



TWC/32/8

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

TECHNICAL WORKING PARTY ON AUTOMATION AND COMPUTER PROGRAMS

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ELECTRONIC APPLICATION SYSTEMS

Document prepared by the Office of the Union

Disclaimer: this document does not represent UPOV policies or guidance

1. The purpose of this document is to report on developments concerning the development of a prototype electronic form, and a survey of members of the Union on their use of databases and electronic application systems.

2. The structure of this document is as follows:

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DEVELOPMENT OF A PROTOTYPE ELECTRONIC FORM	

Background

3. The aim of the project on a prototype electronic form is to develop a multilingual, electronic form containing questions relevant for plant breeders' rights (PBRs) applications. The aim of the prototype would be to develop an electronic form covering all relevant information required for a PBR application in the members of the Union concerned and with questions translated in the relevant languages for the members of the Union concerned (see document TC/50/9 "Electronic Application Systems", paragraph 2).

Developments

4. The Administrative and Legal Committee (CAJ) at its sixty-sixth session in Geneva on October 29, 2012, endorsed the development of a prototype electronic form for interested members of the Union and agreed that the key aspects of the prototype from the perspective of members of the Union would be as follows (see document CAJ/66/8 "Report on the Conclusions", paragraphs 22 and 23):

Form Content: The UPOV electronic form would contain all items required by the participating members of the Union, i.e. it would contain all items in the UPOV Model Application Form and, in addition, items required for an application in the participating member of the Union concerned. Applicants would select the

members of the Union in which they wish to make an application and all relevant items for the selected members of the Union would be presented for completion.

Status: Participating members of the Union would decide the status of any data provided via the UPOV electronic form for their own situation.

Data format: The UPOV electronic form would enable data to be transferred to participating members of the Union in Word, Excel, PDF or XML format. The participating members of the Union would decide in which format(s) to accept data. In the case of XML format, a standard format would be developed, based on WIPO standard ST.96.

Languages: The UPOV electronic form would present all items (questions) in English, French, German and Spanish. Translations for all items (questions) in other languages would be provided by the participating members of the Union, with a suitable disclaimer.

Crops/species: Crops/species for the prototype would be one or more of:

Wheat (*Triticum aestivum* L.); Maize (*Zea mays* L.);
Potato (*Solanum tuberosum* L.); Lettuce (*Lactuca sativa* L.);
Tomato (*Solanum lycopersicum* L.); Pea (*Pisum sativum* L.);
and Ryegrass (*Lolium* L.);

and one or more of:

Rose (*Rosa* L.); Chrysanthemum (*Chrysanthemum* L.);
Carnation (*Dianthus* L.); Pelargonium (*Pelargonium* L'Hér. ex Ait.);
Petunia (*Petunia* Juss.); Peach (*Prunus persica* (L.) Batsch);
and Apple (*Malus domestica* Borkh.).

Participating members of the Union would be able to select the crops/species in which to participate, i.e. the UPOV electronic form for each crop/species could have different participating members of the Union. The selection of the crops/species for the prototype would be made by the Office of the Union in consultation with the participating members of the Union, ISF and CIOPORA.

Partners: The partners in the development of the prototype would be the participating members of the Union (including the continued participation of the Community Plant Variety Office of the European Union (CPVO)), Office of the Union, WIPO Internet Services Section, WIPO Standards Section, WIPO Global Database Service, ISF and CIOPORA.

Meetings: Meetings for the development of the prototype would, in general, be held in Geneva with an option to participate by web conference.

5. The CAJ noted that, whilst the prototype would be based on selected crops / species the electronic application system project was intended to be relevant for all crops / species. The CAJ also noted that participation in the prototype did not require members of the Union to have electronic application systems in place (see document CAJ/66/8 "Report on the Conclusions", paragraph 24).

6. The following members of the Union, including the continued participation of the European Union, indicated their interest to be participating members of the Union in the prototype: Australia, Brazil, Canada, Colombia, Dominican Republic, Mexico, New Zealand, Paraguay, Republic of Korea, United States of America and Viet Nam (see document CAJ/66/8 "Report on the Conclusions", paragraph 25).

7. The Technical Committee (TC) at its forty-ninth session held in Geneva from March 18 to 20, 2013, considered document TC/49/13 "Electronic application systems". The TC noted the developments concerning the use of standard references of the UPOV Model Application Form in the application forms of members of the Union and the endorsement by the CAJ of the development of prototype electronic form, as set out in document TC/49/13 (see document TC/49/41 "Report on the Conclusions", paragraph 111).

8. The CAJ at its sixty-seventh session in Geneva on March 21, 2013, considered documents CAJ/67/8 "Electronic application systems" and CAJ/67/13 "Report on developments in the Technical Committee". The CAJ noted the oral report by the Office of the Union of the meeting on the development of a prototype electronic form, held in Geneva on the evening of March 20, 2013. In particular, it was informed that the prototype electronic form would be initially developed for lettuce, potato, rose and apple. It was also informed that it had been agreed, in the first instance, to prepare all questions in the form in English and in the languages of the members of the Union concerned for their own questions (see document CAJ/67/15 "Report", paragraph 66).

9. The CAJ at its sixty-eighth session, held in Geneva on October 21, 2013, considered document CAJ/68/8 "Electronic application systems". The CAJ noted the request of the Delegation of Switzerland to participate in the meetings on the development of a prototype electronic form. The CAJ noted that a report of the meeting on the development of a prototype electronic form to be held in Geneva on October 24, 2013, would be made to the CAJ at its sixty-ninth session, to be held in April 2014 (see document CAJ/68/10 "Report on the Conclusions", paragraphs 35 to 37).

10. At the meeting on the development of a prototype electronic form, held in Geneva on October 24, 2013, it was noted that Argentina, Japan and Switzerland had requested to participate in the development of the prototype. An illustrative "mock-up" of parts of the prototype electronic form was presented at the meeting. It was agreed that a complete "mock-up" should be presented at the meeting on April 9, 2014, which would be the basis to develop a fully working prototype. It was further agreed that the prototype would be developed in English only and the Technical Questionnaire would be for Lettuce (*Lactuca sativa* L.).

11. The TC at its fiftieth session in Geneva from April 7 to 9, 2014, considered document TC/50/9 "Electronic application systems" and noted the developments concerning the development of a prototype electronic form (see document TC/50/36 "Report on the Conclusions", paragraphs 121 and 122).

12. The CAJ at its sixty-ninth session in Geneva on April 10, 2014 considered documents CAJ/69/8 "Electronic application systems" and CAJ/69/11 "Report on developments in the Technical Committee".

13. The CAJ noted the developments concerning the development of a prototype electronic form as set out in document CAJ/69/8 "Electronic application systems" and received a report of the meeting on the prototype electronic form, held in Geneva on April 9, 2014, as reproduced in Annex I to this document. It noted that the following features had been agreed for inclusion in the prototype (see document CAJ/69/12 "Report on the Conclusions", paragraph 49):

- All the features presented in the mock-up,
- An administration interface with a dashboard to edit, submit or delete informations,
- A possibility to import and export XML information.

14. The CAJ noted that the following aspects would not be included in the prototype but would be included in the final version (see document CAJ/69/12 "Report on the Conclusions", paragraph 50):

- Payment authorization,
- Different languages,
- Possibility for participating UPOV members to introduce or modify their questions in the form,
- Technical aspects such as: business support for applicants; routine maintenance provisions; compliance with Web Content Accessibility Guidelines (WCAG); legal aspect and disclaimer.

15. The CAJ noted that the following timetable had been agreed on the development of the prototype (see document CAJ/69/12 "Report on the Conclusions", paragraph 51):

Participating members to send their database structure, XML format or interface tables (requirement for participation in the project) Circular to be sent, requesting input from participants (PVP Offices + Breeders)	by June 15, 2014
Analysis of databases of participating members, design of the database structure and data interface tables	By September 2014
Consolidation of questions (bi/multilateral communication)	By September 2014
Finalization of project brief and request for cost estimate from approved supplier	June 2014
Agreement on the database structure/ import-export option/ interface tables format	October 2014
Start of the project	October 2014
Presentation of the prototype to the CAJ and Council	October 2015

16. The CAJ noted the request of the Delegation of Ecuador to participate in the meetings on the development of a prototype electronic form, and to provide information on its PVP platform project, which would be launched in July 2014 (see document CAJ/69/12 "Report on the Conclusions", paragraph 52).

17. The next meeting on the prototype electronic form, will be held in Geneva on October 14, 2014.

SURVEY OF MEMBERS OF THE UNION ON THEIR USE OF DATABASES AND ELECTRONIC APPLICATION SYSTEMS

18. The CAJ, at its sixty-sixth session, requested the Office of the Union to conduct a survey of members of the Union on their use of databases for plant variety protection purposes and also on their use of electronic application systems (see document CAJ/66/8 "Report on the Conclusions", paragraph 21). The Office of the Union issued a survey on November 25, 2013 (English) and on January 27, 2014 (English, French, German and Spanish).

19. The TC at its fiftieth session, held in Geneva from April 7 to 9, 2014, noted the results of the survey of members of the Union on their use of databases for plant variety protection purposes and also on their use of electronic application systems, as presented in document TC/50/6 "UPOV information databases" and reproduced in Annex II to this document (see document TC/50/36 "Report on the Conclusions", paragraph 100).

20. The CAJ, at its sixty-ninth session, noted the results of the survey of members of the Union on their use of databases for plant variety protection purposes and on their use of electronic application systems (see document CAJ/69/12 "Report on the Conclusions", paragraph 37).

21. *The TWC is invited to note the:*

(a) developments concerning the development of a prototype electronic form as set out in this document; and

(b) results of the survey of members of the Union on their use of databases for plant variety protection purposes and also on their use of electronic application systems, as presented in Annex II to this document.

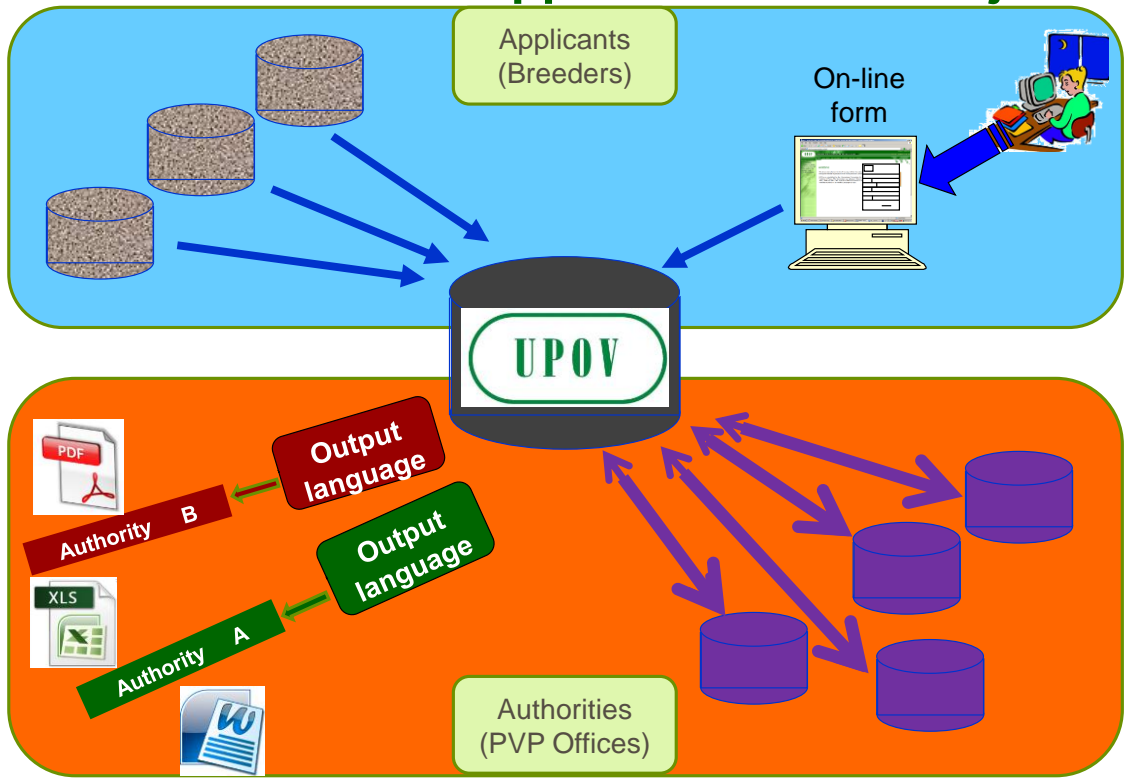
[Annexes follow]

MEETING ON THE DEVELOPMENT OF A PROTOTYPE ELECTRONIC FORM

Report

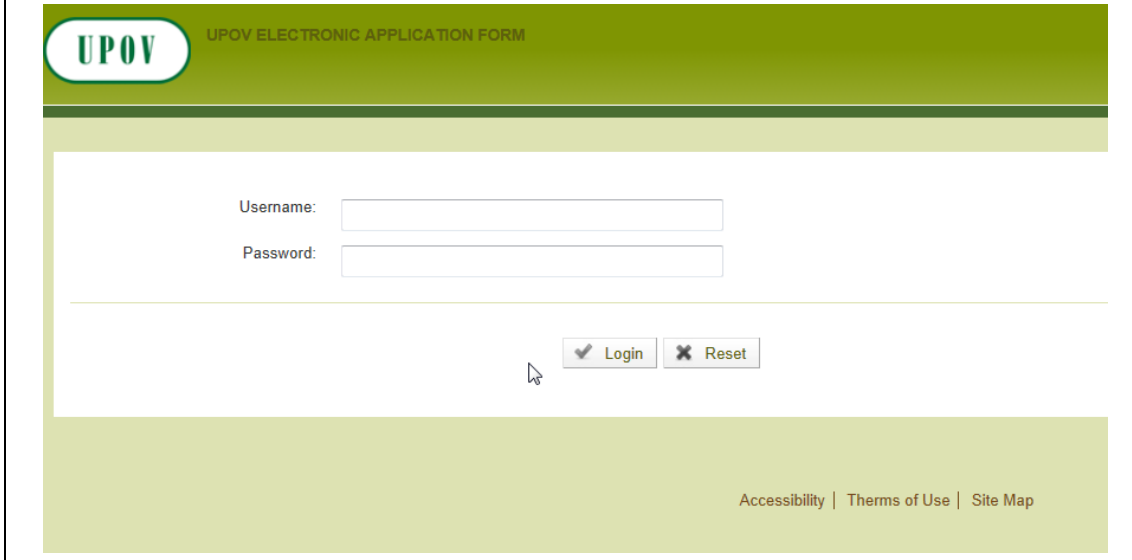
April 9, 2014

UPOV Electronic Application Form Project

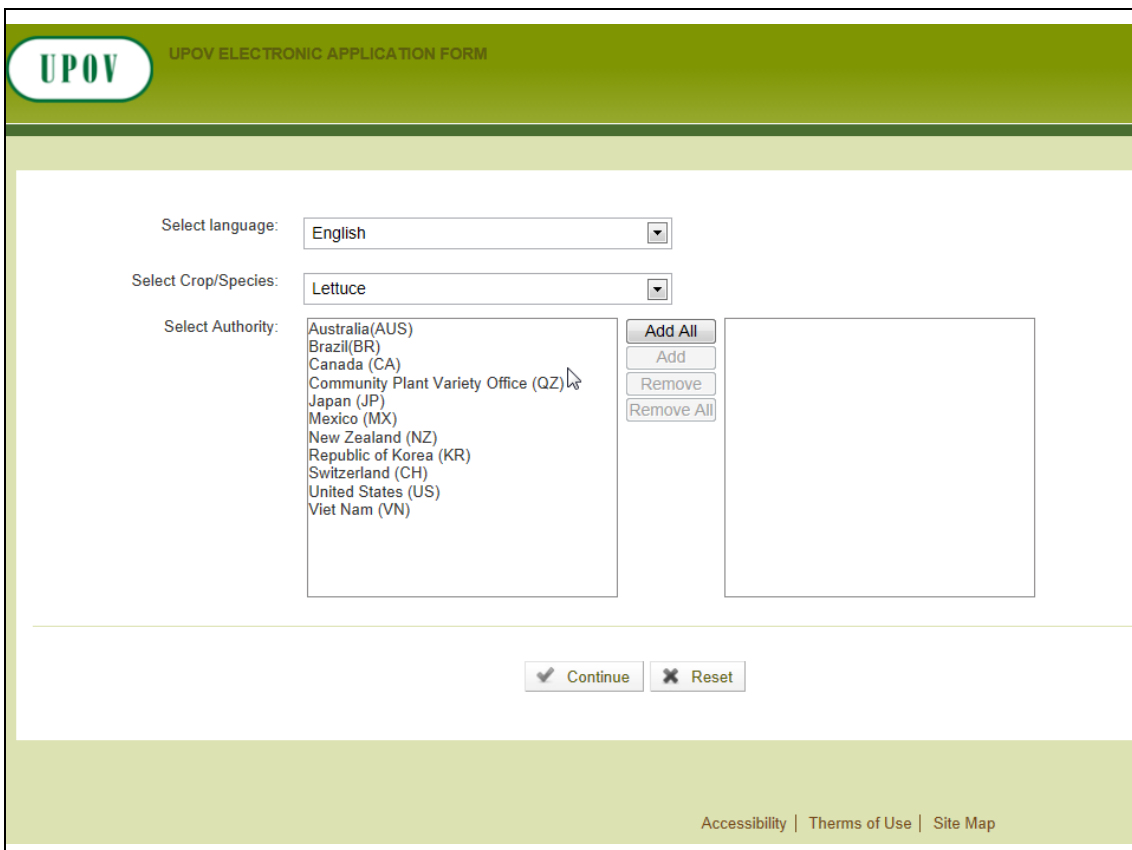


Presentation of the mock-up on line form

<http://upov.appls.org/upov/login.html>



The image shows the login page of the UPOV Electronic Application Form. At the top left is the UPOV logo, and to its right is the text "UPOV ELECTRONIC APPLICATION FORM". Below this is a white login area with two input fields: "Username:" and "Password:". Below the fields are two buttons: "Login" (with a checkmark icon) and "Reset" (with an 'X' icon). At the bottom right of the page, there are links for "Accessibility", "Terms of Use", and "Site Map".



The image shows the selection page of the UPOV Electronic Application Form. At the top left is the UPOV logo, and to its right is the text "UPOV ELECTRONIC APPLICATION FORM". Below this is a white selection area. It contains three dropdown menus: "Select language:" (set to "English"), "Select Crop/Species:" (set to "Lettuce"), and "Select Authority:". The "Select Authority:" dropdown is open, showing a list of countries: Australia (AUS), Brazil (BR), Canada (CA), Community Plant Variety Office (CZ), Japan (JP), Mexico (MX), New Zealand (NZ), Republic of Korea (KR), Switzerland (CH), United States (US), and Viet Nam (VN). To the right of the list are four buttons: "Add All", "Add", "Remove", and "Remove All". Below the selection area are two buttons: "Continue" (with a checkmark icon) and "Reset" (with an 'X' icon). At the bottom right of the page, there are links for "Accessibility", "Terms of Use", and "Site Map".

UPOV ELECTRONIC APPLICATION FORM

My UPOV EAF

User Profile

[Applicant](#)

Application Form

[Procedural Representative](#)

[Correspondence/Legal Representative](#)

[Names](#)

[Denomination](#)

[Breeder](#)

[Other Applications](#)

[Right of Priority](#)

[1978-1991 ACT alternative first commercialization of the variety](#)

[Technical Examination](#)

[Attachments](#)

[Signature + Declaration](#)

[Technical Questionnaire](#)

Applicant

Name(s):
UPOV-A1: 1(a)(i)

Address(es):
UPOV-A1: 1(a)(ii)

Telephone No. (s):
UPOV-A1: 1(a)(iii)

Fax No. (s):
UPOV-A1: 1(a)(iv)

E-mail address(es):
UPOV-A1: 1(a)(v)

Nationality(ies): UPOV-A1: 1(b)

Residence (State):
UPOV-A1: 1(c)

Registered offices for legal entities (State):
UPOV-A1: 1(d)

If there are more than one applicant, please tick square box and attach sheet stating the items above for all the other applicants:

UPOV ELECTRONIC APPLICATION FORM

My UPOV EAF

User Profile

Application Form

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[Correspondence/Legal Representative](#)

[Names](#)

Denomination

[Breeder](#)

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[Right of Priority](#)

[1978-1991 ACT alternative first commercialization of the variety](#)

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[Signature + Declaration](#)

[Technical Questionnaire](#)

Denomination

Proposed denomination (in block letters):
UPOV-A1: 4(a) CORE QUESTIONS

Breeder's reference:
UPOV-A1: 4(b)

Synonym - a synonym is an alternative name for a variety. Please note that once accepted, the synonym along with the name is also protected. A synonym must also conform with section 27 of the PBR Act:

Australia

Commercial synonym / Trade name:
New Zealand + Switzerland

Other names- please list any other names under which the variety has been known in Australia or overseas:
Australia

A denomination may be in the form of a "fancy name" or a "code":
Community Plant Variety Office

Trademark waiver:
Brazil

Trademark:
Switzerland

UPOV ELECTRONIC APPLICATION FORM
admin Logo

My UPOV EAF

User Profile

Application Form

Technical Questionnaire

General

Subject

TQ Applicant

Proposed denomination and breeder's reference

Information on the breeding scheme and propagation of the variety

Characteristics of the variety ✓

Similar varieties and differences from these varieties

Additional information which may help in the classification of the variety

Characteristics of the variety to be indicated

Growth Types: UPOV5.1

(1)Seed: Color: UPOV5.2

(18)Leaf: hue of green color of outer leaves: UPOV5.3

(20)Leaf: anthocyanin coloration: UPOV5.4

(35) Time of beginning of bolting under long day conditions: UPOV5.5

(39.7) Resistance to downy mildew Bremia lactucae)isolate B): UPOV5.5

Plant Type: United States

Seed Color: United States

Seed Light Dormancy: United States

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UPOV ELECTRONIC APPLICATION FORM
admin Logo

My UPOV EAF

User Profile

Application Form

Technical Questionnaire

General

Subject

TQ Applicant

Proposed denomination and breeder's reference

Information on the breeding scheme and propagation of the variety

UPOV ELECTRONIC APPLICATION FORM

UPOV Electronic Application Form

LETTUCE

General Information

1. Language : *English*
2. Crop / Species : Lettuce
3. Authority/ies: Canada (CA)
Community Plant Variety Office (OZ)
New Zealand (NZ)
4. Applicant: Name(s):
Address(es):
Telephone No.(s):
Fax No.(s):
E-mail address(es):
Nationality(ies):
Residence:
Registered offices for legal entities:

8

Next steps

Agreement on the prototype V.1

Included	NOT included in V.1
All features from the mock-up	
Dashboard: edit/ delete/submit options	Payment
Administration interface	Different languages
Import facility : Import of XML files with crop details (technical questionnaire)	Possibility to introduce or modify questions (update of the form)
Export of XML information (PDF, possible others) to selected authorities	Some technical and legal aspects

9

Timetable/ milestones

What/ Who	When
Participants to send their database structure, XML format or interface tables (requirement for participation in the project)	By June15, 2014
Analysis of databases of participating members, design of the database structure and data interface tables	By September 2014
Consolidation of questions (bi/multilateral communication)	By September 2014
Finalization of project brief and request for cost estimate from approved supplier	June 2014
Agreement on the database structure/ import-export option/ interface tables format	October 2014
Start of the project	October 2014
Presentation of the prototype to the CAJ and Council	October 2015

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RESULTS OF THE SURVEY OF MEMBERS OF THE UNION ON THEIR USE OF DATABASES
AND ELECTRONIC APPLICATION SYSTEMS

The results of the survey are presented as follows:

1. List of UPOV members that replied to the survey
2. Summary of responses
3. Additional comments respondent

1. Responses to the survey were received from the following UPOV members:

AZ	Azerbaijan
BE	Belgium
BG	Bulgaria
CA	Canada
CZ	Czech Republic
EU	European Union
GE	Georgia
DE	Germany
HU	Hungary
IL	Israel
JP	Japan
KE	Kenya
LV	Latvia
LT	Lithuania
MA	Morocco
MX	Mexico
NL	Netherlands
NZ	New Zealand
NO	Norway
PL	Poland
PT	Portugal
MD	Republic of Moldova
RO	Romania
RU	Serbia
SE	Sweden
CH	Switzerland
US	United States of America
VN	Viet Nam

5 respondents did not indicate the UPOV member for which they were replying.

2. Summary of responses:

Question	Number			Percentage			
	Yes	No	Not answered	Yes	No	Not answered	
1	UPOV member						
2	Does your authority have its own database for plant variety protection purposes?	28	5	0	85%	15%	0%
3(a)	Does your database include the following information: Applicant (name and details)	28	0	5	85%	0%	15%
3(b)	Applicant's representative (name and details)	28	0	5	85%	0%	15%
3(c)	The person(s)* who bred, or discovered and developed, the variety (if different from applicant) (name and details) * The term "person" in Article 1(iv) of the 1991 Act of the UPOV Convention should be understood as embracing both physical and legal persons (e.g.companies).	25	3	5	76%	9%	15%
3(d)	Title holder (name and details)	22	6	5	67%	18%	15%
3(e)	Botanical name of species	28	0	5	85%	0%	15%
3(f)	Common name of species	27	1	5	82%	3%	15%
3(g)	UPOV code	24	4	5	73%	12%	15%
3(h)	Breeder's reference	24	4	5	73%	12%	15%
3(i)	Denomination proposals	24	4	5	73%	12%	15%
3(j)	Denomination approvals	19	9	5	58%	27%	15%
3(k)	Changes to denominations	23	5	5	70%	15%	15%
3(l)	Application number	27	1	5	82%	3%	15%
3(m)	Unique variety identifier (an identifier that is unique for the variety, e.g. a combination of application type (PBR), application number and crop/species)	18	10	5	55%	30%	15%
3(n)	Application rejections/withdrawals	26	2	5	79%	6%	15%
3(o)	Grant number	26	2	5	79%	6%	15%
3(p)	Start date of protection	28	0	5	85%	0%	15%
3(q)	End date of protection	25	3	5	76%	9%	15%
3(r)	Dates on which the variety was commercialized for the first time in the territory of application and other territories	11	17	5	33%	52%	15%
3(s)	Variety descriptions in the form of states of expression/notes	15	13	5	45%	40%	15%
3(t)	Variety data (other than descriptions in the form of states of expression/notes)	12	16	5	36%	48%	15%
3(u)	Variety DNA-profile	2	26	5	6%	79%	15%
3(v)	Photographs	17	11	28	52%	33%	15%
3(w)	Other (please provide information on any other important PVP information that is contained in your database)	13	15	5	39%	46%	15%
4	Is your database used to generate the official publication?	27	6	0	82%	18%	0%
5	If you do not have a database for plant variety protection purposes, do you have plans to develop a database, or would you wish assistance in the development of such a database?						
6	Do you provide an electronic application form? (if no, please proceed to question 12)	9	24	0	27%	73%	0%

Question	Number			Percentage			
	Yes	No	Not answered	Yes	No	Not answered	
7	Is the information provided in the electronic form sufficient to receive a filing date?	9	24	0	27%	73%	0%
8	Are applicants required to provide supplementary material (e.g. signed paper copies) or information in addition to the information required in the electronic form?	11	22	0	33%	67%	0%
9	Are applicants able to provide an electronic signature or other form of authorization for electronic application?	7	26	0	21%	79%	0%
10	Are applicants able to pay online?	8	25	0	24%	76%	0%
11	In what languages can the electronic form be completed?						
12	If you do not provide an electronic application form, do have plans to develop a database, or would you wish assistance in the development of such a database?						
13	Please indicate other information/features that are included in the authority's electronic application form						

3. Additional comments:

3(a) Does your database include the following information: Applicant (name and details)

CA	database and application form
CH	Applicant registered only if he/she is not the representative or owner of a plant variety, i.e. another representative from the EU area or another country
RO	Name and address. If there are many applicants, for each one: name, address

3(b) Applicant's representative (name and details)

JP	Only corporation
PL	In fact it is the breeder's representative
NZ	We also have a field which specifically identifies the official contact/address for service. This field is automatically filled by the applicants address or if using a representative, the representative address.
CA	Canadian agent required for foreign applicants; database and application form
CH	If owner's residence is not in Switzerland.
RO	Name and address

3(c) The person(s)* who bred, or discovered and developed, the variety (if different from applicant) (name and details) * The term "person" in Article 1(iv) of the 1991 Act of the UPOV Convention should be understood as embracing both physical and legal persons (e.g.companies).

DE	only in applications for plant breeders rights and not in applications for national listings
CA	database and application form
RO	Name and address. If there are many breeders, for each one: name, address

3(d) Title holder (name and details)

PL	The same as (c) - we consider the breeder as title holder
NZ	This is the applicant/owner
NO	Is this the same as maintainer?
DE	we ask whether the variety is protected in an application file for national listing
CA	Same as applicant (name & details); database only
CH	Variety owners who are not from Switzerland are obliged to have a representative in Switzerland
RO	Name and address. If there are many title holders, for each one: name, address

3(e) Botanical name of species

NZ	Varieties are recorded under the genus only or genus and species
CA	database and application form

3(f) Common name of species

CA	database and application form
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3(g) UPOV code

DE	not requested in the application form but stored in the database
CA	database only
CH	Not requested but stored in PVP Office database

3(h) Breeder's reference

US	Also referred to as temporary or experimental name
CA	when applicable; database and application form

3(i) Denomination proposals

DE	only the latest proposal will be stored
CA	database and application form
CH	If already exists

3(j) Denomination approvals

NZ	Denominations are only approved at time of grant. A grant is a denomination approval.
DE	approval date is the date of granting or listing
US	In the U.S. the name that a variety is sold as becomes its permanent name.
CA	database only
CH	Brands or commercial names newly requested

3(k) Changes to denominations

DE	only the latest
CA	database only
CH	Date registered for new denominations, publication dates etc.

3(l) Application number

NZ	We have an alpha numeric application number e.g ROS100 (for rose) POT150 (for potato) and in addition a system number. If granted, the system number becomes the grant number.
CA	database only
CH	Effectuated under breeder's reference if nothing else is mentioned. Not requested on application form

3(m) Unique variety identifier (an identifier that is unique for the variety, e.g. a combination of application type (PBR), application number and crop/species)

IL	The identifier is the application number
NZ	This is the application number. See comments under f
DE	our reference number is the same for granting and listing procedures
CA	Application ID in database only; also, assign a unique PBR Application Number when application is accepted for filing = YY- #### (YY is last 2 digits of year filed and #### is next consecutive number)

3(n) Application rejections/withdrawals

DE	the date of the rejection/withdrawal
US	This is covered within the application status field
CA	database only
CH	Left in database, including reasons, etc.
RO	The varieties were not new

3(o) Grant number

NZ	The system number used during application becomes the grant number at time of grant
US	This is the same as the application number and referred to as the PVP number.
CA	database only

3(p) Start date of protection

NZ	Provisional Protection begins at te date of application. Full protection at the date of grant.
DE	identical with the date of granting
CA	database only

3(q) End date of protection

JP	Is it meaning of one of the following; Expiration scheduled date. The day it was actually canceled.
NZ	The date of expiry, surrender or cancellation.
NO	We are about to change this
CA	database only; all possible end dates including lapsed, revoked, surrendered
RO	After the expiration date of protection At the request of the title holder If the title holder did not pay the maintenance fees

3(r) Dates on which the variety was commercialized for the first time in the territory of application and other territories

PL	We plan to add this information
NZ	Adding this field is currently under consideration
BG	We have this option but usually we don't have this information. The substantive examination is carried out in the Executive Agency for Variety Testing, Approbation and Seed Control.
NO	Not in the base, but in archive
US	The applicant provides this information if they respond affirmative to "Has the variety been sold?". They respond when and where.
CA	database and application form; however, only track other territories in the database

3(s) Variety descriptions in the form of states of expression/notes

CZ	Under reconstruction, we plan to include descriptions in the beginning of the next year
NZ	The format follows the UPOV model for technical examination
NO	Not in the base, but in archive
US	The applicant provides a detailed description of the variety that includes multiple descriptors (30-200) dependent on the species. This is the US PVP Exhibit C form.
CA	database only using words associated with states of expression

3(t) Variety data (other than descriptions in the form of states of expression/notes)

NZ	Dependent on species
BG	Technical questionnaire.
NL	We have pictures of the ornamental varieties in a separate database.
US	The applicant can provide additional data not covered in the US exhibit C form. This is the exhibit D.
CA	summary of comparison to selected reference varieties of distinguishing characteristics only; comparative test and trial description & details; table of measured distinguishing characteristics only; origin and breeding history

3(u) Variety DNA-profile

BG	Information regarding the parent varieties or lines and the selection method. This information is filled in the technical questionnaire.
US	This is not required, but can be included by an applicant.

3(v) Photographs

JP	There is a photo of the following The submission by the applicant's The investigation by the authorities
CZ	Under reconstruction, we plan to include photographs during next year
PL	For the moment - for ornamental and fruit plants
NZ	Not for all genera
BG	If they are filed by the applicant.
NO	Not in the base, but in archive
NL	We have pictures of the ornamental varieties in a separate database.
CA	However, comparative photographs of candidate and reference variety (ies) are kept on a network drive and exported to the web-site to become part of the description; not required at time of filing the application nor saved directly in the PBR database
CH	Indicated if received but not stored in database

3(w) Other (please provide information on any other important PVP information that is contained in your database)

MD	Termination of validity with the right of restitution Termination of validity without right of restitution Publication of restitution Testing period Testing place Date of receipt of examination results Test Guide Group of maturity Direction of use Recommended cultivation area
CZ	Internal information - maintenance fees, invoices
PL	Data (results) from single DUS tests from given trial in each vegetation season, including agrotechnical information
NZ	Documents regarding ownership, authorisation of agent, application correspondence. All matters relating to a variety application and grant are held in the database.
BG	Information concerning the fees, assignment of rights.
NO	A field for comments
NL	submission requirements check on novelty take over of DUS-report for the granting of PBR status of the application
US	is the variety a class of certified seed scientific family name does the variety contain transgenes is the variety or any component of the variety protected by intellectual property rights
CA	when and where application filed in other territories; when and where granted rights in other territories; priority claims; synonym denominations; trade names
EU	Many other information, eg priority, management of the reception of applications, management of unsuitable denominations, organisation of the technical examination, publications, financial information, database of documents linked to the file
	Location, map, number of plants etc.
SE	Date of publications (application and decision for PBR and variety denomination). Priority and in which country. information if DUS-examination is carried out in any country (which country) and if it is finished and where the applicant would like the DUS-examination to take place (country). Appendix as letter of attorney, novelty declaration, assignment, application of denomination (if handed in after application of PBR). Field for comments (date and short not of action)
CH	Power of attorney, transfer of rights or other important information and remarks.

4. Is your database used to generate the official publication?

JP	For National gazette, Registry of Plant Varieties, Notification to the applicant and webpage etc.
VN	The results of database will be public on website: pvpo.mard.gov.vn
NZ	Generated quarterly. 1 Jan, 1 April, 1 July, 1 Oct Journal data is drawn directly from the database under the UPOV model section numbering. There is no printable complete Journal.
BG	The Official Gazette of the Bulgarian Patent Office: http://www1.bpo.bg/index.php?option=com_content&task=view&id=167&Itemid=269
US	Yes - the data is sent to the USDA GRIN system for web publication.
MA	We have Word files relating to applications for the protection of new varieties of plants and protected varieties in Morocco
SE	We use the database to generate lists, which are used to generate the official publication (word document)

PT	We do not have a database
RO	Official Gazette for Plant Variety Protection

5. If you do not have a database for plant variety protection purposes, do you have plans to develop a database, or would you wish assistance in the development of such a database?

	Yes we have plans to develop a database but we need assistance.
MD	You have
BG	Although we have database "Plant and breeds", we are introducing the system "IPAS" and we have an intention to create an elaborate module for this purpose.
	Existing database is in Microsoft Excel. Yes, this tool is to be improved and yes, assistance is desired for development.
MX	We have one in Excel and it is being developed with a database, no assistance required.
MA	We request technical assistance to create and develop a database.
SE	We have a database
AZ	Assistance is needed to develop database for plant variety protection
CH	We are developing and have plans for a new version with an integrated catalogue of varieties. Why not? Advice is always useful.
PT	We do not have a high number of applications so a database is not a priority

6. Do you provide an electronic application form? (if no, please proceed to question 12)

VN	We are developing the electronic application form.
CZ	Partly, the applicant can download necessary application forms and send back them via so called "databox" electronically. Data boxes are maintain by the Czech Ministry of the Interior and can be used only by a person who is a resident in the Czech Republic only
NZ	Introduced in Dec 2012. The contents follow that of the UPOV Model application form and uses the UPOV code system.
NO	writable PDF-form but not directly in the base
NL	Not yet, but this project is in development.
US	The US ePVP system is in development with an anticipated launch of June 2014
AZ	But we plan to use electronic application form
CH	Not yet, but we have a plan, together with specific ideas and indications as to how it will work.

7. Is the information provided in the electronic form sufficient to receive a filing date?

NL	Not yet, but this project is in development.
EU	Although still provisional sometimes if documents with ink signature need to be provided within a given delay
AZ	Currently we don't use electronic application form
HU	We do not have an electronic application form.

8. Are applicants required to provide supplementary material (e.g. signed paper copies) or information in addition to the information required in the electronic form?

CZ	In case of using of databox NO
NZ	All additional documents, technical questionnaire can be submitted electronically as attachments.
NL	Not yet, but this project is in development.
DE	it depends on the applicant and on the species
	Original copies of the representative.
AZ	We do not have an electronic application form.

9. Are applicants able to provide an electronic signature or other form of authorization for electronic application?

CZ	In case of using of databox YES
NZ	There is a registered user login system.
NL	Not yet, but this project is in development.
HU	We do not have an electronic application form.

10. Are applicants able to pay online?

BG	They are able to pay
HU	Not yet, but this project is in development.

11. In what languages can the electronic form be completed?

VN	Vietnamese and English
	In national Language.
MD	Romanian
CZ	Czech and English
NZ	English
BG	We don't have this opportunity.
	Georgian, English
NO	Norwegian or English
NL	Not yet, but this project is in development.
DE	German
US	English
EU	23 EU languages
MX	No electronic form.
	Spanish
LT	In the Lithuanian and English
AZ	Our initially plan is to have electronic form in national language
CH	As before. GE, FR, EN
	English and Hebrew

12. If you do not provide an electronic application form, do have plans to develop a database, or would you wish assistance in the development of such a database?

JP	Pending
	Yes.
MD	yes
IL	Yes
PL	There are such plans. Your assistance would be very much appreciated.
BG	At this stage we don't have such plans and possibilities.
RS	Yes, We do (according to improvement of electronic administration system in Serbia)
NO	No plans today
NL	No
CA	Not at the present time.
MX	Yes, assistance is desired.
LT	Yes, we have plans but it depends on the financing
SE	We have a database but are in need for a new database.
AZ	we need assistance to provide electronic form and develop database

HU	We plan to develop an electronic application form.
CH	We have a plan and specific ideas as to how it should work.
LT	Yes, we have a plan to improve our database.
RU	Yes
KE	We would like assistance in the development of such a database.

13. Please indicate other information/features that are included in the authority's electronic application form

MD	Variety descriptions in the form of states of expression/notes
NZ	The application system is based upon that used for patent, trademark and designs in the Intellectual Property Office of New Zealand. The application form has been adapted for PVR.
NL	Not applicable.
US	Complete descriptive information of the variety with interactive feedback on the completeness of the application submission.
AZ	all relevant information needed
CH	Information on DUS tests, testing stations, test reports etc.

[End of Annex II and of document]