

PVP seminar in China

## Recent Developments in UPOV

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*Hangzhou, China  
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## UPOV: INDEPENDENT INTERGOVERNMENTAL ORGANIZATION

The International **Convention** for the Protection of New Varieties of Plants  
established in 1961

The International **Union** for the Protection of New Varieties of Plants

Union internationale pour la protection des obtentions végétales

UPOV

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## UPOV

### MISSION STATEMENT

**“To provide and promote an effective system of plant variety protection, with the aim of encouraging the development of new varieties of plants, for the benefit of society”**

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### Preview

- membership & statistics
- Latest guidance
- impact of UPOV membership
- PBR application tool (EAF)
- Web-based Test Guidelines template

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## 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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## 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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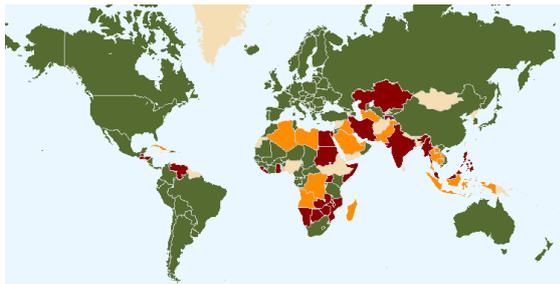
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## UPOV status: October 2017



Members of UPOV (75) covering 94 States

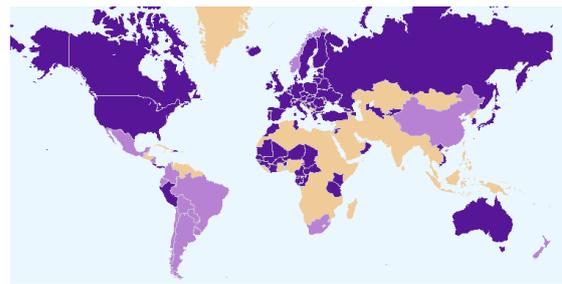
Initiating States (16) and Organization (1)

States (23) and Organization (1) in contact with the UPOV Office

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

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## UPOV Membership

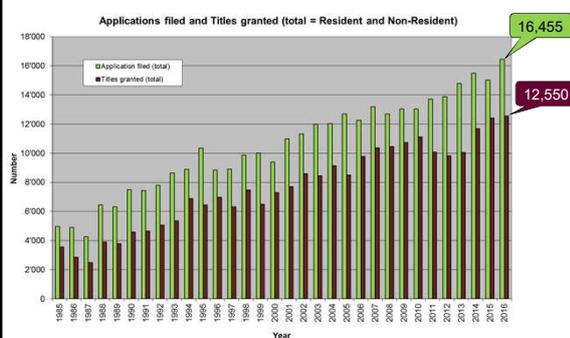


1991 Act: 57 members – Other Acts: 18 members

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

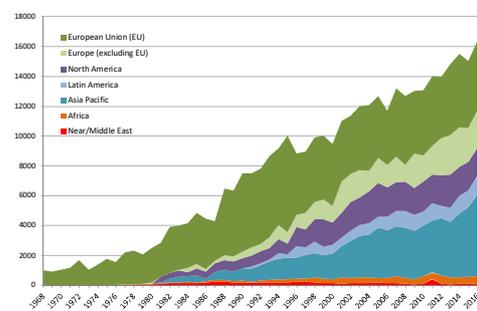
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## Plant variety protection statistics (C/51/7)



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## Applications for Plant Breeders' Rights



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### 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

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

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## UPOV Office by region

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# UPOV

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## Stakeholder features added

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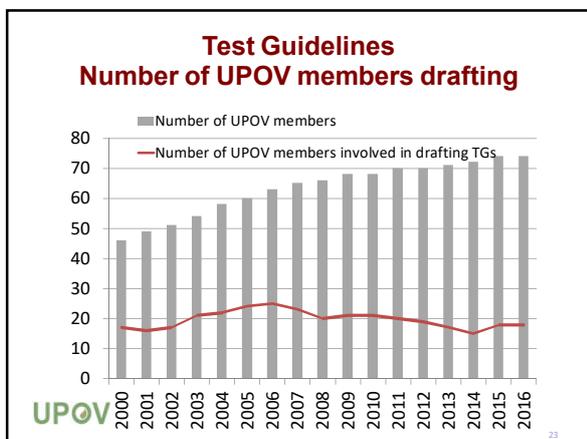
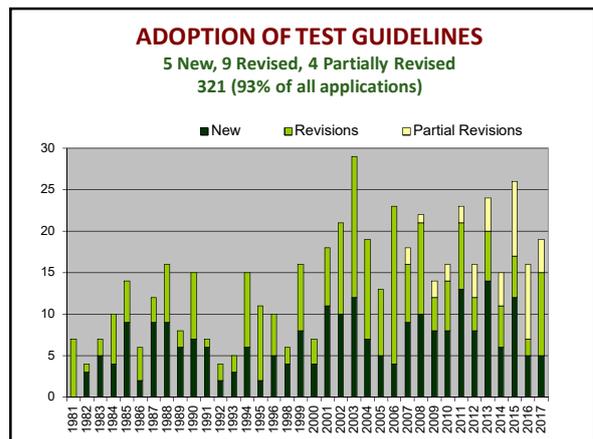
## BREEDERS

## Harmonization, Resources and Assistance

	Harmonization	Resources	Training & assistance
	PVP Law	UPOV Convention	UPOV Lex
IMPLEMENTATION	Application	IPRO project	<ul style="list-style-type: none"> <li>Distance Learning course</li> <li>Trainers</li> <li>UPOV events &amp; activities</li> <li>Assistance by individual UPOV members</li> </ul>
	Variety Denominations	TO database	
	DUS Testing	IE Database changeable ware	

### Selected EXN/INF developments

Reference	Explanatory Notes on:	Timetable
UPOV/EXN/EDV/2 (revision)	Essentially Derived Varieties	Adopted by the Council in April 2017
UPOV/EXN/PPM/1	Propagating Material	Adopted by the Council in April 2017
UPOV/INF/13/2	Guidance on how to become a member of UPOV (adoption by correspondence)	Adopted by the Council in April 2017
UPOV/INF/5 (revision)	UPOV model plant breeders' rights gazette	possible revision to be considered by CAJ in October 2018
UPOV/INF/12 (revision)	Variety Denominations	WG-DEN



- ### Test Guidelines
- #### Drafted by Chinese experts
- ✓ Camellia
  - ✓ Chinese cabbage
  - ✓ Eucalyptus
  - ✓ Foxtail Millet
  - ✓ Lilac
  - ✓ Litchi
  - ✓ Tea
  - ✓ Tree Peony
  - ✓ Walnut

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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 Notzopp) by HFFA Research GmbH

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### STUDY in VIET NAM

Without those developments since 2006, **current annual yields** in Viet Nam would be lower by:

- Rice 16 %
- Corn 19 %
- Sweet potatoes 27 %

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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)

Income Component	Value (USD)
Other income	~450
Income induced by plant breeding successes	~150
<b>Total Income</b>	<b>~600</b>

Sources: Own figure and calculations.

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### UPOV- PBR Application Tool (Electronic Application Form (EAF))

➤ Easy way to transfer and re-use your PBR application data, using an efficient multi-lingual e-system available online for all participating countries worldwide



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### New name for the EAF PBR Application Tool

# PRISMA




**UPOV**

PRISMA tool

Information

### Navigation languages



**UPOV** Electronic Application Form

English

Français

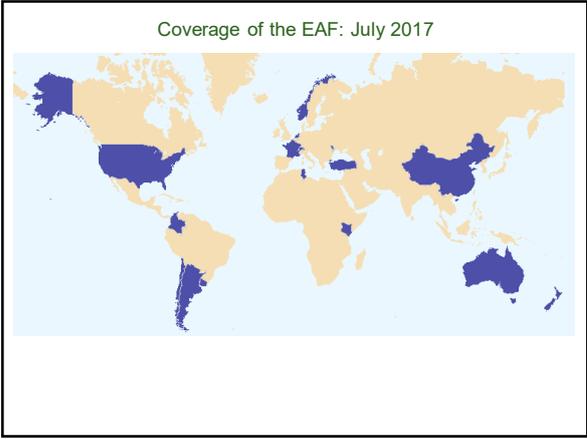
Deutsch

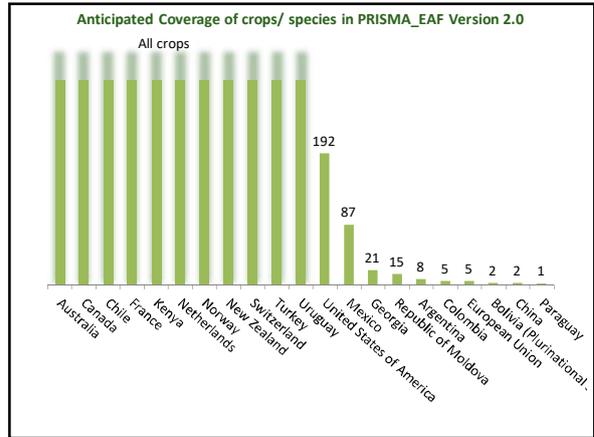
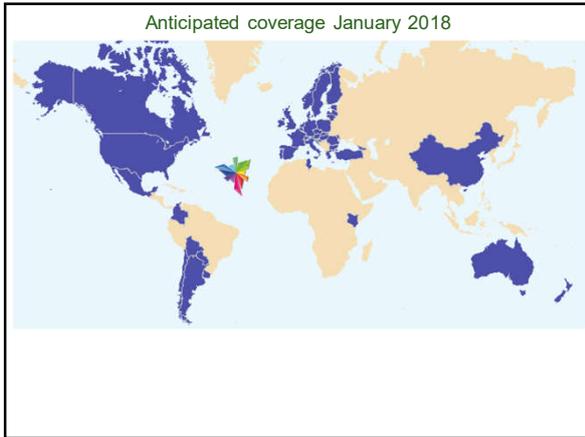
Español

中文

### UPOV members (16) and crops (5) currently covered by PBR Application Tool (EAF)

AUTHORITY	APPLE FRUIT VARIETIES	LETTUCE	POTATO	ROSE	SOYABEAN
Argentina	✓		✓	✓	✓
Australia	✓	✓	✓	✓	✓
Chile	✓	✓	✓	✓	✓
China		✓		✓	
Colombia				✓	
France	✓	✓	✓	✓	✓
Kenya	✓	✓	✓	✓	✓
Netherlands	✓	✓	✓	✓	✓
New Zealand	✓	✓	✓	✓	
Norway	✓	✓	✓	✓	✓
Republic of Moldova	✓	✓	✓	✓	✓
Switzerland	✓	✓	✓	✓	✓
Tunisia	✓	✓	✓	✓	✓
Turkey	✓	✓	✓	✓	✓
United States of America		✓	✓		✓
Uruguay	✓		✓		✓





Navigation languages

UPOV Electronic Application Form

English

Français

Deutsch

Español

中文

日本語

Your Applications

Information #	Created On	Modified On	Date of Submission	Crop	Proposed Variety Description	Breeder's Variety Reference	Submitter's Own Variety Reference
HL_00011	2016/01/11	14/01/2017	NA	Rice			
HL_00012	2016/01/11	15/01/2017	NA	Rice			

CO TACT US!

[prisma@upov.int](mailto:prisma@upov.int)

UPOV's PBR Application Tool

Quick and easy transmission of application data for Plant Breeders' Rights

[www.upov.int](http://www.upov.int)

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Web-based Test Guidelines template

UPOV International Union for the Protection of New Varieties of Plants

TG Admin Interface

Dashboard | All User Accounts | Create User Accounts | Add UPOV Data | Manage TGs | Assign User to TG | Data Management | Technical Study | Translation

Active TGs (26)

Accession Name	UPOV Country	Version	Leading Expert (L.E.)	Involved Experts (E)	Status (Phase)	All Deadlines	Last Update	# Comments	Admin Comments	TG Status	Action
ACTA	ACTA_BEL	TG23811	L.E. not assigned	Details	CREATED	View	04 Oct 2017	View	View	0/0	0/0
ACTBOLA	AGOR	TG22724	L.E. not assigned	Details	CREATED	View	02 Jun 2017	View	View	0/0	0/0
ACTBOLA	ACTN	TG23927	L.E. not assigned	Details	CREATED	View	07 Jun 2017	View	View	0/0	0/0
AKLBY	DSM_SRY	TG23891	L.E. not assigned	Details	CREATED	View	25 Nov 2017	View	View	0/0	0/0
AFRODIALEP	AGAP	TG22891 Rev. Cor	L.E. not assigned	Details	CREATED	View	09 Jun 2017	View	View	0/0	0/0
AFRODIAVILET	SBWT	TG21725 v Cor	L.E. not assigned	Details	CREATED	View	22 Oct 2017	View	View	0/0	0/0
AGARDIS	AGAR	TG22791	L.E. not assigned	Details	CREATED	View	22 Jul 2017	View	View	0/0	0/0
ALIND	FRANC_DUL	TG23824	L.E. not assigned	Details	CREATED	View	07 Jun 2017	View	View	0/0	0/0
ALICE	ALICE	TG21921	L.E. not assigned	Details	CREATED	View	09 Jun 2017	View	View	0/0	0/0
ALTRICHERIA	ALTR	TG22927	L.E. not assigned	Details	CREATED	View	27 Sep 2017	View	View	0/0	0/0

**THANK YOU**

UPOV