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International Union for the Protection of New Varieties of Plants

Technical Working Party for Ornamental Plants and Forest Trees Fifty-First Session Christchurch, New Zealand, February 18 to 22, 2019	**TWP/3/3** **Original:** English **Date:** February 14, 2019

Technical Working Party for Vegetables
Fifty-Third Session
Seoul, Republic of Korea, May 20 to 24, 2019

Technical Working Party for Fruit Crops
Fiftieth Session
Budapest, Hungary, June 24 to 28, 2019

Technical Working Party for Agricultural Crops
Forty-Eighth Session
Montevideo, Uruguay, September 16 to 20, 2019

Technical Working Party on Automation and Computer Programs
Thirty-Seventh Session
Hangzhou, China, October 14 to 16 (morning), 2019

UPOV PRISMA

Document prepared by the Office of the Union

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EXECUTIVE SUMMARY

1.   The purpose of this document is to report on developments concerning the development of UPOV PRISMA.

2.   The TWPs are invited to note the developments concerning UPOV PRISMA.

3.   The structure of this document is as follows:

BACKGROUND

4.   The aim of the electronic application form (EAF) project is to develop a multilingual electronic form containing questions relevant for plant breeders' rights (PBRs) applications (see document CAJ/66/5 "Electronic Application Systems", paragraph 2).

5.   The background to the development of the EAF prior to the Technical Working Parties in 2018 is provided in document TWP/2/3 "Electronic Application systems".

DEVELOPMENTS IN 2018

Launch of UPOV PRISMA Version 2.0

6.   Version 2.0 of UPOV PRISMA, was released on February 9, 2018.

Participating UPOV members and crops/species covered

7.   The table below summarizes the participating PVP Offices and the crops supported in UPOV PRISMA Version 2.0:

Authority		Crop coverage
Argentina	AR	Apple Fruit Varieties, Potato, Rose, Soyabean, Wheat, Barley, Maize and Grapevine
Australia	AU	All genera & species
Bolivia (Plurinational State of)	BO	Rice, wheat
Canada	CA	All genera & species excluding algae, bacteria and fungi
Chile	CL	All genera & species
China	CN	Lettuce, Rose
Colombia	CO	Rose, Carnation, Alstroemeria, Chrysanthemum, Gypsophila
European Union	QZ	Apple Fruit Varieties, Lettuce, Potato, Rose, Soyabean
France	FR	All genera & species
Georgia	GE	Maize, Wheat, Field Bean, French Bean, Apple (fruit varieties), Pear, Barley, Oats, Potato, Cherry (Sweet Cherry), Raspberry, Tomato, Peach, Hazelnut, Blackberry, Soya Bean, Sunflower, Walnut, Blueberry, Chick-Pea, Lentil
Kenya	KE	All genera & species
Mexico	MX	87 selected crops
Netherlands	NL	All genera & species
New Zealand	NZ	All genera & species
Norway	NO	All genera & species
Paraguay	PY	Soyabean
Republic of Moldova	MD	Maize, Wheat, Pea, Barley, European Plum, Tomato, Grapevine, Sweet Pepper, Hot Pepper, Paprika, Chili, Sunflower, Walnut, Apple Fruit Varieties, Lettuce, Potato, Rose, Soyabean
Switzerland	CH	All genera & species
Tunisia	TN	All genera & species
Turkey	TR	All genera & species
United States of America	US	Lettuce, Potato, Soyabean and Wheat
Uruguay	UY	All genera & species
Total	22	

Languages

8.   UPOV PRISMA Version 2.0 presents pages and items (questions) for application forms and technical questionnaires for participating PVP Offices in English, French, German, Spanish, Chinese and Japanese ("navigation languages").

9.   UPOV PRISMA Version 2.0 generates application forms and technical questionnaires in the languages required by the participating PVP Offices ("output form languages"), in English, French, German, Spanish, Chinese, Georgian, Norwegian, Romanian and Turkish (information must be completed by the applicant in an acceptable language for the PVP Office concerned, although answers selected from drop-down lists (e.g. characteristics and states of expression) will be automatically translated for output form languages.

Meeting on the development of the electronic application form (EAF/11)

10.   At the Eleventh Meeting on the Development of an Electronic Application Form ("EAF/11 meeting"), held in Geneva on March 28, 2018, the participants noted the following in relation to proposed developments for UPOV PRISMA Version 2.1.

Version 2.1

Coverage

UPOV members

11.   Participation in Version 2.1 is possible for authorities that participated in the development of Prototype Electronic Form (PV2) or in the development of the Electronic Application Form Versions 1.0 or 1.1 (African Intellectual Property Organization (OAPI), Argentina, Australia, Bolivia (Plurinational State of), Brazil, Chile, China, Canada, Colombia, Czech Republic, European Union, France, Georgia, Japan, Kenya, Mexico, Netherlands, New Zealand, Norway, Paraguay, Republic of Korea, Republic of Moldova, South Africa, Switzerland, Tunisia, Turkey, United States of America, Uruguay and Viet Nam), according to available resources.

12.   Members of the Union that did not participate in the development of a Prototype Electronic Form (PV2) or in the development of the Electronic Application Form Versions 1.0 or 1.1 need to provide their forms for relevant crops (application form and technical questionnaire) in a UPOV language and, if appropriate, to provide translations of the questions of the application forms and technical questionnaires of the other languages used in the EAF. The timetable for addition of new members of the Union will be developed according to available resources and will vary according to the content of the application forms and technical questionnaires.

13.   Circular E-17/264, issued on December 12, 2017, invited all UPOV members not currently participating in UPOV PRISMA PBR Application Tool and that have not already expressed a wish to participate, to indicate to the Office of the Union their wish to join in 2018.

Crops/ species

14.   Circular E-18/011, issued on February 22, 2018, invited participating members in UPOV PRISMA who do not yet cover all genera and species (Argentina, Bolivia (Plurinational State of), China, Colombia Georgia, Mexico, Republic of Moldova and United States of America) to indicate their wish to increase the scope of coverage for genera and species for Version 2.1.

15.   Circular E-18/010, issued on February 21, and March 12, 2018, invited UPOV members who have already expressed an interest to participate in UPOV PRISMA (African Intellectual Property Organization (OAPI), Brazil, Czech Republic, Germany, Japan, Republic of Korea, South Africa, Sweden, United Republic of Tanzania and Viet Nam) to confirm their intention to participate in the Version 2.1 and to clarify the scope of coverage for genera and species. Other UPOV members who have already expressed interest to participate in UPOV PRISMA Version 2.1 (Costa Rica, Serbia, United Kingdom and Uzbekistan) have been contacted to clarify the scope of coverage for genera and species.

16.   In UPOV PRISMA Version 2.1, Technical Questionnaires (TQ) from all UPOV Test Guidelines will be available with the inclusion of apple rootstocks and avocado rootstocks.

Languages

17.   Additional navigation and output languages can be introduced according to available resources and if the necessary information is provided.

New Functionalities

Guidance on next steps

18.   The participants noted that it is proposed to add information on the next steps in relation to PVP Offices procedures once a submission has been made via UPOV PRISMA. This information will be sent to the applicants together with the confirmation of a successful submission. The relevant information will need to be provided to the Office of the Union by the participating PVP Offices in UPOV PRISMA.

Deadline for submitting application

19.   The participants noted that it is proposed to add information on deadlines for submitting applications in a selected authority such that an automatic reminder could be generated, if and when relevant. This information would need to be provided by authorities.

Breeding Scheme

20.   The participants noted that the breeding scheme section in Version 2.0 is available with a pre-defined list of options. Additional options for more specific breeding schemes (e.g. crop specific) might be considered for development in a subsequent version.

Novelty

21.   The participants noted that for novelty requirements, it was agreed that each participating authority should indicate, if appropriate, which of the supported crops were considered by that authority to be vines or trees in terms of novelty (see document UPOV/EAF/10/3 "Report", paragraph 15). By default, 4 years is used in the system. It is proposed to add a "novelty alert" for applicants.

22.   The participants agreed that information regarding novelty should be provided to the Office by all participating members in UPOV PRISMA to the Office of the Union. On the basis of the information received the Office will investigate how to update this functionality in the system in a sustainable manner and will be presented at the next meeting on the development of the electronic application form.

Agent Role

23.   The participants were informed that in order to enable local representatives or agents to submit applications on behalf of different breeders, it is proposed to update the role of "agent" in the tool. Consideration will also be given to providing information on agents via UPOV PRISMA to enable breeders to find agents in different UPOV members.

Communication

24.   The EAF/11 meeting noted that the following elements were planned in 2018:

- targeted communication to potential users of the UPOV PRISMA (e.g. agents, representatives, breeding companies, breeders' associations);
- training sessions (*in situ* and online);
- participation in international breeders' events (e.g. ISF, AOHE, CIOPORA, ASTA);
- updated communication materials (posters, flyers, tutorials) with the new name and logo and the new coverage of crops and countries;
- press articles;
- update of the UPOV PRISMA webpage with new testimonials from breeders and PVP Offices;
- inclusion of information in existing UPOV and UPOV members' training programs.

25.   The EAF/11 meeting noted that, since the launch of UPOV PRISMA Version 2.0 (February 9, 2018), the following initiatives had been taken:

(a) update   of   the   dedicated   webpage   on   the   UPOV   Website   available   at: http://www.upov.int/upovprisma, containing all necessary information to access and use UPOV PRISMA;

(b)   UPOV Press Release 113 concerning the launch of UPOV PRISMA Version 2.0, sent to all UPOV members and subscribers to the UPOV news feed;

(c)	on February 9, 2018, the Office of the Union informed breeders' organizations and PVP Offices on the availability of the system inviting them to inform all their relevant stakeholders and potential users (e.g. breeders, representatives, agents, etc.), and to disseminate information about the special offer to use 1UPOV PRISMA for free until June 2018;

(d)	on February 21, 2018, the Office of the Union sent electronic mails to potential users on the availability of UPOV PRISMA Version 2.0, including information on the special promotional offer;

(e)	the following communication materials have been updated and disseminated to requesting UPOV members and breeders' organizations (still available on demand):

- o	posters and roll-up banners in English, Spanish and German (as reproduced in Annex I of this document),
- o	flyers in English, French, Spanish and German (as reproduced in Annex II of this document),
- o	a series of short videos have been created (in English) and posted on the UPOV website to explain key steps to start an application and functionalities of the system;

(f)	three meetings (online sessions & webinars) have been organized since January 2018 for individual applicants or groups of applicants upon request;

(g)	presentations have been made at the following meetings: AFSTA Congress, AOHE Annual Meeting and ASTA vegetable and flower conference;

(h)	regular updating of the UPOV PRISMA LinkedIn page, available at: https://www.linkedin.com/showcase/24973258/;

(i)	creation of a Twitter account, available at: https://twitter.com/upovprisma.

Financing of UPOV PRISMA

26.	The EAF/11 meeting noted that, since the fifty-first ordinary session of the Council, the following contributions had been made to support UPOV PRISMA:

- 20,000 Swiss francs from ISF;
- 2,500 Swiss francs from the International Community of Breeders of Asexually Reproduced Ornamental and Fruit-Tree Varieties (CIOPORA);
- 10,000 Swiss francs from CropLife International.

27.	At the launch of Version 2.0, in January 2018, UPOV PRISMA was made free of charge for an initial period to encourage users to test the system. The initial free-of-charge period was announced until June 2018, and will be extended until December 2018.

28.	Proposals concerning the financing of the UPOV PRISMA will be considered by the Council at its fifty-second ordinary session, to be held in Geneva on November 2, 2018.

Launch of UPOV PRISMA Version 2.1

29.	Version 2.1 of UPOV PRISMA, was released on September 17, 2018.

Participating UPOV members and crops/species covered

30.	The table below summarizes the participating PVP offices and the crops supported in UPOV PRISMA Version 2.1:

Authority		participating in Version 2.0	currently participating in Version 2.1	Crop coverage in Version 2.1 (highlighted in grey are changes from Version 2.0)
African Intellectual Property Organization (OAPI)	OA	-	✓	All genera and species
Argentina	AR	✓	✓	18 selected crops
Australia	AU	✓	✓	All genera & species
Bolivia (Plurinational State of)	BO	✓	✓	All genera & species
Canada	CA	✓	✓	All genera & species excluding algae, bacteria and fungi

Authority		participating in Version 2.0	currently participating in Version 2.1	Crop coverage in Version 2.1 (highlighted in grey are changes from Version 2.0)
Chile	CL	✓	✓	All genera & species
China	CN	✓	✓	Lettuce, Rose
Colombia	CO	✓	✓	All genera & species
Costa Rica	CR	-	✓	All genera and species
European Union	QZ	✓	✓	Ornamentals, Fruits and Vegetables, Soyabean and Potato
France	FR	✓	✓	All genera & species
Georgia	GE	✓	✓	Maize, Wheat, Field Bean, French Bean, Apple (fruit varieties), Pear, Barley, Oats, Potato, Cherry (Sweet Cherry), Raspberry, Tomato, Peach, Hazelnut, Blackberry, Soya Bean, Sunflower, Walnut, Blueberry, Chick-Pea, Lentil
Kenya	KE	✓	✓	All genera & species
Mexico	MX	✓	✓	All genera & species
Netherlands	NL	✓	✓	All genera & species
New Zealand	NZ	✓	✓	All genera & species
Norway	NO	✓	✓	All genera & species
Paraguay	PY	✓	✓	Soyabean
Republic of Moldova	MD	✓	✓	Maize, Wheat, Pea, Barley, European Plum, Tomato, Grapevine, Sweet Pepper, Hot Pepper, Paprika, Chili, Sunflower, Walnut, Apple Fruit Varieties, Lettuce, Potato, Rose, Soyabean
Republic of Korea	KR	-	✓	Apple Fruit Varieties, Lettuce, Potato, Soyabean, Rose
Serbia	RS	-	✓	Apple Fruit Varieties and Rose
South Africa	ZA	-	✓	All genera and species
Sweden	SE	-	✓	All genera and species
Switzerland	CH	✓	✓	All genera & species
Tunisia	TN	✓	✓	All genera & species
Turkey	TR	✓	✓	All genera & species
United Kingdom	GB	-	✓	All genera and species
United States of America	US	✓	✓	192 crops including Lettuce, Potato, Soyabean and Wheat
Uruguay	UY	✓	✓	All genera & species
Viet Nam	VN	-	✓	Rice, Maize, Soyabean, Groundnut, Tomato , Potato, Cucumber, Rose, Chrysanthemum, Anthurium, Orange, Mango, Dragon fruit
Total		22	30	

Languages

31. Additional navigation and output languages introduced in Version 2.1 were as follow (highlighted):

Navigation languages	Output languages
- Chinese - English - French - German - Japanese - Korean (new) - Spanish - Turkish (new) - Vietnamese (new)	- Georgian - Norwegian - Romanian - Serbian (new) - Swedish (new)

New Functionalities

32.   In Version 2.1 the following new functionalities were introduced:

- Novelty/ priority alert;
- Information on PVP application procedure for participating members;
- Enhancement of agent role ;
- View application data in the final output format before submission;
- Revise application data after submission upon PVP office request.

Meeting on the development of the electronic application form (EAF/12)

33.   At the twelfth Meeting on the Development of an Electronic Application Form ("EAF/12 meeting"), held in Geneva on October 29, 2018, the participants noted the following in relation to proposed developments for UPOV PRISMA Version 2.2.

Coverage of Test Guidelines

34.   The participants noted that on June 28, 2018, the Office of the Union had issued Circular E-18/081, to inform participating members in UPOV PRISMA that CPVO would extend the coverage of some TGs to additional UPOV codes compared to those specified in the relevant UPOV TGs and had invited participating members in UPOV PRISMA Version 2.1 to indicate if they agreed to extend the scope of the specified TG to the indicated UPOV codes as proposed by CPVO.

35.   The participants received a presentation from the Office of the Union, as reproduced in the Annex II of this document, and noted that, for UPOV members following the UPOV Test Guidelines, where there were no UPOV Test Guidelines for a particular crop/species, a generic TQ was available. Alternatively, UPOV members could link these crop/species to a suitable UPOV TG. It was explained that it would not be appropriate to use national TGs for such crops/species because of the high level of maintenance that would result, the translation burden and lack of harmonization. However, it would be possible for UPOV members participating in UPOV PRISMA to agree a common TQ and thereby to retain harmonization and minimize translation work. The participants agreed that this was a matter that should be reported to the TC.

Participating UPOV members and crop/species

36.   The participants noted that the following UPOV members had expressed their intention to participate in Version 2.2 of UPOV PRISMA:

Authority		currently participating in Version 2.1	intention to participate in Version 2.2	Anticipated crop coverage in Version 2.2 (highlighted in grey are changes from Version 2.1)
African Intellectual Property Organization (OAPI)	OA	✓		All genera and species
Argentina	AR	✓		18 selected crops plus Egg Plant, Witloof Chicory, Broad Bean, Fig, Papaya, Salvia, Green onion, Indian mustard, Sugarcane, Cotton
Australia	AU	✓		All genera and species
Bolivia (Plurinational State of)	BO	✓		All genera and species
Canada	CA	✓		All genera & species excluding algae, bacteria and fungi
Chile	CL	✓		All genera and species
China	CN	✓		Lettuce
Colombia	CO	✓		All genera and species
Costa Rica	CR	✓		All genera and species
Dominican Republic	DO		✓	All genera and species
Ecuador	EC		✓	All genera and species
European Union	QZ	✓		All genera & species excluding agricultural crops, apart from Bent, cocksfoot, meadow fescue, fescue, ryegrass, timothy
France	FR	✓		All genera & species

Authority		currently participating in Version 2.1	intention to participate in Version 2.2	Anticipated crop coverage in Version 2.2 (highlighted in grey are changes from Version 2.1)
Georgia	GE	✓		Maize, Wheat, Field Bean, French Bean, Apple (fruit varieties), Pear, Barley, Oats, Potato, Cherry (Sweet Cherry), Raspberry, Tomato, Peach, Hazelnut, Blackberry, Soya Bean, Sunflower, Walnut, Blueberry, Chick-Pea, Lentil
Kenya	KE	✓		All genera and species
Mexico	MX	✓		All genera and species
Morocco	MA		✓	Tomato, Melon, Potato, lettuce, Onion
Netherlands	NL	✓		All genera and species
New Zealand	NZ	✓		All genera and species
Nicaragua	NI		✓	To be confirmed
Norway	NO	✓		All genera and species
Paraguay	PY	✓		Soyabean
Peru	PE		✓	All genera and species
Republic of Moldova	MD	✓		Maize, Wheat, Pea, Barley, European Plum, Tomato, Grapevine, Sweet Pepper, Hot Pepper, Paprika, Chili, Sunflower, Walnut, Apple Fruit Varieties, Lettuce, Potato, Rose, Soyabean, Oats, Rye, Strawberry, Blackberry
Republic of Korea	KR	✓		Apple Fruit Varieties, Lettuce, Potato, Soyabean, Rose
Serbia	RS	✓		Apple Fruit Varieties and Rose, raspberry and blueberry
South Africa	ZA	✓		All genera and species
Sweden	SE	✓		All genera and species
Switzerland	CH	✓		All genera and species
Trinidad and Tobago	TT		✓	To be confirmed
Tunisia	TN	✓		All genera and species
Turkey	TR	✓		All genera and species
United Kingdom	GB	✓		All genera and species
United States of America	US	✓		192 crops including Lettuce, Potato, Soyabean and Wheat
Uruguay	UY	✓		All genera & species
Uzbekistan	UZ		✓	to be confirmed
Viet Nam	VN	✓		15 selected crops
Total		30	37	

Languages

37.   The participants noted that additional navigation and output languages could be introduced according to available resources and subject to the necessary information being provided.

Timetable for release

38.   The participants noted that participating members in the development of the Version 2.2 of UPOV PRISMA would be invited to test the Tool through different releases during a test campaign in May 2019. Subject to their validation, Version 2.2 would be released around June 2019.

Financing of UPOV PRISMA

16.   The participants in the EAF/12 meeting noted that proposals concerning the financing of the UPOV PRISMA would be considered by the Consultative Committee at its ninety-fifth session, to be held in Geneva, on November 1, 2018 and, if appropriate, by the Council at its fifty-second ordinary session, to be held in Geneva on November 2, 2018. It further noted that any decision taken would be reported to the subsequent EAF meeting.

Developments in the Technical Committee (TC) in October 2018

39.   The Technical Committee (TC) at its fifty-fourth session in Geneva on October 29 and 30, 2018, considered document TC/54/7 and received a presentation by the UPOV Office on recent developments in UPOV PRISMA, provided as document TC/54/7 Add..

40.   The TC noted that for UPOV members following the UPOV Test Guidelines, where there were no UPOV Test Guidelines for a particular crop/species, a generic TQ was available. Alternatively, UPOV members could link these crop/species to a suitable UPOV TG. It was explained that it would not be appropriate to use national TGs for such crops/species because of the high level of maintenance that would result, the translation burden and lack of harmonization. However, it would be possible for UPOV members participating in UPOV PRISMA to agree a common TQ and thereby to retain harmonization and minimize translation work.

41.   The TC agreed that it would be helpful for the UPOV Office, upon request, to generate a report for participating authorities on the extent to which their forms were harmonized with other UPOV members and the UPOV model application form. The TC noted that this was a matter that should be reported to the CAJ (see document TC/54/31 "Report", paragraphs 305 to 307).

Developments in the Administrative and Legal Committee (CAJ) in October 2018

42.   The CAJ at its seventy-fifth session on October 31, 2018, considered documents CAJ/75/8 and CAJ/75/13 and the presentation made by the Office of the Union on recent developments in UPOV PRISMA, provided as document CAJ/75/8 Add.

43.   The CAJ noted that the TC, at its fifty-fourth session, had agreed that it would be helpful for the Office of the Union, upon request, to generate a report for participating authorities to UPOV PRISMA on the extent to which their application forms were harmonized with the application forms of other members of the Union and the UPOV model application form. The CAJ noted that TC had noted that that was a matter that should be reported to the CAJ (see document CAJ/75/13, paragraph 17).

44.   The CAJ noted that proposals concerning financial aspects of UPOV PRISMA would be considered by the Consultative Committee at its ninety-fifth session and, if appropriate, by the Council at its fifty-second ordinary session (see document CAJ/75/14 "Report", paragraphs 46 to 49).

Developments in the Consultative Committee and the Council in October 2018

45.   The Council at its fifty-second ordinary session in Geneva on November 2, 2018, noted the work of the Consultative Committee at its ninety-fifth session, as reported in document C/52/17 "Report by the President on the work of the ninety-fifth session of the Consultative Committee", which included the following information concerning UPOV PRISMA (see document C/52/20 "Report", paragraph 12):

46.   The Consultative Committee noted the developments concerning UPOV PRISMA and the financial contributions made to UPOV PRISMA from ISF, CIOPORA, CropLife International and the Ministry of Agriculture, Nature and Food Quality of the Netherlands.

47.   The Consultative Committee noted that more time was needed to increase the number of UPOV PRISMA users in order to achieve a reliable survey of the suitability of financing options and also to ensure reliability for users. With regard to a survey of financing options, the Vice Secretary-General confirmed the intention to survey users that had submitted applications via UPOV PRISMA, registered entities, newsfeed subscribers and possibly other potential users. The survey would be structured to enable the results of the different categories to be analyzed separately.

48.   The Consultative Committee recommended to the Council to approve the use UPOV PRISMA free of charge in 2019.

49.   On the above basis, the Consultative Committee requested the Office of the Union to present options to the Consultative Committee, at its ninety sixth session, for the financing of UPOV PRISMA, including: fee per submission; fee per variety; subscription model(s) for applicants; subscription model(s) for members of the Union and package(s) of UPOV services (see document C/52/17 "Report by the President on the work of the ninety-fifth session of the Consultative Committee", paragraphs 44 to 47).

50.   The Council at its fifty-first ordinary session agreed to extend the introductory phase for UPOV PRISMA until December 2019, during which UPOV PRISMA will be free of charge (see document C/52/20 "Report", paragraph 12 (a)).

Latest and future developments

51.   The TWPs, at their sessions in 2019, will receive an oral report on recent developments in relation to UPOV PRISMA.

52.   Plans for the release of future versions of UPOV PRISMA will be discussed at the thirteenth meeting of the EAF (EAF/13 meeting) to be held in Geneva on March 28, 2019.

> *53.   The TWPs are invited to note the developments concerning UPOV PRISMA.*

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