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| International Union for the Protection of New Varieties of Plants |  |

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| Technical Committee  Fifty-Ninth Session  Geneva, October 23 and 24, 2023  Administrative and Legal Committee  Eightieth Session  Geneva, October 25, 2023 | SESSIONS/2023/6  Original: English  Date: October 17, 2023 |

Meetings on Electronic Applications

Document prepared by the Office of the Union

Disclaimer: this document does not represent UPOV policies or guidance

# EXECUTIVE SUMMARY

This document reports on developments concerning UPOV e-PVP components, since the fifty-eighth session of the Technical Committee (TC) and the seventy-ninth session of the Administrative and Legal Committee (CAJ).

UPOV e-PVP provides the following components to assist UPOV members in implementing the UPOV system of plant variety protection:

1. [UPOV PRISMA](https://www.upov.int/upovprisma/en/index.html): online application tool for making applications to PVP Offices
2. UPOV e-PVP Administration Module: digitalized system for PVP offices to manage applications and grants, communicate with applicants and holders, publish information and transmit data to the PLUTO Database
3. UPOV e-PVP DUS Report Exchange Module: platform for PVP offices to exchange DUS reports
4. [PLUTO database](https://www.upov.int/pluto/en/index.html): information on plant varieties

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# BACKGROUND

The background and previous developments concerning UPOV PRISMA (formerly the Electronic Application Form project) are reported in document TC/58/INF/2 “UPOV PRISMA” and CAJ/79/10 “Meetings on the Development of an Electronic Application Form (EAF) (UPOV PRISMA)”.

# DEVELOPMENTS

### Twentieth Meeting on the Development of an Electronic Application Form (“EAF/20 meeting”) in October 2025

The Twentieth meeting on the Development of an Electronic Application Form (“EAF/20 meeting”) was held via electronic means on October 25, 2022. The report of the meeting is provided in document EAF/20/3 “Report” available at: <https://www.upov.int/edocs/mdocs/upov/en/upov_eaf_20/upov_eaf_20_3.pdf>.

### Administrative and Legal Committee (CAJ) in October 2022

The Administrative and Legal Committee (CAJ), at its seventy-ninth session, organized via electronic means on October 26, 2022, noted the information provided in document CAJ/79/10 in relation to recent developments in UPOV PRISMA (see document CAJ/79/11 “Report”, paragraph 48) and approved the proposal to expand the scope of the EAF meetings to cover the reporting of e-PVP developments and to change the name of the meetings to “Meeting on Electronic Applications” (see document CAJ/79/11 “Report”, paragraph 49).

### Use of UPOV PRISMA (as of September 30, 2023)

#### Number of submissions via UPOV PRISMA

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| January | 1 | - | 7 | 18 | 107 | 232 | 206 |
| February | - | 3 | 9 | 5 | 107 | 95 | 107 |
| March | 2 | 3 | 6 | 21 | 67 | 121 | 54 |
| April | - | 3 | 22 | 11 | 105 | 96 | 102 |
| May | 1 | 1 | 33 | 11 | 65 | 67 | 123 |
| June | - | 7 | 10 | 18 | 819 | 78 | 59 |
| July | - | 7 | 3 | 9 | 58 | 83 | 58 |
| August | - | 1 | 7 | 11 | 379 | 435 | 442 |
| September | 3 | 8 | 16 | 29 | 154 | 91 | 105 |
| October | 1 | 19 | 29 | 16 | 68 | 53 |  |
| November | 3 | 16 | 26 | 41 | 407 | 353 |  |
| December | 3 | 9 | 51 | 32 | 174 | 204 |  |
| Total | **14** | **77** | **219** | **222** | **2,509** | **1,907** | **[1,256]** |

#### Number of submissions by participating Authority in UPOV PRISMA

| Authority | | Number of submissions in UPOV PRISMA in: | | | | | | Total number of submissions in UPOV PRISMA  (as of end 2022) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| African Intellectual Property Organization (OAPI) | OA |  |  | 3 | 1 |  | 2 | 6 |
| Argentina\* | AR |  |  |  |  |  |  | 0 |
| Australia | AU | 2 | 10 | 17 | 36 | 27 | 15 | 107 |
| Bolivia (Plurinational State of)\* | BO |  |  | 2 |  |  |  | 2 |
| Canada | CA |  | 6 | 27 | 17 | 24 | 46 | 120 |
| Chile | CL | 3 |  | 3 | 1 | 9 | 3 | 19 |
| China | CN |  |  |  |  |  |  | 0 |
| Colombia | CO |  |  | 4 | 2 | 4 | 1 | 11 |
| Costa Rica | CR |  |  | 4 | 1 | 2 |  | 7 |
| Dominican Republic | DO |  |  | 2 | 2 | 4 | 3 | 11 |
| Ecuador | EC |  |  |  | 2 | 4 | 1 | 7 |
| European Union | QZ |  | 8 | 38 | 13 | 123 | 89 | 271 |
| France | FR |  |  | 20 | - | 4 | 3 | 27 |
| Georgia | GE |  |  | 2 | 1 | 3 | 1 | 7 |
| Kenya | KE |  | 13 | 6 | 14 | 14 | 26 | 73 |
| Morocco | MA |  |  |  |  | 7 | 4 | 11 |
| Mexico | MX |  | 7 | 7 | 13 | 13 | 25 | 65 |
| Netherlands (Kingdom of the) | NL | 1 | 8 | 12 | 6 | 1 | 2 | 30 |
| New Zealand | NZ | 5 | 3 | 8 | 5 | 18 | 7 | 46 |
| Norway | NO | 1 |  | 5 | 7 | 6 | 6 | 25 |
| Paraguay\* | PY |  |  |  |  |  |  | 0 |
| Peru | PE |  |  |  | 2 | 3 | 1 | 6 |
| Republic of Moldova | MD |  |  | 2 |  |  |  | 2 |
| Republic of Korea | KR |  |  | 1 | 1 |  |  | 2 |
| Saint Vincent and the Grenadines | VC |  |  |  |  |  |  | 0 |
| Serbia | RS |  |  | 2 | 1 | 3 |  | 6 |
| South Africa | ZA |  | 2 | 3 | 2 | 12 | 17 | 36 |
| Sweden | SE |  |  | 1 |  |  |  | 1 |
| Switzerland | CH | 2 | 3 | 4 | 16 | 13 | 9 | 47 |
| Trinidad and Tobago | TT |  |  |  |  |  |  | 0 |
| Tunisia | TN |  | 2 | 4 |  | 1 |  | 7 |
| Türkiye | TR |  | 6 | 23 | 54 | 65 | 63 | 211 |
| United Kingdom | GB |  | 3 | 18 | 22 | 2,138 | 1,557 | 3,738 |
| United States of America | US |  | 6 | 1 | 3 | 5 | 26 | 41 |
| Uruguay | UY |  |  |  |  | 6 |  | 6 |
| Viet Nam | VN |  |  |  |  |  |  | 0 |
| **Total:** | **36** | **14** | **77** | **219** | **222** | **2,509** | **1,907** | **4,948** |

*\* Until required information is provided, applicants will not be able to submit application data.*

### Launch of Version 2.8 (November 2022)

UPOV PRISMA Version 2.8, incorporating the following developments, was deployed on November 21, 2022.

#### UPOV members

No new additional participating UPOV members.

* The forms for France, the Kingdom of the Netherlands and the United Kingdom were updated.

#### Crops/species

The following new UPOV member coverage was for Version 2.8:

* The Republic of Moldova uses the United Kingdom technical Questionnaire (TQ) for Sugar Beet;
* Expand the coverage of the United States of America to include all crops and species except for those listed below. UPOV TG characteristics were used in Exhibit C. Objective description of the Variety.

| Common Name | Botanical Name |
| --- | --- |
| Alfalfa | Medicago sativa L. |
| Barley | Hordeum vulgare L. |
| Bentgrass | Agrostis capillaris L. |
| Bermudagrass | Cynodon dactylon (L.) Pers. var. dactylon |
| Bluegrass | Poa pratensis L. |
| Cauliflower | Brassica oleracea L. var. botrytis L. |
| Corn | Zea mays L. |
| Cotton | Gossypium hirsutum L. |
| Field Bean | Phaseolus vulgaris L. |
| Fine Fescue | Festuca rubra L. var. rubra |
| Garden Bean | Phaseolus vulgaris L. |
| Marigold | Tagetes patula L. |
| Muskmelon | Cucumis melo L. |
| Oat | Avena sativa L. |
| Onion | Allium cepa L. |
| Pea | Pisum sativum L. |
| Peanut | Arachis hypogaea L. |
| Pumpkin | Cucurbita pepo L. |
| Rice | Oryza sativa L. |
| Ryegrass | Lolium multiflorum Lam. |
| Safflower | Carthamus tinctorius L. |
| Sorghum | Sorghum bicolor (L.) Moench |
| Tall and Meadow Fescue | Festuca pratensis Hudson |
| Triticale | x Triticosecale Wittm. |
| Vinca | Catharanthus roseus (L.) G. Don |
| Watermelon | Citrullus lanatus (Thunb.) Matsum. & Nakai var. lanatus |
| Zinnia | Zinnia elegans Jacq. |

#### New functionalities

The following functionalities were introduced in Version 2.8:

* possibility to upload multiple attachments for the same question;
* In the email notification message, remove the reference to the “applicant” since it is not correct when an agent submits the application data;
* Add an additional “notes” field to the agent profile to allow agents to provide further information to breeders/applicants, such as services offered and languages spoken;
* For agents, an option to accept invitations in bulk; and
* Improve the download functionality for PVP Offices by including UPOV code information for crops not covered by UPOV TG and the addition of the following columns for the United Kingdom as a proof of concept):
  + Country of Origin
  + NLI Maintainer
  + NLI Agent
  + NLI Applicant
  + PBR Breeder
  + PBR Applicant
  + PBR Agent
  + Date PBR application received
  + Date NL application Received
  + Provisional Marketing Authorisation Code
  + Provisional Marketing Authorisation Date
  + Seed Weight.

### Meeting on Electronic Applications (EAM/1) in March 2023

The first meeting on Electronic Applications (“EAM/1 meeting”) was held by electronic means on March 15, 2023. The report of the EAM/1 meeting (document UPOV/EAM/1/6) is available at: <https://www.upov.int/edocs/mdocs/upov/en/eam_1/eam_1_6.pdf>.

### Test Campaign (July-August 2023)

A test campaign for the UPOV e-PVP Administration module and UPOV e-PVP DUS Report Exchange module was organized from July 18 to August 11, 2023.

The following authorities were invited to participate in the test:

|  |  |
| --- | --- |
| Authority | UPOV Member |
| 1. Azerbaijan | Yes |
| 1. Brazil | Yes |
| 1. Brunei Darussalam | No |
| 1. Canada | Yes |
| 1. China | Yes |
| 1. Ecuador | Yes |
| 1. Egypt | Yes |
| 1. European Union (CPVO) | Yes |
| 1. Ghana | Yes |
| 1. Israel | Yes |
| 1. Japan | Yes |
| 1. Lao People’s Democratic Republic | No |
| 1. Malaysia | No |
| 1. Mexico | Yes |
| 1. Myanmar | No |
| 1. The Kingdom of the Netherlands | Yes |
| 1. United Republic of Tanzania | Yes |
| 1. Singapore | Yes |
| 1. South Africa | Yes |
| 1. Switzerland | Yes |
| 1. United Kingdom | Yes |
| 1. Viet Nam | Yes |

An invitation was also sent to UPOV PRISMA Task force members and to breeders and agents active in the Asian Region. 23 individuals from 12 companies/organizations participated in the test campaign.

By accepting to participate in the testing sessions for UPOV e-PVP authorities, breeders and agents acknowledged the following terms:

*Participants in the testing sessions for UPOV e-PVP acknowledge and recognize the ownership, title and other rights of UPOV in and to any and all copyright and other intellectual property rights (“Rights”) in relation to UPOV e-PVP. UPOV does not make any warranty, express or implied, that UPOV e-PVP, or any part thereof, does not affect or violate any intellectual property right, or other proprietary right of any third party.*

*Participants in the testing sessions identify UPOV as the source of the Software and related know-how in UPOV e-PVP.  However, any such identification includes the following disclaimer: the Software and related know-how  in UPOV e-PVP herein is provided for testing purposes, by on an “as-is, where-is” basis, and UPOV does not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, suitability, integrity, accuracy, reliability, or completeness of the said software or any information disclosed or described or contained in the said software.  UPOV expressly disclaims liability for any loss, damage, or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on the said software and related* know‑how *or any information disclosed or described or contained in the said software and related know‑how.*

### Launch of UPOV PRISMA Version 2.9 (September 2023)

UPOV PRISMA Version 2.9, incorporating the following developments, was deployed on September 25, 2023.

#### Application forms/TQs

The application form and technical questionnaire for Lettuce were updated for China.

South Africa uses the United Kingdom TQ for Sugar Beet.

#### Crops/species

In Version 2.9, it is possible to apply for all genera and species in Viet Nam.

* UPOV PRISMA: online application tool (see Document EAM/2/3)
* UPOV e-PVP Administration Module (see Document EAM/2/4) for PVP offices to:
  + administer applications/grants; communicate with applicants/title holders;
  + publish PVP data in the PVP office publication and [PLUTO database](https://www.upov.int/pluto/en/index.html)
* UPOV e-PVP DUS Report Exchange Module for PVP offices to: cooperate with other PVP offices in the examination of Distinctness, Uniformity and Stability (“DUS”) (see document EAM/2/5)
* PLUTO database

#### New functionalities

The following functionalities were introduced in Version 2.9:

* Reference to the authority concerned was added in the confirmation email to applicants (submitted and received);
* For all questions “this question could be confidential”, changed the current default from ‘No’ to ‘Yes’;
* View applications waiting for agent’s acceptance;
* Set up notifications preferences;
* Allow users to specify the crop group;
* Application Overview;
  + drop down to select the parent made searchable:
  + display the list of agents in alphabetic order;
* Same breeder's reference/submitter's own reference can be used for the same crop/authority/application type. The original application will not be withdrawn; and
* Detect the language used in Free text field and warn the user if it is not the expected output form language (for Chinese application data in Version 2.9).

### Launch of UPOV e-PVP (September 2023)

UPOV e-PVP was launched on September 28, 2023. Viet Nam was the first UPOV member joining UPOV e-PVP by using the full package of components.

### Other UPOV PRISMA developments

#### IT Quality Software Audit

To improve the quality of the UPOV PRISMA software, it was decided to organize a code audit, which produced the following recommendations:

(a) Implement best practices in terms of coding in order to avoid concurrency and performance issues;

(b) Move to the cloud for a better resource management at infrastructure level and keep following the highest security standards;

(c) Develop a dedicated configuration interface for a controlled management of the forms.

Recommendation 1 (best practices in terms of coding) was implemented in Version 2.8. A new tool to assess security at code level has been used since Version 2.9.

Recommendation 2 (Migration to the cloud) and Recommendation 3 (Development of a dedicated configuration interface) will be implemented in Version 2.10, subject to available resources.

After deployment of Version 2.8, certain issues were reported by the users. Those issues were not identified at the time of regression testing, mainly because the tests were done on TEST data and not real data. In version 2.9, the automatic regression tests were performed on a copy of production data as agreed in EAM/1.

Following the implementation of automated regression testing for form generation, it is planned to implement automated tests for all functionalities by the end of 2024 to expand the test coverage.

#### Improvement of user-friendliness of UPOV PRISMA

In order to improve the user-friendliness of UPOV PRISMA, consultations were organized with users to review certain current existing functionalities (copy functionality, assignment of roles) (see documents UPOV/EAF/17/3 “Report”, paragraph 22, and UPOV/EAF/18/3 “Report”, paragraphs 15 and 16).

Participants in the UPOV PRISMA Task Force Group were consulted on the proposals made to improve the interface and the navigation through the system.

A second draft of the screens (Start New Application, Copy Application) were circulated to the Task Force Group on June 21, 2022, for feedback. A new proposal was presented during the Task Force Meeting held on June 22, 2022.

During the Task Force meeting held on December 11, 2022, the consolidated feedback received from ISF and CIOPORA was presented and considered.

At the Task Force meeting held on May 10, 2023, the following was agreed:

* The Office of the Union to report on the technical issues received through UPOV PRISMA mailbox at the Task Force meetings, in conjunction with an analysis and planned remedial action, if appropriate;
* For matters after the application data has been submitted via UPOV PRISMA (e.g. PVP office administrative procedures), users should report these to the PVP offices concerned; and
* The Office of the Union will present an overview of the following at future Task Force meetings, by authority:
  + Number of applications and proportion made via UPOV PRISMA
  + Need for original documents
  + Completeness of PVP office procedure information in UPOV PRISMA

#### CPVO Synchronization

A meeting of the UPOV PRISMA Task Force Group was organized on May 10, 2023, to report on CPVO participation in UPOV PRISMA.

In order to achieve and maintain synchronization of TQs between UPOV PRISMA and CPVO, the following projects have been agreed with CPVO:

* Project 1: “Audit” (current issues/ states of affairs) for exchange of data between UPOV PRISMA and CPVO in both directions (Status: completed);
* Project 2: Part A: Resolving current issues; Part B : Synchronizing changes by UPOV/CPVO (Status: ongoing on the basis of information provided in Project 1);
* Project 3: Implementation of Project 2 outcome: Bi-directional exchange of application data (lettuce, tomato, rose) (Status: ongoing on the basis of information provided in Project 1);
* Project 4: Bulk upload of Maize applications from UPOV to CPVO (Status: ongoing on the basis of information provided in Project 1); and
* Project 5: “Transitional arrangements”, to communicate to applicants about the situations in which they can use UPOV PRISMA for applications at the CPVO and the measures that need to be taken until all issues have been resolved (Status: ongoing).

CPVO and UPOV agreed to follow three phases for Project 3:

* Phase 1: Lettuce and Rose (in 2024);
* Phase 2: Rollout the approach to other pilot crops where their UPOV TG are under revision (in 2024); and
* Phase 3: Fully automated synchronization for TQ5 (after 2024).

A workshop was organized on June 11, 2023, to discuss future improvements related to the bulk upload functionality (Project 4). The outcome of the workshop was presented to CPVO on the same day. It was agreed to:

* Fix pending issues: Stage, language, dropdown validation;
* Simplify the template: Reuse of Applicant/Breeder/Representative/Correspondence Address;
* Add the possibility to use of Purdy’s notation for hybrids;
* Implement validation after upload to minimize errors;
* Continue working on synchronization between UPOV PRISMA and CPVO online system; and
* introduce additional integration tests for migration of data to CPVO.

To overcome technological limitations arising from the transition to the cloud, a decision was made to utilize the newly developed REST APO for exporting application data from UPOV PRISMA to CPVO online system. As a result, it was needed to revise the planning and give higher priority to migrating to the new API before proceeding with Project 3.

### Plans for UPOV PRISMA Version 2.10

#### Release of Version 2.10

It is planned to release Version 2.10 of UPOV PRISMA in December 2023.

#### Crop coverage

In Version 2.10, the following new UPOV Technical Questionnaires will be added in UPOV PRISMA and applied to those UPOV members using UPOV TQ[[1]](#footnote-2) or UPOV TG characteristics[[2]](#footnote-3).

|  |  |
| --- | --- |
| Common Name | UPOV TG |
| Hardy Geranium, Crane's Bill | TG/330/1 |
| Calendula | TG/331/1 |
| Black Walnut | TG/332/1 Corr. |
| Gazania | TG/333/1 |
| Ranunculus | TG/334/1 |
| Brown Mustard | TG/335/1 |
| Coreopsis | TG/336/1 |
| Pistachio | TG/337/1 |
| Physic Nut | TG/338/1 |
| Zinnia | TG/339/1 |

In Version 2.10, the following UPOV Technical Questionnaires will be revised in UPOV PRISMA and applied to those UPOV members using UPOV TQ1 or UPOV TG characteristics2.

| Common Name | UPOV TG |
| --- | --- |
| Wheat | TG/3/12 |
| Field Bean | TG/8/7 |
| Lettuce | TG/13/11 Rev. |
| Barley | TG/19/11 |
| Oats | TG/20/11 |
| Freesia | TG/27/7 |
| Alstroemeria | TG/29/8 |
| Radish; Black Radish | TG/63/7-TG/64/7 TG/63/7-TG/64/7 Rev. Corr. |
| Pepper | TG/76/8 Rev. 2 |
| Japanese plum | TG/84/4 Corr. 2 Rev. 2 |
| Cotton | TG/88/7 |
| Macadamia | TG/111/4 |
| Mango | TG/112/4 TG/112/4 Corr. |
| Chestnut | TG/124/4 |
| Broccoli, Calabrese, Sprouting Broccoli, Winter broccoli | TG/151/5 |
| Leaf Chicory | TG/154/4 |
| Witloof, Chicory | TG/173/4 |
| Guzmania | TG/182/4 |
| Fennel | TG/183/4 |
| Artichoke, Cardoon | TG/184/4 Rev. |
| Lavendula, Lavendar | TG/194/1 Rev. |
| Petunia | TG/212/2 |
| Agaricus | TG/259/2 |
| Papaya, Pawpaw | TG/264/2 |
| Urochloa | TG/322/1 Corr. |
| Blueberry | TG/137/5 |
| Portulaca | TG/242/2 |
| Triticale | TG/121/4 |
| Red Clover | TG/5/8 |
| Thimoty | TG/34/7 |
| Lagerstroemia | TG/95/4 |
| Hydrangea | TG/133/5 |
| Chickpea | TG/143/5 |
| Tea | TG/238/2 |
| Turnip | TG/37/11 |
| Berberis | TG/68/4 |
| Apricot | TG/70/5 |
| Eustoma | TG/197/2 |
| Echinacea | TG/281/2 |
| Banana | TG/123/4 |

The coverage for China will be increased as follows:

| Common Name | Botanical Name | UPOV TG |
| --- | --- | --- |
| Soya bean | Glycine max (L.) Merrill | TG/80/6 |
| Kiwifruit | Actinidia Lindl. | TG/98/7 |
| Sunflower | Helianthus annuus L. | TG/81/6 |
| Tomato | Solanum lycopersicum L. | TG/44/11 |
| Hot pepper | Capsicum annuum L | TG/76/8 |
| Anthurium | Anthurium Schott | TG/86/5 |
| Guzmania | Guzmania Ruiz et Pav. | TG/182/4 |
| Cucumber | Cucumis sativus L. | TG/61/7 |
| Melon | Cucumis melo L. | TG/104/5 |
| Morchella | Morchella Dill. ex Pers. | National TG |

The coverage for Morocco will be increased as follows:

|  |  |  |
| --- | --- | --- |
| Common Name | Botanical Name | UPOV TG |
| French Bean | Phaseolus vulgaris L. | TG/12/9 Rev.2 |
| Hot pepper | Capsicum annuum L | TG/76/8 |
| Lettuce | Lactuca sativa L. | TG/13/x |
| Squash | Cucurbita pepo L. | TG/119/4 Corr.2 |
| Tomato | Solanum lycopersicum L. | TG/44/11 |
| Tomato Rootstocks | Solanum habrochaites S. Knapp & D.M. Spooner;  Solanum lycopersicum L. x Solanum habrochaites S.  Knapp & D.M. Spooner;  Solanum lycopersicum L. x  Solanum peruvianum (L.) Mill.;  Solanum lycopersicum L. x  Solanum cheesmaniae (L. Ridley) Fosberg;  Solanum pimpinellifolium L. x Solanum habrochaites  S. Knapp & D.M. Spooner | TG/294/1 Rev.3 |

The coverage for Serbia will be increased to include lettuce (Lactuca sativa L.) and potato (Solanum tuberosum L.).

#### Functionalities

The following functionalities are planned to be introduced in Version 2.10:

* Restriction on the selection of crops for National listing according to the list provided by the authority: (United Kingdom; and the Kingdom of the Netherlands);
* Bulk invoice upon request;
* Receive notification / alert when a change is made to the application form and the technical questionnaire for the United Kingdom; and
* PDF accessibility:
  1. Add document’s title and language as properties
     1. Title : Application data for “crop common name” in “authority name”
     2. Language
  2. All elements should be tagged and with a proper reading order.

### Plans for UPOV e-PVP admin module (March 2024)

#### Joining members

The Office of the Union have agreed with the United Kingdom and Ghana to plan for deployment of UPOV e-PVP Administration Module as from March 2024.

#### Functionalities

The following functionalities are anticipated in future releases:

* Variety description data
* Comparison of variety descriptions
* Auto generation of application number
* Rule-based automatic validation and status update in line with applicable legislation
* Generation of certificate of breeder’s right grant
* Consolidate data to generate reports.

### Plans for UPOV e-PVP DUS Report Exchange Module (March 2024)

#### Joining members

The Office of the Union have agreed with the United Kingdom and Ghana to plan for deployment of UPOV e-PVP DUS Report Exchange module as from March 2024.

#### Functionalities

The following functionalities are anticipated in future releases:

* Provide support for exchanging VCU (Value for Cultivation and Use) reports;
* Add a new role for test centers:
  + Request to test centers;
  + Exchange of Test results (Report) will be shared in UPOV e-PVP DUS Report Exchange module to the PVP office by the test centers.

# How to JOIN

## Initiating the process

To initiate the process to join UPOV e-PVP, the UPOV Council representative will need to send, or endorse, a request. This request should include the following information:

* Information on their current application system, including information on whether it is electronic;
* Which component(s) of UPOV e-PVP they would like to utilize;
* Whether the standard components would be used; and
* Date by when they would like the system to become operational.

Upon receipt of the request, the Office of the Union will make an assessment of the timeline to implement the UPOV e-PVP components according to the availability of resources and discuss a plan with the UPOV member concerned.

## Acknowledgement of the Terms of Use

To join UPOV e-PVP, the representative to the UPOV Council of the UPOV member concerned will need to sign a letter with the acknowledgement of the terms of use (see <https://www.upov.int/upovepvp/en/termsuse.html>).

# COST

## Standard UPOV e-PVP Administration Module

The cost of UPOV hosting the service on the cloud would need to be borne by the UPOV member. The UPOV cloud hosting service is provided in accordance with the conditions specified in an exchange of letters with the relevant UPOV member. As an alternative, the software can be hosted on infrastructure owned and/or controlled by the UPOV member.

## Customized UPOV e-PVP Administration Module

Versions of the UPOV e-PVP Administration Module customized according to the specific needs of UPOV members can be developed with UPOV where all the necessary resources are provided by the UPOV member and subject to the priorities of the Office of the Union.

## Standard UPOV e-PVP DUS Report Exchange Module

The standard UPOV e-PVP DUS Report Exchange Module will be available to UPOV members without charge.

## Customized UPOV e-PVP DUS Report Exchange Module

Versions of the UPOV e-PVP DUS Report Exchange Module customized according to the specific needs of UPOV members can be developed with UPOV where all the necessary resources are provided by the UPOV member and subject to the priorities of the Office of the Union.

# FUTURE PLANS

The Annex to this document presents the current situation and future plans of UPOV members as of October 12, 2023, in relation to the use of UPOV e-PVP and its components.

# Second meeting on electronic applications (EAM/2)

The Second meeting of the EAM (EAF/2 meeting) will be organized as a hybrid meeting (physical/virtual means) on October 24, 2023.

[Annex follows]

| **Authority** | **UPOV PRISMA** | **UPOV e-PVP  Administration Module** | **UPOV e-PVP  DUS Report Exchange Module** | **PLUTO: year of latest contribution** |
| --- | --- | --- | --- | --- |
| African Intellectual Property Organization (OAPI) | Participating | Interest expressed To be discussed further |  |  |
| Albania |  |  |  |  |
| Argentina\* | Until required information is provided, applicants will not be able to submit application data for the concerned authorities |  |  | 2023 |
| Australia | Participating |  |  | 2023 |
| Austria |  |  |  | 2023 |
| Azerbaijan |  |  |  |  |
| Belarus |  |  |  | 2023 |
| Belgium |  |  |  | 2023 |
| Bolivia (Plurinational State of)\* | Until required information is provided, applicants will not be able to submit application data for the concerned authorities |  |  | 2023 |
| Bosnia and Herzegovina |  |  |  |  |
| Brazil | Have requested to join UPOV PRISMA |  |  | 2023 |
| Bulgaria |  |  |  | 2023 |
| Canada | Participating | Participated in the test campaign | Has requested to join UPOV e-PVP DUS Exchange | 2023 |
| Chile | Participating |  |  | 2023 |
| China | Participating | Participated in the test campaign To be discussed further | Participated in the test campaign | 2017 |
| Colombia | Participating |  |  | 2019 |
| Costa Rica | Participating |  |  | 2019 |
| Croatia |  |  |  | 2023 |
| Czech Republic |  |  |  | 2023 |
| Denmark |  |  |  | 2023 |
| Dominican Republic | Participating |  |  | 2023 |
| Ecuador | Participating |  |  | 2017 |
| Egypt | Have requested to join UPOV PRISMA |  |  | 2023 |
| Estonia |  |  |  | 2023 |
| European Union | Participating | Participated in the test campaign | Participated in the test campaign To be discussed further | 2023 |
| Finland |  |  |  | 2023 |
| France | Participating |  |  | 2023 |
| Georgia | Participating |  |  | 2023 |
| Germany |  |  |  | 2023 |
| Ghana | Have requested to join UPOV e-PVP | Have requested to join UPOV e-PVP | Have requested to join UPOV e-PVP |  |
| Hungary |  |  |  | 2023 |
| Iceland |  |  |  | 2023 |
| Ireland |  |  |  | 2023 |
| Israel | Have requested to join UPOV PRISMA | Participated in the test campaign | Participated in the test campaign | 2023 |
| Italy |  |  |  | 2023 |
| Japan | Will join UPOV PRISMA as part of e-PVP Asia initiative | Participated in the test campaign | Participated in the test campaign Will join UPOV e-PVP DUS Exchange Module as part of e-PVP Asia initiative | 2023 |
| Jordan |  |  |  | 2016 |
| Kenya | Participating |  |  | 2023 |
| Kyrgyzstan |  |  |  | 2014 |
| Latvia |  |  |  | 2022 |
| Lithuania |  |  |  | 2022 |
| Mexico | Participating |  |  | 2023 |
| Montenegro |  |  |  |  |
| Morocco | Participating |  |  | 2022 |
| Kingdom of the Netherlands | Participating | Participated in the test campaign | Participated in the test campaign To be discussed further | 2023 |
| New Zealand | Participating |  |  | 2023 |
| Nicaragua |  |  |  | 2022 |
| North Macedonia |  |  |  |  |
| Norway | Participating |  |  | 2023 |
| Oman |  |  |  | 2017 |
| Panama |  |  |  |  |
| Paraguay\* | Until required information is provided, applicants will not be able to submit application data for the concerned authorities |  |  | 2023 |
| Peru | Participating |  |  | 2023 |
| Poland |  |  |  | 2023 |
| Portugal |  |  |  | 2023 |
| Republic of Korea | Participating |  |  | 2023 |
| Republic of Moldova | Participating |  |  | 2023 |
| Romania |  |  |  | 2023 |
| Russian Federation |  |  |  | 2020 |
| Saint Vincent and the Grenadines | Participating |  |  |  |
| Serbia | Participating |  |  | 2022 |
| Singapore |  |  |  |  |
| Slovakia |  |  |  | 2023 |
| Slovenia |  |  |  | 2023 |
| South Africa | Participating |  |  | 2021 |
| Spain |  |  |  | 2023 |
| Sweden | Participating |  |  | 2023 |
| Switzerland | Participating |  |  | 2023 |
| Trinidad and Tobago | Participating |  |  |  |
| Tunisia | Participating |  |  |  |
| Türkiye | Participating |  |  | 2023 |
| Ukraine |  |  |  | 2023 |
| United Kingdom | Participating | Have requested to join UPOV e-PVP | Have requested to join UPOV e-PVP | 2023 |
| United Republic of Tanzania | Have requested to join UPOV PRISMA |  |  |  |
| United States of America | Participating |  |  | 2023 |
| Uruguay | Participating |  |  | 2023 |
| Uzbekistan |  |  |  | 2018 |
| Viet Nam | Participating | Participating | Participating |  |

*\* Until required information is provided, applicants will not be able to submit application data.*

[End of Annex and of document]

1. African Intellectual Property Organization, Argentina (Wheat, Barely, Black Radish, Pepper, Cotton, Witloof Chicory, Papaya), Chile, China (Lettuce), Colombia, Costa Rica, Dominican Republic, Ecuador, France, Georgia (Wheat, Field Bean, Barley, Oats, Blueberry), Kenya, Morocco (Blueberry), Netherlands (Kingdom of the), New Zealand, Republic of Korea (Lettuce), Republic of Moldova (Wheat, Lettuce, Oats, Pepper), Saint Vincent and the Grenadines, Serbia (Blueberry), South Africa, Sweden, Switzerland, Tunisia, Türkiye, United Kingdom, Viet Nam [↑](#footnote-ref-2)
2. Australia, European Union, Mexico, Norway, Peru, United States of America (excluding Zinnia, Field Bean, Barley, Cotton, Triticale), Uruguay [↑](#footnote-ref-3)