|  |  |  |
| --- | --- | --- |
|  |  | ETWO/48/5**ORIGINAL:**  EnglishDATE: August 7, 2015  |
| INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS  |
| Geneva |

Technical working party for ORNAMENTAL PLANTS AND FOREST TREES

Forty-Eighth Session
Cambridge, United Kingdom, September 14 to 18, 2015

UPOV information databases

*Document prepared by the Office of the Union

Disclaimer: this document does not represent UPOV policies or guidance*

# EXECUTIVE SUMMARY

 The purpose of this document is to provide an update on developments concerning: the GENIE database; UPOV Codes; and the PLUTO database, and to present a proposal concerning the “Denomination Search” page of the PLUTO database.

 The TWO is invited to:

(a) note the information on allocation of crop type(s) for UPOV codes used in the PLUTO database as of June 26, 2014;

(b) note that information on crop type(s) was introduced in the GENIE database and the GENIE database was modified to show the crop type(s) for each UPOV Code;

(c) note that a standard report for TWP allocations for UPOV codes was introduced on the GENIE webpage;

(d) note that allocation of crop type(s) for further UPOV codes will occur when UPOV codes are used in the PLUTO database for the first time;

(e) check the UPOV codes used in the PLUTO database for the first time, since June 26, 2014, which are provided in Annex III, part C to this document (available on the TWV/49 website) and to submit comments to the Office of the Union by October 16, 2015;

(f) check the amendments to UPOV codes, which are provided in Annex III part A, to this document;

(g) check the new UPOV codes or new information added for existing UPOV codes, which are provided in Annex III, part B, to this document;

(h) submit comments on Annex III, parts A “UPOV codes amendments to be checked” and B “New UPOV codes or new information”, to the Office of the Union by October 16, 2015;

 (i) note the summary of contributions to the PLUTO database from 2012 to 2014 and the current situation of members of the Union on data contribution, as presented in Annex II to this document;

(j) note that an additional column in the PLUTO search screen, showing the date on which the information was provided, has been introduced;

(k) note that both the “Denomination” and “Breeder’s Ref” fields have been made searchable, independently or in combination, by denomination search tools on the “Denomination Search” page of the PLUTO database; and

(l) note the information concerning the training course “Contributing data to the PLUTO database”, held in Geneva in December 2014 and the plans to organize three further courses, in English, French and Spanish, from September 7 to 9, 2015, from November 23 to 25, 2015, and from October 5 to 7, 2015, respectively.

 The following abbreviations are used in this document:

 CAJ: Administrative and Legal Committee

 TC: Technical Committee

 TWA: Technical Working Party for Agricultural Crops

 TWC: Technical Working Party on Automation and Computer Programs

 TWF: Technical Working Party for Fruit Crops

 TWO: Technical Working Party for Ornamental Plants and Forest Trees

 TWP(s): Technical Working Party(ies)

 TWV: Technical Working Party for Vegetables

 The structure of this document is as follows:

EXECUTIVE SUMMARY 1

purpose 2

GENIE DATABASE 3

Information on type of crop 3

UPOV CODE SYSTEM 4

Guide to the UPOV Code System 4

UPOV code developments 4

PLUTO DATABASE 5

Provision of assistance to contributors (Program: section 2) 5

Information on the latest date of submission by the contributors (Program: section 2) 6

Search tools 6

Searching for denominations in the item “Breeder’s Ref” on “Denomination Search” page 6

PLUTO Database Training Course 6

ANNEX I COMMENTS RECEIVED ON THE CROP TYPE(S) ALLOCATED BY THE OFFICE OF THE UNION TO THE UPOV CODES CURRENTLY USED IN THE PLUTO DATABASE

ANNEX II REPORT ON DATA CONTRIBUTED TO THE PLANT VARIETY DATABASE BY MEMBERS OF THE UNION AND OTHER CONTRIBUTORS AND ASSISTANCE FOR DATA CONTRIBUTION

# purpose

 The purpose of this document is to provide an update on developments concerning: the GENIE database; UPOV Codes; and the PLUTO database, and to present a proposal concerning the “Denomination Search” page of the PLUTO database.

# GENIE DATABASE

 It is recalled that the GENIE database (<http://www.upov.int/genie/en/>) has been developed to provide, for example, online information on the status of protection (see document C/[session]/6), cooperation in examination (see document C/[session]/5), experience in DUS testing (see document TC/[session]/4), and existence of UPOV Test Guidelines (see document TC/[session]/2) for different GENera and specIEs (hence GENIE), and is used to generate the relevant Council and Technical Committee (TC) documents concerning that information. In addition, the GENIE database is the repository of the UPOV codes and also provides information concerning alternative botanical and common names.

## Information on type of crop

 The background to this matter is provided in document TWO/47/5 “Information Databases”.

 The CAJ, at its seventieth session, held in Geneva, on October 14, 2014, noted the plan to provide information on type of crop for UPOV codes (see document CAJ/70/10 “Report on the Conclusions”, paragraph 35).

 On December 15, 2014, the TC and TWP members and observers were invited to comment, by January 30, 2015, on the crop type(s) allocated by the Office of the Union to the 3,412 UPOV codes used in the PLUTO database at that time (see Circular E-14/312). A copy of the UPOV codes and allocated crop type(s) is provided on the TC/51 website for information. The comments received are presented in Annex I to this document (in language received).

 The TC, at its fifty-first session, held in Geneva, from March 23 to 25, 2015 noted that information on crop type(s) would be introduced in the GENIE database and the GENIE database modified to show the crop type(s) for each UPOV Code by the end of March 2015 (see document TC/51/39 “Report”, paragraph 190). The GENIE database has been modified accordingly.

 The TC, at its fifty-first session, noted that a standard report for TWP allocations for UPOV codes would be introduced on the GENIE webpage by the end of March 2015 (see document TC/51/39, paragraph 191, and CAJ/71/10, paragraph 46). The standard report has been introduced on the GENIE webpage.

 The TC, at its fifty-first session, agreed for the Office of the Union to prepare a table of allocation of crop type(s) for UPOV codes used in the PLUTO database for the first time for checking by the relevant authorities, for each of the TWP sessions in 2015 (see document TC/51/39, paragraph 192, and CAJ/71/10, paragraph 48).

 The Excel file provided as Annex III part C (available on the TWA/44 website only) provides information on allocation of crop type(s) for UPOV codes used in the PLUTO database for the first time, since June 26, 2014, that have not yet been checked by the relevant authorities, as follow:

Part C “Crop type(s) of UPOV codes used in the PLUTO database for the first time”:

contains the new crop type allocation or amended allocation for new and existing UPOV codes. In this spreadsheet, the column headers highlighted in yellow indicate the relevant crop type(s) which are requested to check the correctness of the information.

 The TWO experts are requested to check the information on allocation of crop type(s) for UPOV codes used in the PLUTO database for the first time and to submit comments by October 16, 2015.

 The TWO is invited to:

(a) note the information on allocation of crop type(s) for UPOV codes used in the PLUTO database as of June 26, 2014;

(b) note that information on crop type(s) was introduced in the GENIE database and the GENIE database was modified to show the crop type(s) for each UPOV Code;

(c) note that a standard report for TWP allocations for UPOV codes was introduced on the GENIE webpage;

(d) note that allocation of crop type(s) for further UPOV codes will occur when UPOV codes are used in the PLUTO database for the first time; and

(e) check the UPOV codes used in the PLUTO database for the first time, since June 26, 2014, which are provided in Annex III, part C to this document (available on the TWO/48 website) and to submit comments to the Office of the Union by October 16, 2015.

# UPOV CODE SYSTEM

## Guide to the UPOV Code System

 The “Guide to the UPOV Code System” is available on the UPOV website (see http://www.upov.int/genie/en/pdf/upov\_code\_system.pdf).

## UPOV code developments

 In 2014, 577 new UPOV codes were created and amendments were made to 37 existing UPOV codes. The total number of UPOV codes in the GENIE database at the end of 2014 was 7,808.

|  |  |
| --- | --- |
|  | Year |
|  |  |
|  | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| New UPOV codes | n/a | n/a | 300(approx.) | 148 | 114 | 173 | 212 | 209 | 577 |
| Amendments | n/a | n/a | 30(approx.) | 17 | 6 | 12 | 5 |  47\* | 37 |
| Total UPOV Codes (at end of year) | 5,977 | 6,169 | 6,346 | 6,582 | 6,683 | 6,851 | 7,061 | 7,251 | 7,808 |

\* including changes to UPOV codes resulting from the amendment of the “Guide to the UPOV Code System” concerning hybrids (see document TC/49/6).

 In accordance with the procedure set out in Section 3.3 of the Guide to the UPOV Code System, the Office of the Union will prepare tables of UPOV code additions and amendments, for checking by the relevant authorities, for each of the TWP sessions in 2015 (see <http://www.upov.int/genie/en/pdf/upov_code_system.pdf>).

 The TC, at its fifty-first session agreed that the Office of the Union should prepare tables of UPOV codes additions and amendments, for checking by the relevant authorities, for each of the TWP sessions in 2015 (see documents TC/51/39, paragraph 194 and CAJ/71/10, paragraph 48).

 The Excel files provided as Annex III, part A “UPOV codes amendments to be checked” and part B “New UPOV codes or new information” (available on the TWV/49 website only) to these documents provide information on new UPOV codes added to the GENIE database and UPOV code amendments that have not yet been checked by the relevant authorities, as follows:

Part A, “UPOV codes amendments to be checked”:

for each change, the old entry is highlighted in the row in red and the changes to the entry are found in the line immediately below that highlighted row (they have the same number in the first column). All Technical Working Parties and Authority(ies) are requested to check the amendments whether the amendments follows UPOV code system, reflects authentic botanical names and/or common names (see “Guide to the UPOV Code System” http://www.upov.int/export/sites/upov/genie/en/pdf/upov\_code\_system.pdf ).

Part B “New UPOV codes or new information”:

contains the new UPOV codes or new information added for existing UPOV codes. Highlighting in grey indicates that the UPOV code or name has not been changed. In this spreadsheet, the column headers highlighted in yellow indicate the relevant Technical Working Party (TWP) and Authority(ies) of interest which are requested to check the correctness of the information.

 The TWO experts are requested to check the amendments to UPOV codes and the new UPOV codes or new information added for existing UPOV codes and to submit comments by October 16, 2015.

 The TWO is invited to:

(a) check the amendments to UPOV codes, which are provided in Annex III part A, to this document;

(b) check the new UPOV codes or new information added for existing UPOV codes, which are provided in Annex III, part B, to this document; and

(c) submit comments on Annex III, parts A “UPOV codes amendments to be checked” and B “New UPOV codes or new information”, to the Office of the Union by October 16, 2015.

#

# PLUTO DATABASE

Program for improvements to the PLUTO database (“Program”)

 The CAJ, at its sixty-eighth session, held on October 21, 2013, considered document CAJ/68/6 “UPOV information databases” and approved the amendments to the program for improvements to the PLUTO database (“Program”) as set out in document CAJ/68/6, Annex II, subject to certain further amendments agreed at that session (see document CAJ/68/10 “Report on the Conclusions”, paragraphs 23 to 26).

 The program reflecting amendments approved at previous sessions is available in document TC/50/6 “UPOV Information Databases”, Annex I.

 The following paragraphs provide a summary of developments concerning the Program since the fiftieth session of the TC, held in Geneva, from April 5 to 7, 2014.

### Provision of assistance to contributors (Program: section 2)

 Annex II to this document provides a summary of the contributions to the PLUTO database from 2012 to 2014 and the current situation of members of the Union on data contribution.

 The TC, at its fifty-first session noted the summary of contributions to the PLUTO database from 2012 to 2014 and the current situation of members of the Union on data contribution, as presented in document TC/51/6, Annex II, reproduces in this document, Annex II (see documents TC/51/39, paragraph 195 and CAJ/71/10, paragraph 50).

 The TC, at its fifty-first session noted that the number of submissions to the PLUTO database in Annex II to document TC/51/6 did not include all of the submissions made by the CPVO during transitional arrangements for online uploading of data and noted that the Office would provide a corrected version of Annex II (see documents TC/51/39, paragraph 196 and CAJ/71/10, paragraph 51). Annex II to this document provides a corrected version of the number of submissions to the PLUTO database.

### Information on the latest date of submission by the contributors (Program: section 2)

 The TC, at its forty-ninth session, held in Geneva, from March 18 to 20, 2013, noted that, for the short-term, information on the latest date of submission by the contributors would be provided by the PLUTO database in the form of a pdf document. However, in the longer term, it was planned that the date of submission would be provided for individual data retrieved from the database (see document TC/49/41 “Report on the Conclusions”, paragraph 93).

 In that regard, it is planned to create an additional column in the PLUTO search screen showing the date on which the information was provided.

 The TC, at its fifty-first session noted that an additional column in the PLUTO search screen, showing the date on which the information was provided, would be introduced by the end of March 2015 (see documents TC/51/39, paragraph 197 and CAJ/71/10, paragraph 52). The additional column has been introduced in the PLUTO database.

## Search tools

 Matters concerning the possible development of a similarity search tool for variety denomination purposes are reported under agenda item 6 “Variety Denominations” (see document TWV/49/4 “Variety Denominations”, paragraphs 6 to 14).

### Searching for denominations in the item “Breeder’s Ref” on “Denomination Search” page

 The PLUTO database provides two search pages; “Term Search” and “Denomination Search”. The Term Search page enables searches on any of the data fields in the PLUTO database and any combination of data fields. The Denomination Search page enables searches only in the variety denomination data field and some search tools (e.g. similarity factor) are different from Term Search page. The field “Breeder’s Ref” cannot be searched in the Denomination Search page, although the field might contain information relevant for variety denominations.

 The TC, at its fifty-first session, and the CAJ, at its seventy-first session, agreed to make both the “Denomination” and “Breeder’s Ref” fields searchable, independently or in combination, by denomination search tools on the “Denomination Search” page of the PLUTO database (see documents TC/51/39, paragraph 198 and CAJ/71/10, paragraph 53). The function has been introduced in the PLUTO database.

## PLUTO Database Training Course

 On December 9 to 11, 2014, a training course “Contributing data to the PLUTO database”, was held in Geneva. The aim of the course was to provide assistance to members of the Union that did not provide data for the PLUTO database, or did not provide data on a regular basis, in order to enable them to provide data for the PLUTO database on a regular basis. The course was in the form of practical, hands-on training, provided by the PLUTO administrators. At the end of the course, participants were required to present:

(i) action required by participants to be able to provide data for the PLUTO database;

(ii) action required by PLUTO database administrator;

(iii) date by which participants intend to start to provide data to PLUTO on a regular basis (i.e. shortly after it is published by the authority(ies) concerned)

 The training course was attended by 11 participants from nine members of the Union: Albania; Belarus; China; Georgia; Jordan; Republic of Moldova; Trinidad and Tobago; Uzbekistan; and Viet Nam.

 The dates by which participants intend to start provide data to PLUTO on a regular basis are provided in Annex II to this document.

 Three further courses, in English, French and Spanish, are planned to be held in Geneva, from September 7 to 9, 2015, from November 23 to 25, 2015, and from October 5 to 7, 2015, respectively.

 The TC, at its fifty-first session, and the CAJ, at its seventy-first session, noted the information concerning the training course “Contributing data to the PLUTO database”, held in Geneva in December 2014 and the plans to organize three further courses, in English, French and Spanish, in 2015.

 The TWO is invited to note:

 (a) the summary of contributions to the PLUTO database from 2012 to 2014 and the current situation of members of the Union on data contribution, as presented in Annex II to this document;

 (b) that an additional column in the PLUTO search screen, showing the date on which the information was provided, has been introduced;

 (c) that both the “Denomination” and “Breeder’s Ref” fields have been made searchable, independently or in combination, by denomination search tools on the “Denomination Search” page of the PLUTO database; and

 (d) the information concerning the training course “Contributing data to the PLUTO database”, held in Geneva in December 2014 and the plans to organize three further courses, in English, French and Spanish, from September 7 to 9, 2015, from November 23 to 25, 2015, and from October 5 to 7, 2015, respectively.

[Annexes follow]

COMMENTS RECEIVED ON THE CROP TYPE(S) ALLOCATED BY THE OFFICE OF THE UNION TO THE UPOV CODES USED IN THE PLUTO DATABASE AS OF JUNE 26, 2014

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| UPOV codes | Botanical name | Allocation (original) | Proposed allocation | Proposed allocation  | Explanation on original text |
| TWP alloc. | Ornamental plants (O) | Forest trees (T) | TWP alloc. | Ornamental plants (O) | Forest trees (T) |
| ABIES | Abies Mill. | TWO |  | T | TWO |  | T | Add O | There are also ornamental varieties |
| ABIES | Abies Mill. |  |  |  | TWO | O |  |
| ABIES\_BAL | Abies balsamea (L.) Mill. | TWO |  | T | TWO |  | T | Add O | There are also ornamental varieties |
| ABIES\_BAL | Abies balsamea (L.) Mill. |  |  |  | TWO | O |  |
| ABIES\_KOR | Abies koreana E. H. Wilson | TWO |  | T | TWO |  | T | Add O | There are also ornamental varieties |
| ABIES\_KOR | Abies koreana E. H. Wilson |  |  |  | TWO | O |  |
| ALLIU\_PRO | Allium fistulosum × Allium cepa | TWO | O |  | TWO | O |  | add TWV | Se sugiere que Allium fistulosum x Allium cepa, además de ser considerado en TWO, también sea considerado en el TWV, debido a que su mayor explotación en México es como un vegetal. |
| ALLIU\_PRO | Allium fistulosum × Allium cepa | TWV |  |  | TWV |  |  |
| BETUL\_PEN | Betula pendula Roth | TWO | O |  | TWO | O |  | Add T | common forest tree in Poland |
| BETUL\_PEN | Betula pendula Roth |  |  |  | TWO |  | T |
| BRASS\_NAP | Brassica napus L. | TWV |  |  | TWA |  |  | Delete TWV and add TWA | Brasica Napus L. es un cultivo anual, cuya semilla es usada principalmente como semilla oleginosa y para forraje por tal motivo, se recomienda que sea analizada en el TWA. |
| BRASS\_NIG | Sinapis nigra L. | TWV |  |  | TWV |  |  | Add TWA | to be also considered as agricultural plant |
| BRASS\_NIG | Sinapis nigra L. |  |  |  | TWA |  |  |
| CARPI\_BET | Carpinus betulus L. | TWO | O |  | TWO | O |  | Add T | common forest tree in Poland |
| CARPI\_BET | Carpinus betulus L. |  |  |  | TWO |  | T |
| UPOV codes | Botanical name | Allocation (original) | Proposed allocation | Proposed allocation  | Explanation on original text |
| TWP alloc. | Ornamental plants (O) | Forest trees (T) | TWP alloc. | Ornamental plants (O) | Forest trees (T) |
| CICER\_ARI | Cicer arietinum L. | TWV |  |  | TWV |  |  | add TWA | Debido a que Cicer arietinum L. es un cultivo anual que pertenece a la familia de las leguminosas, cuyo fruto constituye un recurso alimenticio, el cual no solo se consume como legumbre (semilla inmadura) sino tambien como semilla madura. Se recomienda que Cicer arietinum sea considerado en el TWV y TWA. |
| CICER\_ARI | Cicer arietinum L. |  |  |  | TWA |  |  |
| CUCUM\_MEL | Cucumis melo L. | TWF |  |  | TWV |  |  | Remove TWF and add TWV | Se sugiere el cambio de Cucumis melo L. por pertenecer a la familia cucurbitaceae. |
| CUCUM\_MEL | Cucumis melo L. | TWF |  |  | TWV |  |  | Delete TWF and add TWV | In Poland it belongs to vegetables, is also discussed on UPOV TWV and CPVO VEM |
| CUCUM\_MEL | Melo sativus Sarg. | TWF |  |  | TWV |  |  |
| CUCUM\_MEL\_MEL | Cucumis melo L. subsp. melo | TWF |  |  | TWV |  |  | Delete TWF and add TWV | In Poland it belongs to vegetables, is also discussed on UPOV TWV and CPVO VEM |
| ECNCE\_PUR | Echinacea purpurea (L.) Moench | TWO | O |  | TWO | O |  | add TWA | it is also medicinal plant |
| ECNCE\_PUR | Echinacea purpurea (L.) Moench |  |  |  | TWA |  |  |
| FAGUS\_SYL | Fagus sylvatica L. | TWO | O |  | TWO | O |  | add T | common forest tree in Poland |
| FAGUS\_SYL | Fagus sylvatica L. |  |  |  | TWO |  | T |
| FRAXI\_EXC | Fraxinus excelsior L. | TWO | O |  | TWO | O |  | add T | common forest tree in Poland |
| FRAXI\_EXC | Fraxinus excelsior L. |  |  |  | TWO |  | T |
| IPOMO\_BAT | Ipomoea batatas (L.) Lam. | TWA |  |  | TWV |  |  | TWV | considered a vegetable |
| IPOMO\_BAT | Ipomoea batatas (L.) Poir. | TWA |  |  | TWV |  |  |
| UPOV codes | Botanical name | Allocation (original) | Proposed allocation | Proposed allocation  | Explanation on original text |
| TWP alloc. | Ornamental plants (O) | Forest trees (T) | TWP alloc. | Ornamental plants (O) | Forest trees (T) |
| JATRO\_CUR | Jatropha curcas L. | TWO | O |  | TWF |  |  | Delete TWO and add TWF | Se sugiere que Jatropha Curcas. sea revisado en el TWF, debido a que su producción es principalmente para la obtención de su fruto, el cual tiene un alto potencial para la producción de biodisel. |
| NEOTY | Neotyphodium | TWV |  |  | TWA |  |  | TWA | Endophytes for pasture plants |
| NEOTY\_ACR | Neotyphodium acremonium | TWV |  |  | TWA |  |  | TWA | Endophytes for pasture plants |
| NEOTY\_ACR | Acremonium | TWV |  |  | TWA |  |  |
| NEOTY\_COE | Neotyphodium coenophialum | TWV |  |  | TWA |  |  | TWA | Endophytes for pasture plants |
| NEOTY\_LOL | Neotyphodium lolii | TWV |  |  | TWA |  |  | TWA | Endophytes for pasture plants |
| NEOTY\_UNC | Neotyphodium uncinatum (W. Gams, Petrini & D. Schmidt) Glenn, C.W. Bacon & Hanlin | TWV |  |  | TWA |  |  | TWA | Endophytes for pasture plants |
| PHASE\_VUL | Phaseolus vulgaris L. | TWV |  |  | TWV |  |  | add TWA | Debido a que el frijol es un cultivo anual que pertenece a la familia de las leguminosas y a que produce una vaina comestible que puede ser consumida como legumbre (ejote) y a que tambien sus semillas secas son consumidas, se recomienda que a Phaseolus vulgaris se le asigne al TWV y TWA. |
| PHASE\_VUL | Phaseolus vulgaris L. |  |  |  | TWA |  |  |
| PICEA\_ABI | Picea abies (L.) H. Karst. | TWO |  | T | TWO |  | T | add O | There are also ornamental varieties |
| PICEA\_ABI | Picea abies (L.) H. Karst. |  |  |  | TWO | O |  |
| PICEA\_GLA | Picea glauca (Moench) Voss | TWO |  | T | TWO |  | T | add O | There are also ornamental varieties |
| PICEA\_GLA | Picea glauca (Moench) Voss |  |  |  | TWO | O |  |
| UPOV codes | Botanical name | Allocation (original) | Proposed allocation | Proposed allocation  | Explanation on original text |
| TWP alloc. | Ornamental plants (O) | Forest trees (T) | TWP alloc. | Ornamental plants (O) | Forest trees (T) |
| PICEA\_OMO | Picea omorika (Pancic) Purk. | TWO |  | T | TWO |  | T | add O | There are also ornamental varieties |
| PICEA\_OMO | Picea omorika (Pancic) Purk. |  |  |  | TWO | O |  |
| PICEA\_PUN | Picea pungens Engelm. | TWO |  | T | TWO |  | T | add O | There are also ornamental varieties |
| PICEA\_PUN | Picea pungens Engelm. |  |  |  | TWO | O |  |
| PSIDI\_GUA | Psidium guajava L. | TWO |  | T | TWF |  |  | Delete TWO and add TWF | Las plantaciones de Psidium guajava L. son destinadas principalmente para la producción de su fruto, el cual es cosumido como fruta fresca y ampliamente destinado a la industria alimentaria. Por tal motivo sugerimos que esta especie sea analizada en el TWF. |
| PSIDI\_GUA | Psidium guajava L. | TWO | O |  |  |  |  |
| PYRUS\_LEC | Pyrus ×lecontei Rehder | TWO |  | T | TWF |  |  | TWF | There are fruit varieties |
| PYRUS\_LEC | Pyrus communis x P. pyrifolia | TWO |  | T | TWF |  |  |
| PYRUS\_USS | Pyrus ussuriensis Maxim. | TWO |  | T | TWF |  |  | TWF | There are fruit varieties. Chinese pears |
| RAPBR | Raphanus x Brassica | TWV |  |  | TWV |  |  | also TWA | also TWA. Forage varieties |
| RAPBR | Raphanus x Brassica |  |  |  | TWA |  |  |
| RAPBR\_SRA | Raphanus sativus x Brassica rapa | TWV |  |  | TWV |  |  | also TWA | also TWA. Forage varieties |
| RAPBR\_SRA | Raphanus sativus x Brassica rapa |  |  |  | TWA |  |  |
| RICIN\_COM | Ricinus communis L. | TWO |  |  | TWA |  |  | Delete TWO and add TWA | Se sugiere que Ricinus communis L. sea revisado en el TWA, debido a que es una oleginosa cuyo uso potencial es la producción de biodisel y no como planta ornamental. |
| ROSMA | Rosmarinus L. | TWV |  |  | TWV |  |  | also TWO | Variegated varieties as Ornamentals |
| ROSMA | Rosmarinus L. |  |  |  | TWO | O |  |
| SALVI\_OFF | Salvia officinalis L. | TWO | O |  | TWO | O |  | add TWA | it is also common medicinal plant |
| SALVI\_OFF | Salvia officinalis L. |  |  |  | TWA |  |  |
| UPOV codes | Botanical name | Allocation (original) | Proposed allocation | Proposed allocation (if different) | Explanation on original text |
| TWP alloc. | Ornamental plants (O) | Forest trees (T) | TWP alloc. | Ornamental plants (O) | Forest trees (T) |
| SECHI\_EDU | Sechium edule (Jacq.) Sw. | TWA |  |  | TWV |  |   | Delete TWA and TWF, and add TWV |  El cambio se sugiere por que Sechium edule (Jacq) Sw pertenece a la familia cucurbitaceae., y su uso es generalmente como hortaliza. |
| SECHI\_EDU | Sechium edule (Jacq.) Sw. | TWF |  |  |  |  |   |
| TRFOL | Trifolium L. | TWV |  |  | TWV |  |   | also TWO | Ornamental clover varieties exist |
| TRFOL | Trifolium L. |  |  |  | TWO | O |   |
| VICIA\_FAB | Vicia faba L. | TWV |  |  | TWV |  |   | add TWA | Al igual que el Phaseolus Vulgaris L., Vicia faba L., es un cultivo anual que pertenece a la familia de las leguminosas y sus semillas inmaduras se consumen como legumbre y las maduras como grano, por tal motivo se recomienda que se le asigne a TWV y TWA.  |
| VICIA\_FAB | Vicia faba L. |  |  |  | TWA |  |   |
| VICIA\_FAB\_MAJ | Vicia faba L. var. major Harz | TWA |  |  | TWA |  |   | add TWV | belongs to vegetables, for var. major and var.minor the same guidelines are used |
| VICIA\_FAB\_MAJ | Vicia faba L. var. major Harz |  |  |  | TWV |  |   |
| VICIA\_FAB\_MIN | Vicia faba L. var. minor Harz | TWA |  |  | TWA |  |   | add TWV | belongs to vegetables, for var. major and var.minor the same guidelines are used |
| VICIA\_FAB\_MIN | Vicia faba L. var. minor Harz |  |  |  | TWV |  |   |

[Annex II follows]

REPORT ON DATA CONTRIBUTED TO THE PLANT VARIETY DATABASE BY MEMBERS OF THE UNION AND OTHER CONTRIBUTORS AND ASSISTANCE FOR DATA CONTRIBUTION

|  | Contributor | Number of applications for Plant Breeders’ Rights in 2013  | Number of new data submissions to the Plant Variety Database in 20110F0F[[1]](#footnote-2) | Number of new data submissions to the Plant Variety Database in 20121F1F[[2]](#footnote-3) | Number of new data submissions to the Plant Variety Database in 2013 | Number of new data submissions to the Plant Variety Database in 2014 | Current situation |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Albania | 44 (2012) | 0 | 0 | 0 | 0 | Participated in the PLUTO Database Training Course and plan to submit data at the end of each year or on the first month of the next year. |
|  | Argentina | 267 (2011) | 0 | 0 | 1 | 0 | Staff who provided data left; waiting for new staff to be trained  |
|  | Australia | 330 | 6 | 5 | 6 | 3 | [Contributing data]  |
|  | 2F2F[[3]](#footnote-4)\*Austria | 2 (2011) | 4 | 4 | 4 | 3 |  |
|  | Azerbaijan | 30 | 0 | 0 | 0 | 0 | Awaiting reply to e-mail of 14/05/2014 requesting data |
|  | Belarus | 57 | 0 | 1 | 0 | 0 | Participated in the training course and plan to submit data every March. |
|  | \*Belgium | 0 | 3 | 4 | 4 | 4 |  |
|  | Bolivia | 11 | 0 | 0 | 0 | 0 | Awaiting response to the request for data during the meeting on 21/10/2014 |
|  | Brazil | 326 | 2 | 5 | 5 | 4 | [Contributing data] |
|  | \*Bulgaria | 34 | 5 | 6 | 6 | 5 |  |
|  | Canada | 322 | 5 | 6 | 5 | 5 | [Contributing data] |
|  | Chile | 69 | 3 | 3 | 3 | 1 | [Contributing data] |
|  | China | 1,510 | 0 | 1 |  0 | 1 | [Contributing data] A participant from the Ministry of Agriculture (MOA) attended the training course. The MOA plans to submit a major part of existing data by March 2015 and complete data by the end of 2015. After that, it is planned to submit data 2 months after Gazette publication. |
|  | Colombia | 93 | 0 | 0 | 0 | 0 | Awaiting response to the request for data during the meeting on 21/02/2014. Contacted during meetings with example of data. |
|  | Costa Rica | 8 | 0 | (1) |  0 | 2 | [Contributing data]  |
|  | \*Croatia | 2 | 1 | 1 | 0 | 0 |  |
|  | \*Czech Republic | 96 | 6 | 4 | 6 | 4 |  |
|  | \*Denmark | 3 | 6 | 6 | 6 | 8 |  |
|  | Dominican Republic | 0 (2011) | 0 | 0 | 0 | 0 | Awaiting reply to e-mail of 21/10/2014 requesting data |
|  | Ecuador | 21 | 2 | 3 | 2 | 1 | [Contributing data] |
|  | \*Estonia | 15 | 4 | 5 | 4 | 4 |  |
|  | \*European Union | 3,296 | 6 | 6 | 6 | 6 |  |
|  | \*Finland | 11 | 4 | 3 | 3 | 2 |  |
|  | \*France | 107 | 6 | 6 | 5 | 6 |  |
|  | Georgia | 36 | 0 | 0 | 2 | 1 | [Contributing data] |
|  | \*Germany | 104 | 6 | 6 | 6 | 8 |  |
|  | \*Hungary | 27 | 5 | 6 | 6 | 6 |  |
|  | \*Iceland | 0(2012) | 1 | 0 | 0 | 0 |  |
|  | \*Ireland | 2 | 4 | 2 | 2 | 2 |  |
|  | Israel | 46 | 1 | 0 |  0 | 2 | [Contributing data] |
|  | \*Italy | 2 | 6 | 6 | 6 | 4 |  |
|  | Japan | 1,054 | 2 | 1 | 2 | 5 | [Contributing data] |
|  | Jordan | 4 | 0 | (1) |  0 | 0 | Participated in the training course and plan to submit data in March 2015. |
|  | Kenya | 95 | 0 | 0 | 1 | 2 | [Contributing data] |
|  | Kyrgyzstan | 2 | 0 | 1 | 0 | 1 | [Contributing data] |
|  | \*Latvia | 5 | 3 | 2 | 1 | 3 |  |
|  | \*Lithuania | 12 | 3 | 2 | 3 | 2 |  |
|  | Mexico | 173 | 0 | 1 | 1 | 1 | [Contributing data]  |
|  | Morocco | 56 | 0 | 1 |  1 | 0 | [Contributing data]Awaiting reply to email of 08/08/2014 requesting new data |
|  | \*Netherlands | 747 | 5 | 6 | 6 | 2 |  |
|  | New Zealand | 154 | 6 | 5 | 3 | 5 | [Contributing data] |
|  | Nicaragua | 15 | 0 | 0 | 0 | 0 | Awaiting reply to e-mail of 21/10/2014 requesting data |
|  | \*Norway | 30 | 5 | 3 | 3 | 1 |  |
|  | Oman | 0 (2009) | 0 | 0 | 0 | 0 | Awaiting reply to e-mail of 21/10/2014 requesting data |
|  | Panama | 2 | 0 | 0 | 0 | 0 | Awaiting reply to e-mail of 21/10/2014 requesting data |
|  | Paraguay | 34 | 0 | 0 | 0 | 0 | Awaiting reply to e-mail of 21/10/2014 requesting data |
|  | Peru | 137 | 0 | 1 | 0 | 2 | [Contributing data] |
|  | \*Poland | 88 | 4 | 6 | 5 | 5 |  |
|  | \*Portugal | 1 | 1 | 1 | 1 | 2 |  |
|  | Republic of Korea | 599 | 5 | 1 | 2 | 1 | [Contributing data] |
|  | Republic of Moldova | 43 | 1 | 1 | 0 | 2 | [Contributing data]Participated in the training course and plan to submit data on March 1, 2015. |
|  | \*Romania | 40 | 6 | 4 | 3 | 4 |  |
|  | Russian Federation | 555 | 5 | 5 | 4 | 2 | [Contributing data] |
|  | Serbia | 45 | - | - | 3 | 2 | [Contributing data] |
|  | Singapore | 0(2012) | 0 | 0 | 0 | 0 | [No applications]Email received 17/10/2013 stating no applications.  |
|  | \*Slovakia | 18 | 4 | 5 | 6 | 4 |  |
|  | \*Slovenia | 3 | 5 | 4 | 3 | 5 |  |
|  | South Africa | 309 | 0 | 2 | 2 | 0 | [Contributing data] |
|  | \*Spain | 74 | 6 | 6 | 4 | 5 |  |
|  | \*Sweden | 4 | 5 | 4 | 5 | 7 |  |
|  | \*Switzerland | 77 | 4 | 5 | 6 | 6 |  |
|  | The former Yugoslav Republic of Macedonia | - | 0 | 0 | 0 | 0 | Awaiting reply to e-mail of 21/10/2014 requesting data |
|  | Trinidad and Tobago | 0 | 0 | 0 | 0 | 0 | Participated in the training course and plan to submit some data by the third week of January 2015, as a beginning. |
|  | Tunisia | 32(2012) | 0 | 0 |  0 | 0 | Awaiting reply to e-mail of 23/07/2014 requesting data |
|  | \*Turkey | 215 | 3 | 2 | 1 | 1 |  |
|  | Ukraine | 1,544 | 0 | 0 | 0 | 0 | Awaiting reply to e-mail of 21/10/2014 requesting data |
|  | \*United Kingdom | 37 | 6 | 6 | 6 | 10 |  |
|  | United States of America | 1,889 | 4 | 5 | 6 | 10 | [Contributing data] |
|  | Uruguay | 54 | 0 | 1 | 0 | 1 | [Contributing data] |
|  | Uzbekistan | 21 | (1) | 0 | 0 | 0 | Participated in the training course and plan to submit data in 2015 |
|  | Viet Nam | 92 | (1) | 0 |  0 | 0 | Participated in the training course and plan to submit data in 2015 |
|  | OECD | - | 2 | 1 | 1 | 1 | [Contributing data] |

[End of Annex II and of document]

1. ‘6’ indicates that new data was submitted for all six (6) new versions of the UPOV-ROM issued in 2011. [↑](#footnote-ref-2)
2. ‘3’ indicates that new data was submitted for all three (3) new versions of the UPOV-ROM issued in 2012.

( ) Parenthesis indicates that data are currently being processed. [↑](#footnote-ref-3)
3. \* Data provided via the CPVO. [↑](#footnote-ref-4)