

Meeting on Electronic Applications

EAM/2/6

**Second meeting
Geneva, October 24, 2023****Original:** English
Date: March 12, 2024**REPORT***adopted by the Meeting on Electronic Applications**Disclaimer: this document does not represent UPOV policies or guidance***WELCOME AND OPENING**

1. The second meeting on electronic applications (EAM/2), which was held as a hybrid meeting (physical/virtual means), was opened and chaired by Ms. Yolanda Huerta, Vice Secretary-General of UPOV, who welcomed the participants.
2. The list of participants is reproduced in Annex I to this report.

APPROVAL OF THE AGENDA

3. The meeting adopted the draft agenda as proposed in document EAM/2/1.

DEVELOPMENTS CONCERNING UPOV e-PVPOverview of UPOV e-PVP

4. The meeting considered document EAM/2/2 “Overview of UPOV e-PVP” and received a presentation by the Office of the Union on:
 - the components of UPOV e-PVP;
 - the test campaign held from July 18, 2023 to August 11, 2023;
 - the launch of UPOV e-PVP on September 28, 2023, with Viet Nam as the first UPOV member joining UPOV e-PVP by using the full package of components; and,
 - the procedure to follow in order to join UPOV e-PVP.
5. A copy of the presentation is reproduced in Annex II to this document.

UPOV PRISMA

6. The meeting considered document EAM/2/3 “UPOV PRISMA” and received a presentation by the Office of the Union on the developments concerning UPOV PRISMA since the first Meeting on Electronic Applications (EAM/1), a copy of which is reproduced in Annex II to this document.

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

7. The EAM/2 participants noted the information on the use of UPOV PRISMA as of September 30, 2023, as reported in Annex II of this report.

Launch of Version 2.9 (September 2023)

8. The EAM/2 participants noted that UPOV PRISMA Version 2.9 was deployed on September 25, 2023, with the following:

- The application form and technical questionnaire for Lettuce were updated for China;
- South Africa uses the United Kingdom TQ for Sugar Beet;
- Viet Nam expanded coverage to all genera and species;
- 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).

Other developments

IT Quality Software Audit

9. The Office of the Union recalled that a code audit had been organized, which had produced the following recommendations:

- (1) Implement best practices in terms of coding in order to avoid concurrency and performance issues;
- (2) Move to the cloud for a better resource management at infrastructure level and keep following the highest security standards;
- (3) Develop a dedicated configuration interface for a controlled management of the forms.

10. The EAM/2 participants noted the report on the following plans for implementing the above recommendations:

- 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.

11. The EAM/2 participants noted that 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

12. The EAM/2 participants noted the report on the agreed actions during the Task Force meeting held on May 10, 2023:

- The Office of the Union to report on the technical issues received through UPOV PRISMA mailbox at the TF 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;
- The Office of the Union will present an overview of the following at future Task Force meetings, by authority; and
- Number of applications and proportion made via UPOV PRISMA
 - Need for original documents,
 - Completeness of PVP office procedure information in UPOV PRISMA.

CPVO synchronization

13. The EAM/2 participants noted that in order to achieve and maintain synchronization of TQs between UPOV PRISMA and CPVO (see documents UPOV/EAF/16/3 “Report” paragraph 18, UPOV/EAF/17/3 “Report” paragraph 32 and UPOV/EAF/18/3 “Report” paragraph 12) the following projects had 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);
- 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).

14. The EAM/2 participants noted the report on each project (as of October 24, 2023), as reported in Annex II of this report.

15. The EAM/2 participants noted that 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.

16. The EAM/2 participants noted the transitional arrangements agreed by UPOV and CPVO in relation to Project 5, as reported in Annex II of this report.

Plans for Version 2.10

17. The EAM/2 participants noted that Version 2.9 would be deployed in December 2023 with the following updates:

- The following new UPOV Technical Questionnaires will be added in UPOV PRISMA and applied to those UPOV members using UPOV TQ¹ or UPOV TG characteristics²:

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

- 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

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.

² Australia, European Union, Mexico, Norway, Peru, United States of America (excluding Zinnia, Field Bean, Barley, Cotton, Triticale), Uruguay.

Common Name	UPOV TG
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 annum 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 annum 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

Common Name	Botanical Name	UPOV TG
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.);
- 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:
 - Add document's title and language as properties
 - Title : Application data for "crop common name" in "authority name"
 - Language
 - All elements should be tagged and with a proper reading order.

Plans for Version 3.0

18. The EAM/2 participants noted that Version 3.0 was planned to be deployed in September 2024.
19. The EAM/2 participants noted the plans for Version 3.0 as follows:
 - Migrate UPOV PRISMA to the cloud;
 - Implement the new screen design for Start New Application and Copy Application;
 - Improve user management functionality;
 - Add a "floating" menu for chapters in the generated form page; and
 - Bulk Upload improvements:
 - a. Fix pending issues: Stage, language, dropdown validation
 - b. Simplify the template: Reuse of Applicant/Breeder/Representative/Correspondence Address
 - c. Add the possibility to use of Purdy's notation for hybrids
 - d. Implement validation after upload to minimize errors.

Possible future developments

User-friendliness of the tool

20. The EAM/2 participants noted that the following elements would be considered after 2024 to increase the user-friendliness of UPOV PRISMA:
 - Addition of non UPOV TQ characteristics in TQ Section 7 instead of TQ Section 5 (see document UPOV/EAF/17/3 "Report" paragraph 19);
 - Crop-specific TQs beyond Test Guidelines (see document UPOV/EAF/16/3 "Report" paragraph 18).

New functionalities

21. The EAM/2 participants noted that the following new functionalities would be considered for development:
 - Bulk Upload (for maize, United Kingdom);
 - Machine translation (see document UPOV/EAF/16/3 "Report" paragraph 18).

UPOV e-PVP Administration Module

Features

22. The meeting considered document EAM/2/4 “UPOV e-PVP administration module” and received a presentation by the Office of the Union, a copy of which is reproduced in Annex II.

23. The EAM/2 participants noted that the UPOV e-PVP Administration Module would provide the following features for PVP offices:

- Administer applications/grants
- Communicate with applicants/title holders
- Publish PVP data in the PVP office publication and PLUTO database.

Developments since EAM/1

24. The EAM/2 participants noted that on September 28, 2023, Viet Nam became the first UPOV member to use UPOV e-PVP with the Administration Module component.

25. The EAM/2 participants noted that the UPOV e-PVP Administration Module was extended to support national listing and that as part of the work done with Viet Nam, the following functionalities would be included in the standard UPOV e-PVP Administration Module:

- Check payment status
- National publications according to the format proposed in UPOV/INF/5
- PVP statistics report to be sent to UPOV.

Cost

26. The EAM/2 participants noted that the standard UPOV e-PVP Administration Module will be made available to members of the Union without charge and will be maintained by UPOV. 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.

27. The Office of the Union recalled (see above) that customized versions of the UPOV e-PVP Administration Module according to the specific needs of members of the Union could be developed with UPOV where the necessary extra-budgetary resources were provided and subject to the resource implications for the Office of the Union.

Future developments

28. The EAM/2 participants noted that Ghana and the United Kingdom would tentatively start using UPOV e-PVP Administration Module as from March 2024.

29. The EAM/2 participants noted that the following functionalities were 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.

UPOV e-PVP DUS Report Exchange Module

Features

30. The meeting considered document EAM/2/5 “UPOV e-PVP DUS Report Exchange Module” and received a presentation by the Office of the Union, a copy of which is reproduced in Annex II.

31. The EAM/2 participants noted that the UPOV e-PVP DUS Report Exchange Module would provide the following features for PVP offices:

- Make existing DUS reports available to other UPOV members (option for bulk-uploading);
- Obtain DUS reports
 - Search for existing DUS reports,
 - Make a request for information on the possibility to use a DUS report,
 - Communicate with the PVP Office providing the report,
 - Be informed that a request has been accepted,
 - Be informed when a DUS report is made available;
- Track the history of each request.

Developments since EAM/1

32. The EAM/2 participants noted that on September 28, 2023, Viet Nam became the first UPOV member to use UPOV e-PVP with the DUS Report Exchange Module component.

33. The EAM/2 participants noted that Utility feature to upload information on the status of reports (whether the DUS examination is in progress or completed) in bulk would be available. A new status “Ready” has been introduced to allow the PVP office to indicate that the report is ready (and the DUS examination is completed) without uploading the report into the system.

How to join

34. The EAM/2 participants noted that to join UPOV e-PVP, the representative to the UPOV Council of the UPOV member concerned will need to sign a letter of acknowledgement of the terms of use (see <https://www.upov.int/upovepvp/en/termsuse.html>).

Future developments

35. The EAM/2 participants noted that Ghana and the United Kingdom would tentatively start using the UPOV e-PVP DUS Report Exchange Module as from March 2024.

36. The EAM/2 participants noted that the following functionalities were 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.

DATE OF NEXT MEETING

37. The next meeting of the EAM was agreed to be held by electronic means on March 18, 2024, at 12 pm.

38. *This report was adopted by correspondence.*

[Annex I follows]

ANNEXE I / ANNEX I / ANEXO I

LISTE DES PARTICIPANTS / LIST OF PARTICIPANTS / LISTA DE PARTICIPANTES

(dans l'ordre alphabétique des noms français des membres / in the alphabetical order of the French names of the members / por orden alfabético de los nombres en francés de los miembros)

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Martin EKVAD (Mr.), Director of Legal Affairs

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Manabu SUZUKI (Mr.), Technical/Regional Officer (Asia)

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[L'annexe II suit/
Annex II follows/
Sigue el Anexo II]

Meeting on electronic applications

Developments concerning UPOV E-PVP



Geneva, October 24, 2023

Document EAM/2/2 'Overview of UPOV e-PVP'



UPOV

UPOV e-PVP : Package of compatible IT components

- UPOV e-PVP provides the following components to assist UPOV members in implementing the UPOV system of plant variety protection:
 - UPOV PRISMA: online application tool for **making applications** to PVP Offices
 - 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
 - UPOV e-PVP DUS Report Exchange Module: platform for PVP offices to **exchange DUS reports**
 - PLUTO database: information on plant varieties
- Some or all of the components of which can be used by members of the Union, as considered appropriate

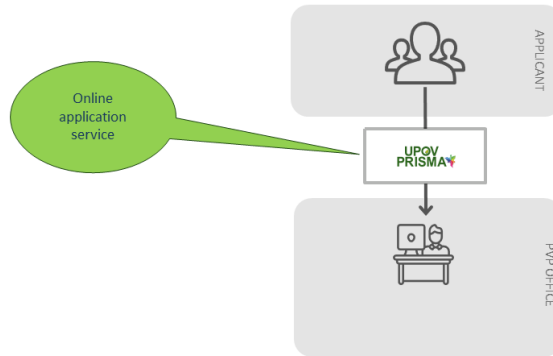
UPOV e-PVP

UPOV e-PVP also provides the basis for platforms for UPOV member **cooperation** in the administration and examination of applications.

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UPOV

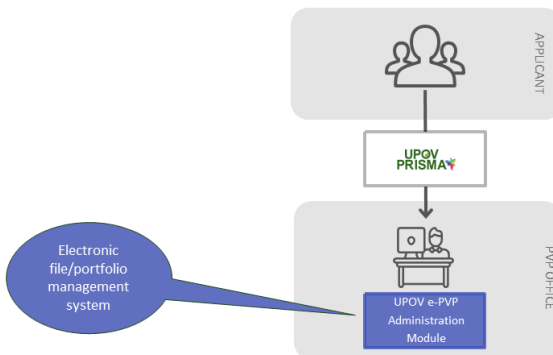
UPOV e-PVP



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UPOV

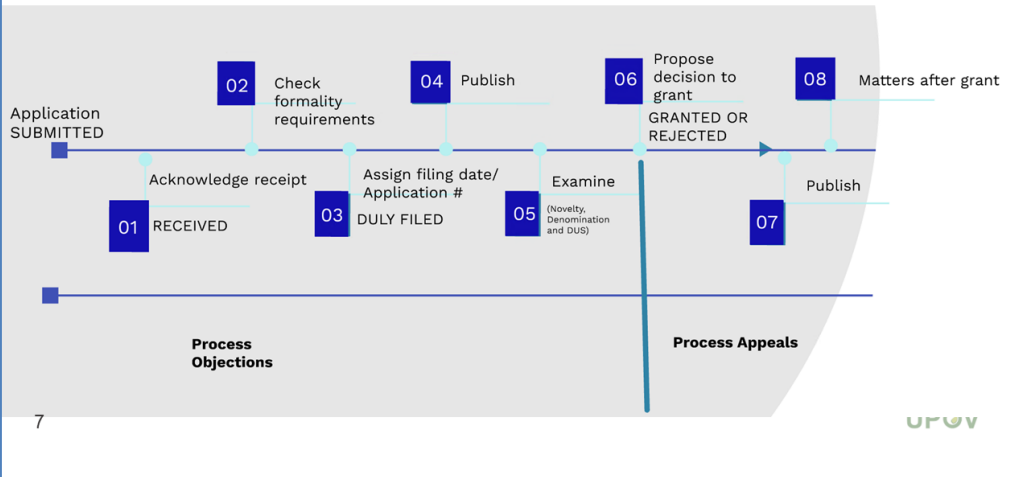
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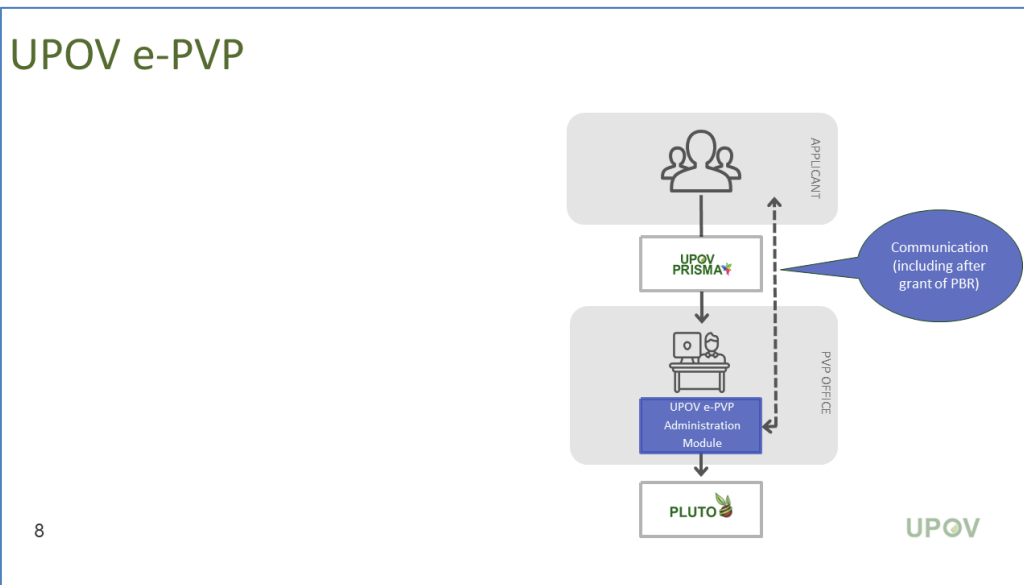
6

UPOV

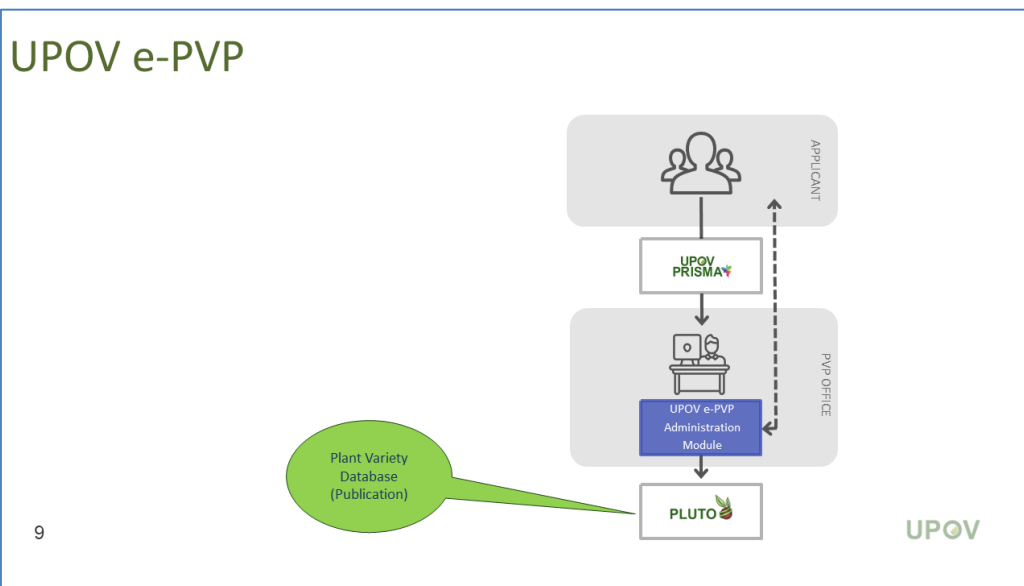
UPOV e-PVP Administration Module



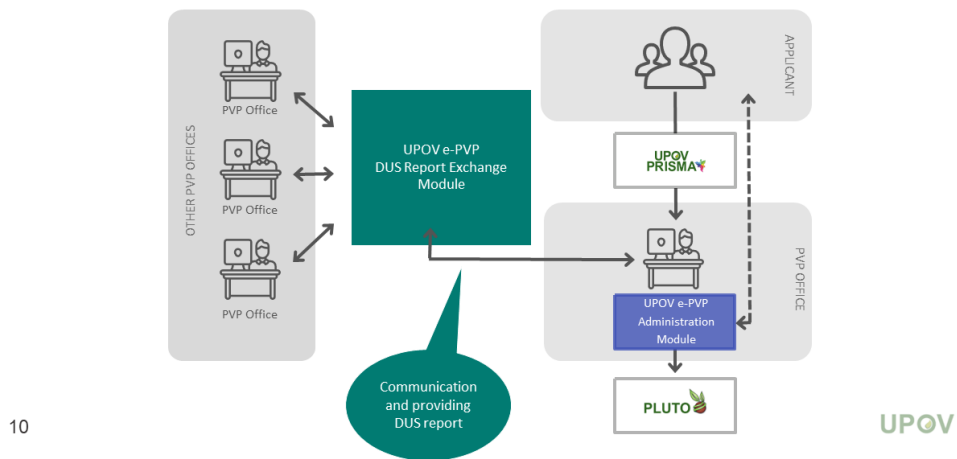
UPOV e-PVP



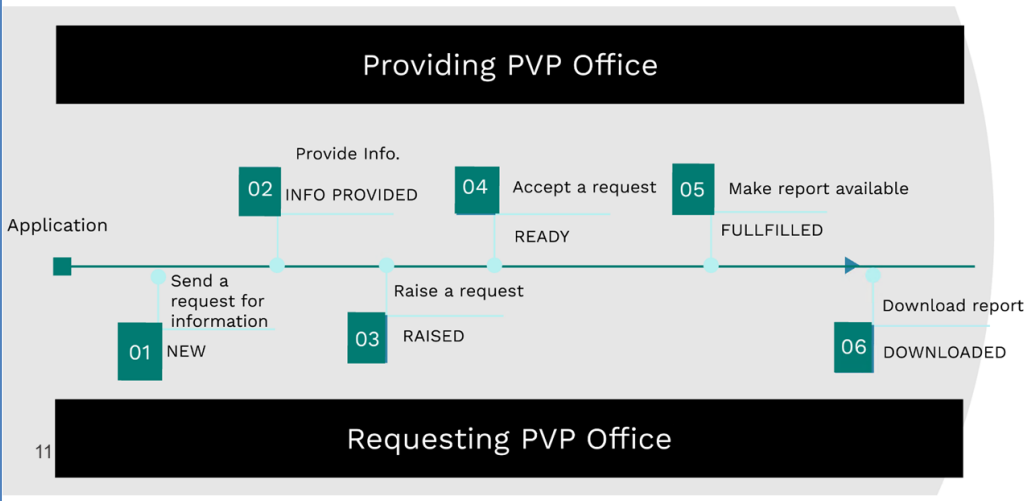
UPOV e-PVP



UPOV e-PVP



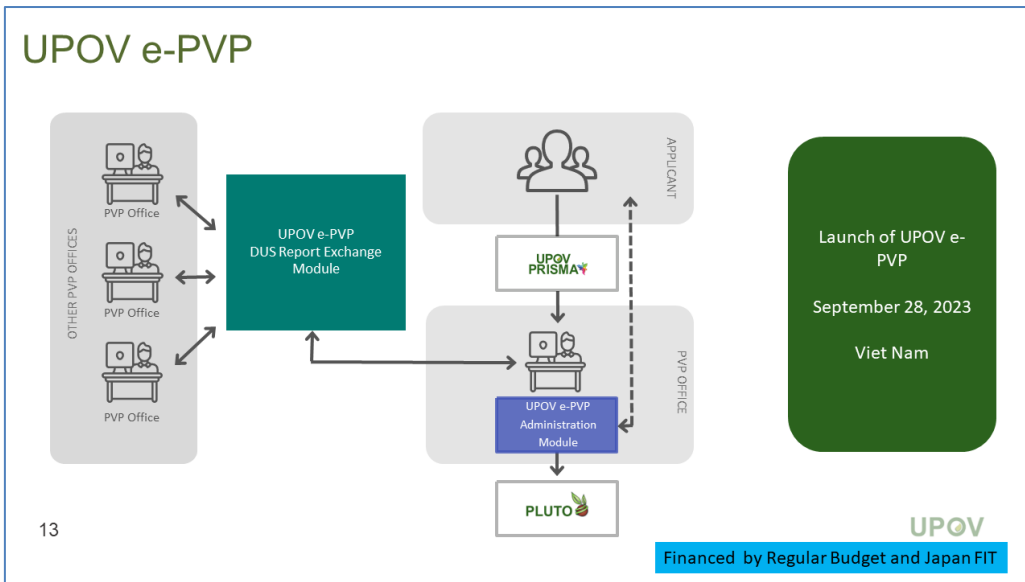
UPOV e-PVP DUS Exchange Module



Benefits of UPOV e-PVP for PVP offices

- All UPOV members can have an efficient PVP administrative system:
 - Online application tool (= UPOV PRISMA)
 - Electronic file/portfolio management system
 - Communication tool with applicants
 - Automated, electronic transfer of data to PLUTO database
 - DUS report exchange platform
- Secure environment to international standards
- Maintenance by UPOV Office
- Minimal costs: only costs to PVP Office are cloud data storage (if standard modules)

➤ **More applications for new varieties = more improved varieties for farmers**



UPOV e-PVP

Test Campaign (July 18 to August 11, 2023)

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

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UPOV

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 of **acknowledgement of the terms of use** (see <https://www.upov.int/upovevp/en/termsuse.html>).

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UPOV



**Document EAM/2/3
'UPOV PRISMA'**

PREVIEW

- Use of UPOV PRISMA
- Launch of UPOV PRISMA Version 2.9 (September 2023)
- Other developments
- Plans for Version 2.10 (December 2023)
- Plans for Version 3.0 (2024)
- Possible future developments (after 2024)

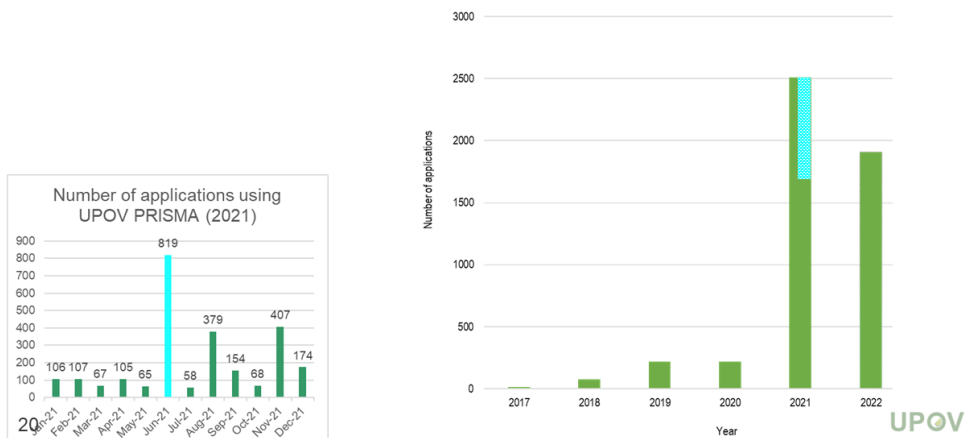
PREVIEW

- **Use of UPOV PRISMA**
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UPOV

Number of applications using UPOV PRISMA



PREVIEW

- Use of UPOV PRISMA
- **Launch of UPOV PRISMA Version 2.9 (September 2023)**
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UPOV

Launch of UPOV PRISMA Version 2.9 (V2.9)



- Deployment on **September 25, 2023**

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UPOV

Scope - UPOV PRISMA Version 2.9



- Coverage:
 - UPOV Members:
 - The application form and technical questionnaire for **Lettuce** were updated for **China**.
 - **South Africa** uses the United Kingdom TQ for **Sugar Beet**.
 - Crops/ species :
 - Expand the coverage of **Viet Nam** to **all genera and species**.

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UPOV

Scope - UPOV PRISMA Version 2.9



- **New functionalities in V2.9 :**
 - 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**;

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UPOV

Scope - UPOV PRISMA Version 2.9

- 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).

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UPOV

PREVIEW

- Use of UPOV PRISMA
- Launch of UPOV PRISMA Version 2.9 (September 2023)
- **Other developments**
 - Plans for Version 2.10 (October 2023)
 - Plans for Version 3.0 (2024)
 - Possible future developments (after 2024)



UPOV


- **IT Quality Software Audit**
 - Improvement of user-friendliness of UPOV PRISMA
 - CPVO Synchronization
 - Coverage of Test Guidelines: Sugar Beet

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UPOV

Software quality improvement

Code Audit

- Implement best practices in terms of coding in order to avoid **concurrency** and **performance** issues; →  Implemented in Version 2.8
- Move to **the cloud** for a better resource management at infrastructure level and keep following the highest security standards ; In Progress
- Develop **a dedicated configuration** interface for a controlled management of the forms; In Progress

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UPOV

Software quality improvement

Regression Testing

- 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.

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UPOV

- IT Quality Software Audit
- Improvement of user-friendliness of UPOV PRISMA
- CPVO Synchronization
- Coverage of Test Guidelines: Sugar Beet

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UPOV

User-friendliness of UPOV PRISMA

- Consultations with Users on how to improve some functionalities- screens in UPOV PRISMA
- Proposals were made by an external company
- Round discussion with UPOV PRISMA Task Force group : February and June 2022
- Implementation in Progress

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UPOV

User-friendliness of UPOV PRISMA

• 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 TF 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;

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UPOV

User-friendliness of UPOV PRISMA

- 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

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UPOV



Other developments

- IT Quality Software Audit
- Improvement of user-friendliness of UPOV PRISMA
- **CPVO Synchronization**
- Coverage of Test Guidelines: Sugar Beet

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UPOV

CPVO participation in UPOV PRISMA

In order to achieve and maintain synchronization of TQs between UPOV PRISMA and CPVO (see document UPOV/EAF/16/3 "Report" paragraph 18, document UPOV/EAF/17/3 "Report" paragraph 32 and document UPOV/EAF/18/3 "Report", paragraph 12) 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 → ✓
- Project 2: Part A: Resolving current issues; Part B : Synchronizing changes by UPOV/CPVO
- Project 3: Implementation of Project 2 outcome: Bi-directional exchange of application data (lettuce, tomato, rose)
- Project 4: Bulk upload of Maize applications from UPOV to CPVO → Proof of concept ✓
- 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

UPOV

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Project 4

- Proof of concept : completed
- The bulk upload (QZ Maize) were used in November 2022 (Pilot with Corteva)
- Bulk Invoice : in progress (Version 2.10)

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UPOV

Project 4

- 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.

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UPOV

Project 2 and 3- Three phases

- To overcome technological limitations arising from the transition to the cloud, a decision was made to utilize the newly developed REST API 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.

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UPOV

Project 5: Information to stakeholders

- Information to stakeholders will continue to take place in the Task Force and EAM meetings
- Next Task Force meeting: **November 14th, 2023 at 10:30 AM.**

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UPOV

PREVIEW

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- Other developments
- **Plans for Version 2.10 (December 2023)**
- Plans for Version 3.0 (2024)
- Possible future developments (after 2024)



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UPOV

Status - UPOV PRISMA Version 2.10



- Crop Coverage:
 - Added UPOV TQs

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
Careopsis	TG/336/1
Pistachio	TG/337/1
Physic Nut	TG/338/1
Zinnia	TG/339/1

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UPOV



Status - UPOV PRISMA Version 2.10

- Updated UPOV TQs

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
Ailstroemia	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
Turhlp	TG/37/11
Berberis	TG/68/4
Apricot	TG/70/5
Eustoma	TG/197/2
Echinacea	TG/281/2
Banana	TG/123/4

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UPOV

Status - UPOV PRISMA Version 2.10



- Crop Coverage:
 - China:

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

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UPOV

Status - UPOV PRISMA Version 2.10



- Crop Coverage:
 - Morocco:

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.).

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UPOV

Status - UPOV PRISMA Version 2.10



- New functionalities in V2.10 :
 - 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;

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UPOV

Status - UPOV PRISMA Version 2.10



- PDF accessibility:
 - Add document's title and language as properties
 - Title : Application data for "crop common name" in "authority name"
 - Language
 - All elements should be tagged and with a proper reading order.

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UPOV

PREVIEW

- Use of UPOV PRISMA
- Launch of UPOV PRISMA Version 2.9 (September 2023)
- Other developments
- Plans for Version 2.10 (October 2023)
- **Plans for Version 3.0 (2024)**
- Possible future developments (after 2024)



UPOV

Status - UPOV PRISMA Version 2.10



- Planned in 2024

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UPOV

Status - UPOV PRISMA Version 3.0



- New functionalities in V3.0 :
 - Migrate UPOV PRISMA to the cloud;
 - Implement the new screen design for Start New Application and Copy Application;
 - Improve user management functionality;
 - Add a “floating” menu for chapters in the generated form page; and

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UPOV

Status - UPOV PRISMA Version 3.0



- Bulk Upload improvements:
 - 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

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UPOV

PREVIEW

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- Possible future developments (after 2024)



UPOV

Future developments (After 2024)



- User-friendliness of the tool
 - Addition of non UPOV TQ characteristics in TQ7
 - Crop-specific TQs beyond Test Guidelines
- New functionalities
 - Bulk Upload (for maize, United Kingdom)
 - Machine translation

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UPOV

Future developments (After 2024)



- Feedback Received from the users:
 - Support multiple billing addresses
 - Improve Payment tracking interface
 - Allow to fill and sign the invoice


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UPOV



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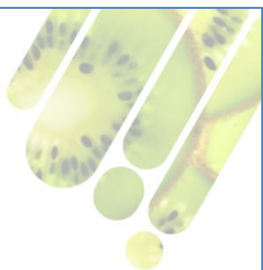
UPOV



Document EAM/2/4
'UPOV e-PVP
ADMINISTRATION
MODULE'

UPOV

PREVIEW

- 
- UPOV e-PVP Administration Module Features
 - Developments since EAM/1
 - Cost
 - Future developments

UPOV

UPOV e-PVP Administration Module Features

- Administer applications/grants
- Communicate with applicants/title holders
- Publish PVP data in the PVP office publication and PLUTO database

PREVIEW

- UPOV e-PVP Administration Module Features
- **Developments since EAM/1**
- Cost
- Future developments



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UPOV

Developments since EAM/1

- On September 28, 2023, **Viet Nam** became the first UPOV member to use UPOV e-PVP with the Administration Module component.
- The examination workflow of UPOV e-PVP Administration Module has been extended to support **national listing**.
- As part of the work done with Viet Nam, the following functionalities are proposed to be included in the standard UPOV e-PVP Administration Module:
 - Check **payment status**
 - National **publications** according to the format proposed in UPOV/INF/5
 - **PVP statistics** report to be sent to UPOV

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UPOV

PREVIEW

- UPOV e-PVP Administration Module Features
- Developments since EAM/1
- **Cost**
- Future developments



UPOV

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.

UPOV

PREVIEW

- UPOV e-PVP Administration Module Features
- Developments since EAM/1
- Cost
- Future developments



UPOV

Future Developments

Participating members

- Requests from Ghana and the United Kingdom to join UPOV e-PVP.
- Deployment of the UPOV e-PVP Administration Module planned in March 2024.

Functionalities

- 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.



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UPOV

**Document EAM/2/5
'UPOV e-PVP DUS
Report Exchange
MODULE'**



UPOV

PREVIEW

- UPOV e-PVP DUS Report Exchange Module Features
- Planned launch date
- Cost
- Future Developments



UPOV

UPOV e-PVP DUS Report Exchange Module Features

- Make existing DUS reports available to other UPOV members (option for bulk-uploading);
- Obtaining DUS reports
 - Search for existing DUS reports,
 - Make a request for information on the possibility to obtain a DUS report,
 - Communications between the providing and receiving PVP Office,
 - Notification when a DUS report is made available.
- Track the history of each request.

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UPOV

UPOV e-PVP DUS Report Exchange Module Features

- Available for all UPOV members and can be used independently of the other UPOV e-PVP modules.
- Both the UPOV member of the requesting PVP office and the UPOV member of the providing PVP office need to join the UPOV e-PVP DUS Report Exchange Module for the transfer of DUS reports.

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UPOV

PREVIEW

- UPOV e-PVP DUS Report Exchange Module Features
- Developments since EAM/1
- Cost
- Future Developments



UPOV

Developments since EAM/1

- On September 28, 2023, Viet Nam became the first UPOV member to use UPOV e-PVP with the DUS Report Exchange Module component.
- Utility feature to upload information on the status of reports (whether the DUS examination is in progress or completed) in bulk is now available.
- A new status “Ready” has been introduced to allow the PVP office to indicate that the report is ready (and the DUS examination is completed) **without uploading the report into the system**.
- The status “In progress” indicates that a report request has been **accepted**, and the DUS examination is **in progress**.
- When the DUS examination is completed, the PVP office should be able to change the status to either “Completed” (not yet uploaded) or “Available” (completed and uploaded in the module).

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UPOV

PREVIEW

- UPOV e-PVP DUS Report Exchange Module Features
- Developments since EAM/1
- **Cost**
- Future Developments



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Cost

- Available for all UPOV members **without charge**

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PREVIEW

- UPOV e-PVP DUS Report Exchange Module Features
- Developments since EAM/1
- Cost
- **Future Developments**



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Future Developments

Participating members

- Requests from **Ghana** and the **United Kingdom** to join UPOV e-PVP.
- Deployment of the UPOV e-PVP DUS Exchange Module planned in **March 2024**.

Functionalities

- 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.

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Next steps



Business focal points



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**UPOV e-PVP
information sessions**

Uchtenhagen Room
(AB - Mezzanine)

ENGLISH	October 25, 2023 (Wednesday) 13 :15 – 14 :15 (CEST)
FRANÇAIS	26 octobre 2023 (jeudi) 13 :15 – 14 :15 (CEST)
ESPAÑOL	27 de octubre de 2023 (viernes) 12 :45 – 13 :45 (CEST)

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Next EAM/3 Meeting :
➤ **Monday March 18, 2024**
➤ Hybrid

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