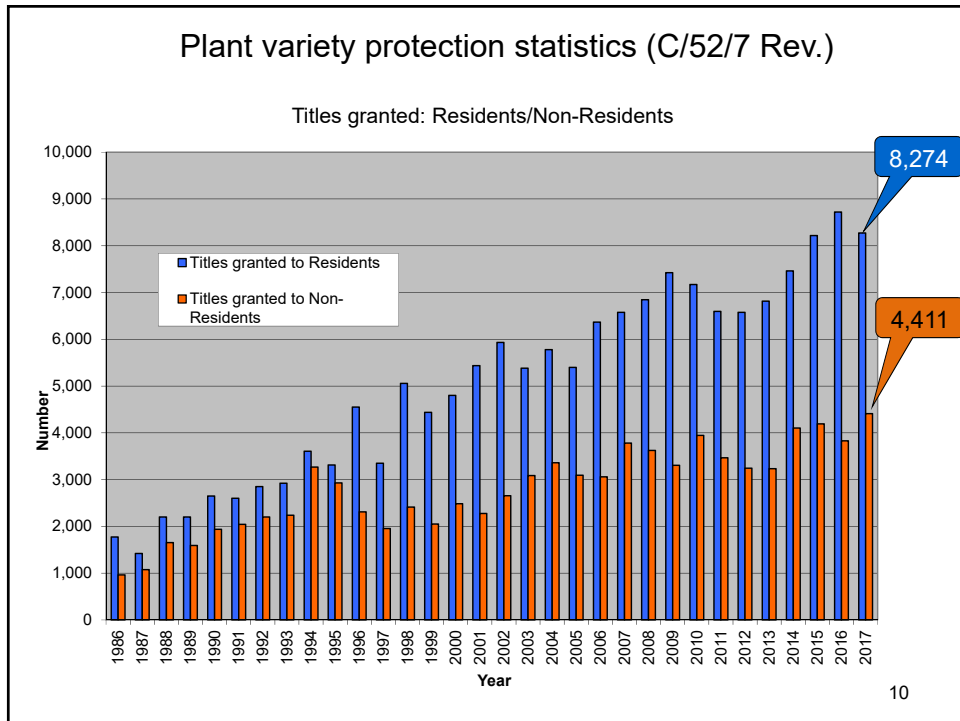
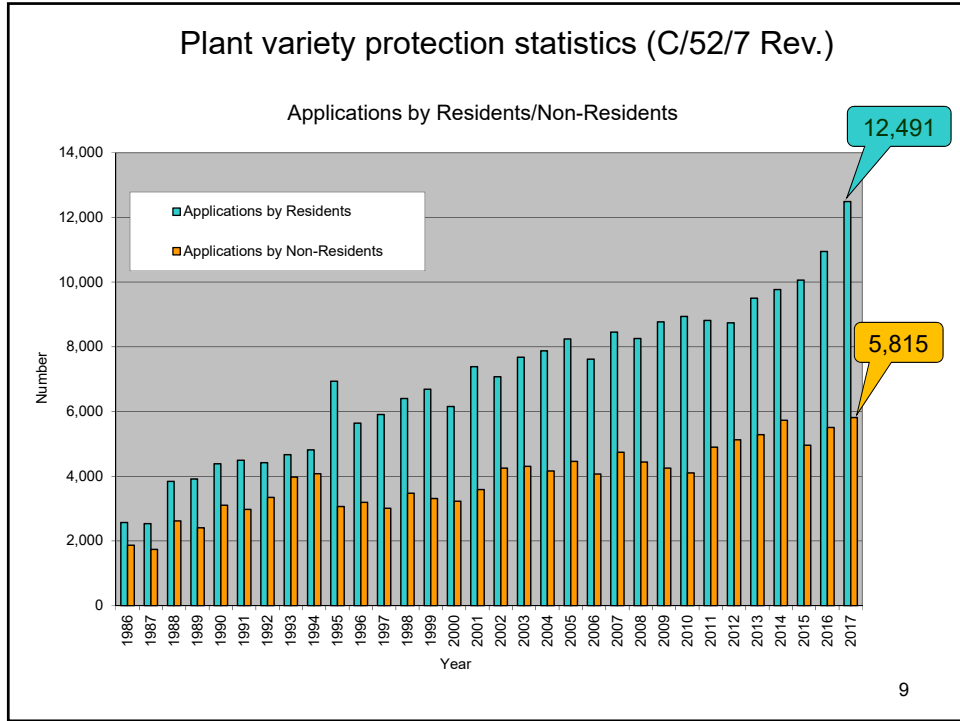


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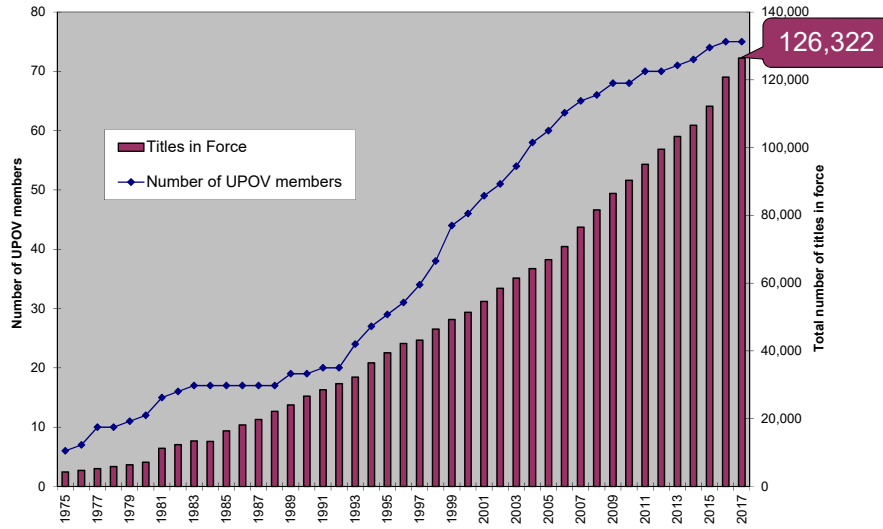
- Members of UPOV (75) (covering 94 States)
- Initiating States (20) and Organization (1)
- States (23) and Organization (1) in contact with the UPOV Office

Plant variety protection statistics (C/52/7 Rev.)



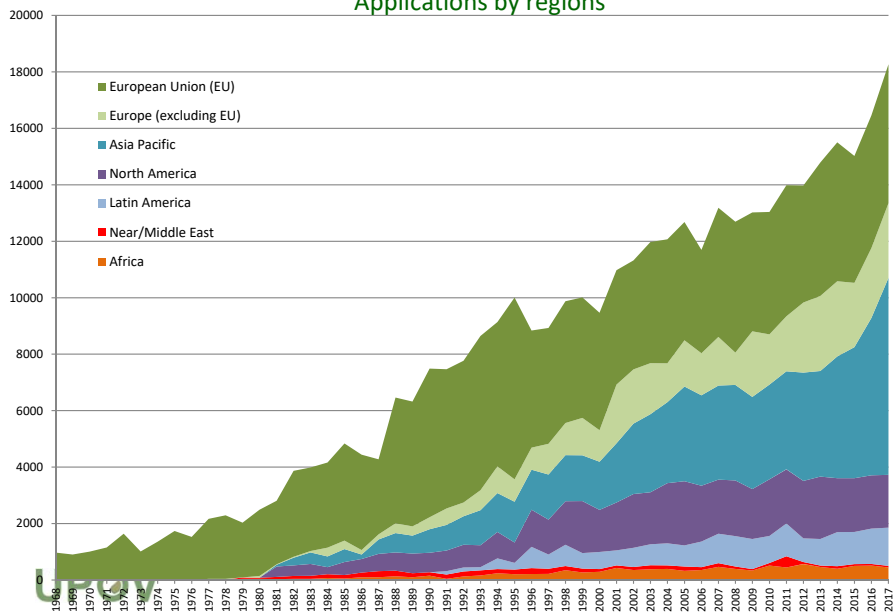


Plant variety protection statistics (C/52/7 Rev.)



Plant variety protection statistics (C/52/7 Rev.)

Applications by regions



Preview

- Membership & statistics
- **Report on regular activities of UPOV**
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- UPOV PRISMA

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The screenshot shows the UPOV website homepage. At the top, there is a navigation menu with links for 'UPOV SYSTEM', 'PVP DATA & STATISTICS', 'MEETINGS', and 'NEWS'. Below the menu is a large banner image of sunflowers with the text 'Follow @UPOVint on Twitter to see more...'. To the right of the banner is a 'Stakeholder features' section listing 'Breeders', 'Farmers and Growers', 'Policy makers', and 'General Public'. Below this is a 'Quick Links' section with a list of links: 'Introduction to UPOV', 'Benefits of UPOV', 'UPOV Collection', 'UPOV PRISMA (Information)', 'Distance Learning Courses', and 'FAQs'. A red arrow points to the 'Distance Learning Courses' link. The 'Welcome' section contains text about UPOV's mission and history. The page number '14' is visible in the bottom right corner.

UPOV Training

UPOV Distance Learning Courses

Code	Course	Session	Study period	Registration period
DL-205	Introduction to the UPOV System of Plant Variety Protection under the UPOV Convention	Session 1	02-Mar to 05-Apr 2020	13-Jan to 16-Feb 2020
		Session 2	12-Oct to 15-Nov 2020	03-Aug to 13-Sep 2020
DL-305A	Administration of Plant Breeders' Rights (Part A of DL-305 course: Examination of applications for plant breeders' rights)	Session 1	02-Mar to 05-Apr 2020	13-Jan to 16-Feb 2020
		Session 2	12-Oct to 15-Nov 2020	03-Aug to 13-Sep 2020
DL-305B	DUS Examination (Part B of DL-305 course: Examination of applications for plant breeders' rights)	Session 1	02-Mar to 05-Apr 2020	13-Jan to 16-Feb 2020
		Session 2	12-Oct to 15-Nov 2020	03-Aug to 13-Sep 2020
DL-305	Examination of applications for plant breeders' rights	Session 1	02-Mar to 05-Apr 2020	13-Jan to 16-Feb 2020
		Session 2	12-Oct to 15-Nov 2020	03-Aug to 13-Sep 2020

The UPOV Courses are hosted on the WIPO eLearning Center.

DL-205

Introduction to the UPOV System of Plant Variety Protection under the UPOV Convention

DL-305

Advanced Distance Learning Courses

Registrations can be made in three different categories:

Category 1:

Government officials of members of the Union nominated by the relevant representative to the UPOV Council
No fee

Category 2:

Officials of observer States / intergovernmental organizations nominated by the relevant representative to the UPOV Council
(One non-fee paying student per State / intergovernmental organization;
Additional students: CHF1,000 per student)

Category 3:

Others
Fee: CHF1,000



Laws workshop

Workshop on drafting legislation in accordance with the UPOV Convention

Purpose To provide **guidance on drafting legislation** in accordance with the 1991 Act of the UPOV Convention and

To provide an opportunity for **individual meetings** with the UPOV Office to address matters concerning the legislative process in the country of the selected participants

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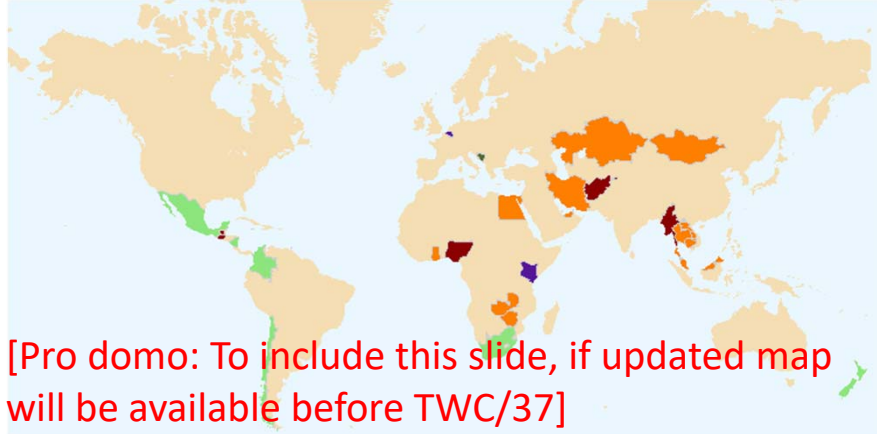
Workshop on drafting legislation in accordance with the UPOV Convention








- Held in Geneva, from January 28 to 30, 2019
- 26 participants from 14 states

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Developments in relation to UPOV: 2016-2019 (status July 8, 2019)



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.

-  States and organizations that became members of the Union during 2016-2019 (1)
-  States and organizations that acceded or ratified the 1991 Act of the UPOV Convention during 2016-2019 (2)
-  Members that contacted the Office of the Union for assistance in the development of legislation according to the 1991 Act of the UPOV Convention during 2016-2019 (7)
-  States and organizations that initiated with the Council of UPOV the procedure for becoming members of the Union during 2016-2019 (6)
-  States and organizations that contacted the Office of the Union for assistance in the development of legislation according to the 1991 Act of the UPOV Convention during 2016-2019 (18)

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Draft Schedule of the UPOV Technical Working Party on Automation and Computer Programs (TWC), Thirty-Seventh Session and The Working Group on Biochemical and Molecular Techniques, and DNA-profiling in particular (BMT), Eighteenth Session, Hangzhou, China					
	Monday, October 14	Tuesday, October 15	Wednesday, October 16	Thursday, October 17	Friday, October 18
08.30	[TWC/3] 1. Opening of the Session 2. Adoption of the agenda (TWC/37/1 Rev.) 3. Short reports on developments in PVP (TWC/37/2 and TWC/37/3)	7. Software, Information and databases (a) UPOV Information databases (TWP/3/4 and TWP/3/4 Add.) (d) UPOV PRISMA (TWP/3/3) (f) Web services provided by UPOV and members of the Union (TWC/37/4)	7. Software, Information and databases(Cont.) (b) Variety description databases (TWP/3/2 and TWC/37/8) (c) Exchange and use of software and equipment (TWP/3/5) (e) Building a database with molecular marker information for the management of variety collections (TWC/37/6)	[Breeders' Day] 11. The use of molecular techniques in examining essential derivation 12. The use of molecular techniques in variety identification (a) MNP marker in PVP (BMT/18/15) (b) Association Analysis of SSR Markers and Agronomic Traits in Soybean (BMT/18/19)	13. Review of document UPOV/INF/17 (cont.) (BMT/18/10 & INF/17/2 Draft 2)
10.30	COFFEE	COFFEE	COFFEE	COFFEE	COFFEE
11.00	8. Statistical methods - The Combined Over-Years Uniformity Criterion (COYU) (TWC/37/7)	4. Variety denominations (TWP/3/6) 5. TGP documents (cont.) - Characteristics which only apply to certain varieties (TWP/3/9) - RHS Colour Chart (TWP/3/11) - Characteristic-specific marker with incomplete information (TWP/3/12) 14. Guidance for TGo drafters (TWP/3/8)	15. Date and place of the next session 16. Future Program 17. Adoption of the Report (if time permits) 18. Closing	5. Molecular techniques in relation to DUS examination (a) Facilitating DUS Testing of Soybean Varieties (BMT/18/8 and BMT/18/9) (d) IMODDUS and INWTE (BMT/18/14) (e) A simple SSR based identification system for sweet potato (BMT/18/16)	15. Session to facilitate cooperation (BMT/18/5)
12.30	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
14.00	6. Assessing Uniformity by OF-Types - Risks associated with assessment of uniformity by off-types on the basis of more than one growing cycle (TWC/37/5) 11. Experience with using two locations by one year for DUS decisions (TWC/37/10)	12. Molecular Techniques (TWP/3/7)	[BMT/18] 1. Opening of the Session 2. Adoption of the agenda (BMT/18/1 Rev.) 3. Developments in UPOV (BMT/18/2) 4. Short report BMT developments (BMT/18/3) 7. Variety description DBs including DBs containing molecular data (BMT/18/6) 8. Management of databases and exchange of data and material 9. Methods of analysis of molecular data	5. Molecular techniques in relation to DUS examination (cont.) (c) Inozuar (BMT/18/12) (f) Use of molecular markers in Argentina (BMT/18/17) (g) Essential information for 'character-specific molecular markers' in TGo (BMT/18/18) 14. Revision of document TGP/15 (BMT/18/7)	16. Date and place of next session 17. Future program
15.30	COFFEE	COFFEE	COFFEE	COFFEE	COFFEE
16.00	9. Image analysis (TWC/37/9) 5. TGP documents (TWP/3/1 Rev. and TWC/37/11) - Data Processing for Assessment of Distinctness and for Producing Variety Descriptions (TWP/3/10) 10. Differences in notes for the assessment of distinctness (TWP/3/13)	13. Cooperation in examination (TWP/3/14)	10. Software tool for marker selection using the traveling salesman algorithm (BMT/18/11) 13. Review of document UPOV/INF/17 "Guidelines for DNA-Profiling, Molecular Marker Selection and Database Construction" (BMT/18/10 and INF/17/2 Draft 2)	14. Revision of document TGP/15 (cont.) 8. Cooperation between international organizations (BMT/18/4) (a) Horizontal methods for molecular biomarker analysis (BMT/18/13) (b) CECD Seed Schemes (BMT/18/20) (c) ISTA (BMT/18/21)	18. Report of the session (if time permits) 19. Closing of the session
18.00					

Cooperation between the TWC and BMT

The TC received the following proposal from the Chairpersons of the TWC and BMT for matters to be considered on **Wednesday, September 16, 2019**, in order to **facilitate discussion and cooperation between the TWC and BMT**. The TC noted that the TWC would meet on the morning of September 16 and the BMT would meet later that day and the items below would be considered at the TWC or BMT session as appropriate.

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The screenshot displays the UPOV website homepage. At the top, a banner features a close-up of a sunflower and the text "UPOV Distance Learning Courses: Registration open". Below the banner, the "Welcome" section provides an overview of UPOV as an intergovernmental organization. A "Stakeholder features" sidebar lists categories such as Breeders, Farmers and Growers, Policy makers, and General Public. Another sidebar lists key resources like UPOV PRISMA, GENE Database, UPOV Lex, and PLUTO. A "Quick Links" section offers direct access to various UPOV services and information. The UPOV logo and website URL are prominently displayed at the bottom.

UPOV Distance Learning Courses:
Registration open

Stakeholder features

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

UPOV PRISMA
PBR Application Tool

GENE 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).

UPOV was established by the International Convention for the Protection of New Varieties of Plants. The Convention was adopted in Paris in 1961 and it was revised in 1972, 1978 and 1991.

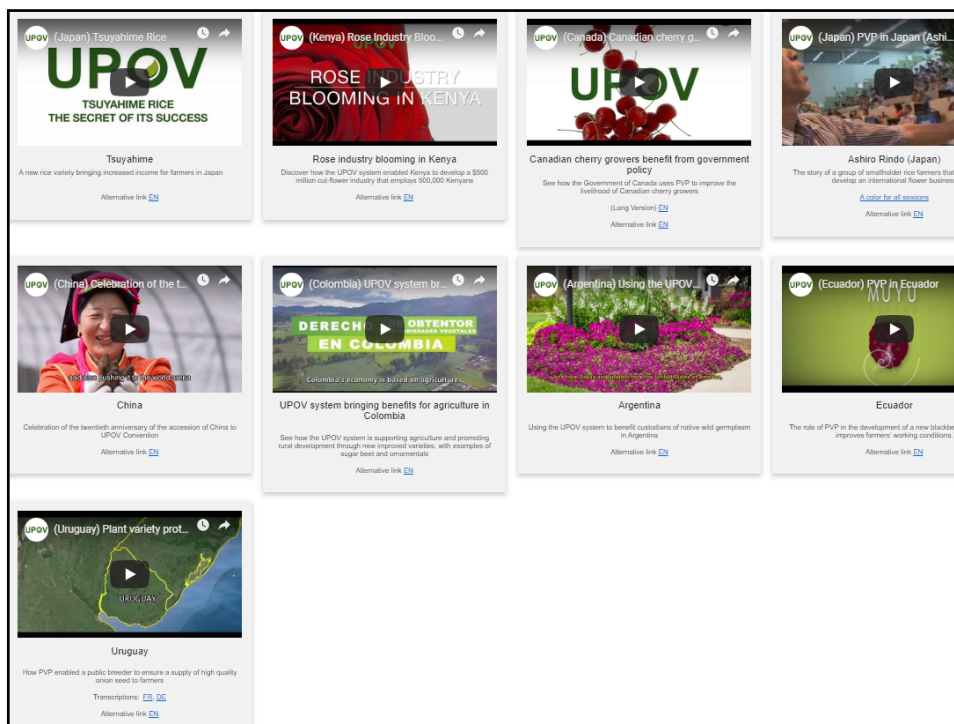
UPOV's mission is to provide and promote an effective system of plant variety protection. It was the aim of encouraging the development of new varieties of plants, for the benefit of society.

▲ Top of page

Quick Links

- Introduction to UPOV
- Benefits of UPOV
- UPOV Collection
- UPOV PRISMA (Information)
- Test Guidelines
- Distance Learning Courses
- Seminars & Symposia
- FAQs

UPOV www.upov.int

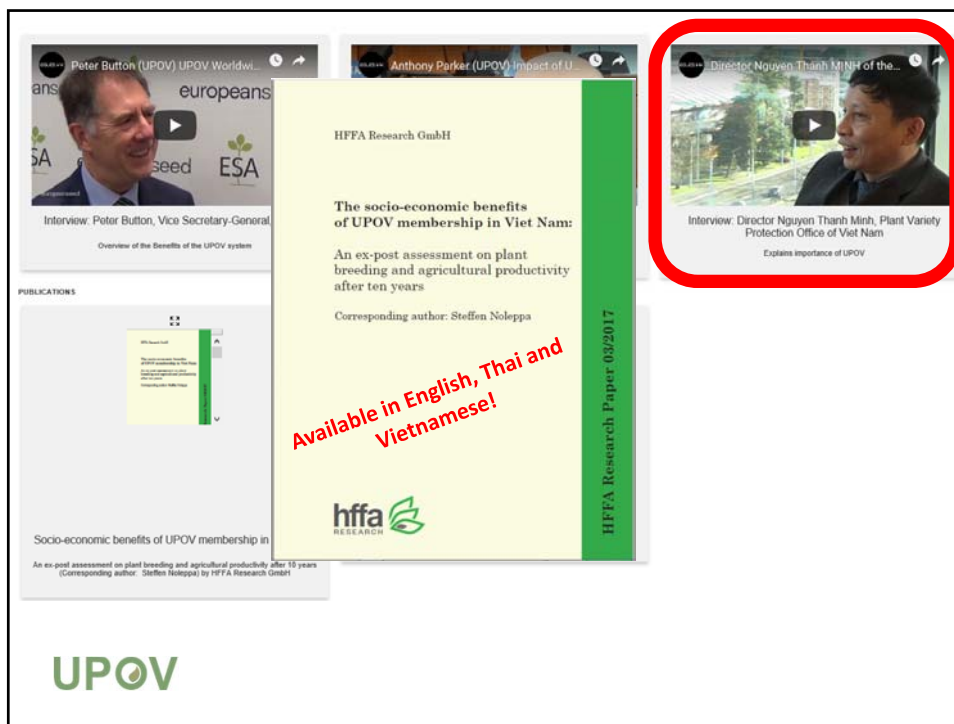


UPOV Videos



Celebration of the twentieth anniversary of the accession of China to UPOV Convention

Languages available: EN audio
Subtitles: EN



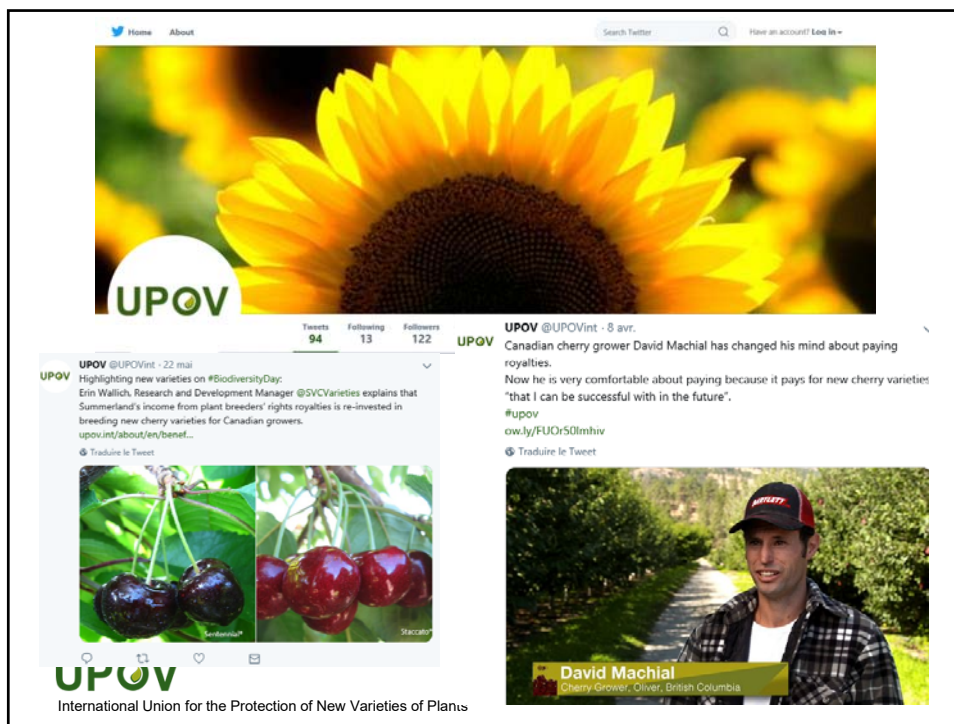
The screenshot shows a website layout. On the left, there are video thumbnails for Peter Button and Anthony Parker. In the center is a research paper titled "The socio-economic benefits of UPOV membership in Viet Nam: An ex-post assessment on plant breeding and agricultural productivity after ten years" by Steffen Noleppa. A red diagonal banner across the paper reads "Available in English, Thai and Vietnamese!". On the right, a video thumbnail for Director Nguyen Thanh MINH is highlighted with a red rounded rectangle. The UPOV logo is at the bottom left.




The section is titled "UPOV Social Media" with a blue Twitter bird logo to the right. Below the title are two social media profiles:

- UPOV@UPOVint**: Profile picture shows a close-up of a sunflower.
- PeterButton@vsgupov**: Profile picture shows a man in a blue shirt in front of a building.

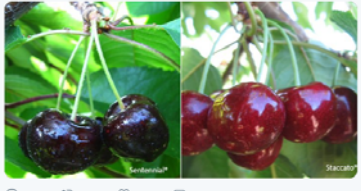
The UPOV logo and the text "International Union for the Protection of New Varieties of Plants" are at the bottom left.




Home About Search Twitter [Have an account? Log in](#)



UPOV @UPOVint · 22 mai
Highlighting new varieties on #BiodiversityDay: Erin Wallach, Research and Development Manager @SVCVarieties explains that Summerland's income from plant breeders' rights royalties is re-invested in breeding new cherry varieties for Canadian growers. upov.int/about/en/benef...



UPOV @UPOVint · 8 avr.
Canadian cherry grower David Machial has changed his mind about paying royalties. Now he is very comfortable about paying because it pays for new cherry varieties "that I can be successful with in the future". #upov ow.ly/FUOr50tmhiv



UPOV
International Union for the Protection of New Varieties of Plants



Peter Button @vsypgov · 24 h
The @UPOVint TWV report is published! Thanks to #RepublicofKorea for hosting the meeting and thanks to the vegetable #DUS experts for attending the meeting in Seoul. Here is where they came from (see upov.int/meetings/en/de...)



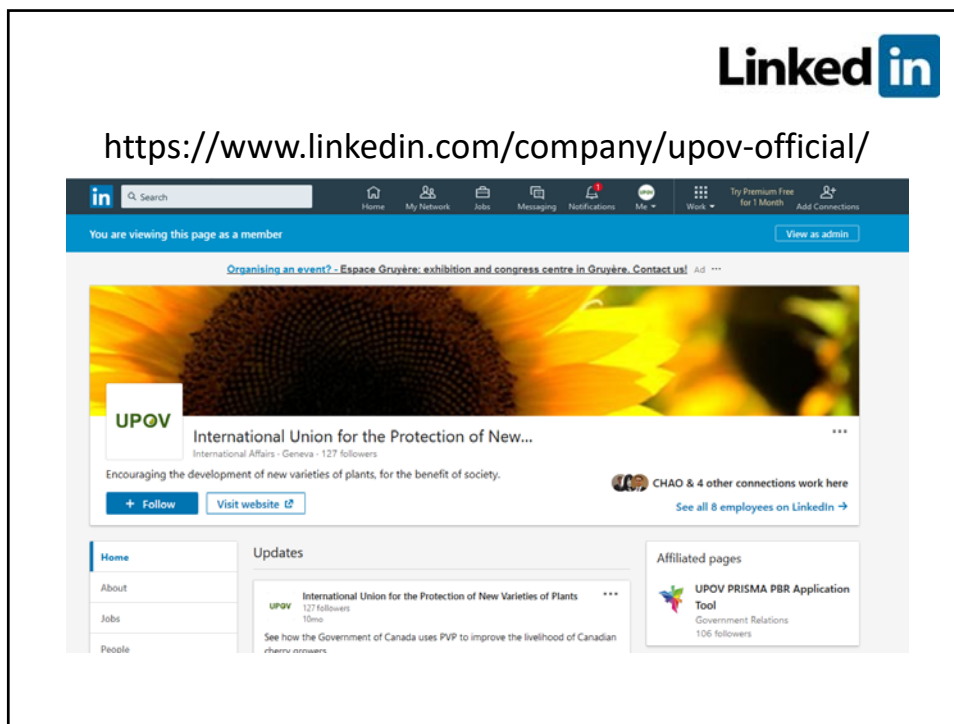
Peter Button
Vice Secretary-General @UPOVint



Peter Button @vsypgov · 4 h
The @UPOVint TWV report is published! Experts from #China are working to develop new #DUS guidance to support #TradeMeeting of Water spinach (*Spinosa aquatica*) (see www.intellectualproperty.kpi.gov.tw/...)



UPOV
International Union for the Protection of New Varieties of Plants



Access to social media platforms from UPOV Website

