

**Technical Working Party for Fruit Crops****TWF/51/8****Fifty-first Session  
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**PLAVARLIS PROJECT - UPOV CODES***Document prepared by the Office of the Union**Disclaimer: this document does not represent UPOV policies or guidance*

The annex to this document contains a copy of a presentation “Possible developments to enable UPOV codes to provide useful information on variety groups or types for DUS testing purposes”, prepared by an expert from the European Union, to be considered by the fifty-first session of the Technical Working Party for Fruit Crops (TWF).

[Annex follows]



## Possible developments to enable UPOV Codes to provide useful information on variety groups or types for DUS testing purposes

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## Possible development of the UPOV code

The UPOV Code is composed of 1 to 3 elements

- Genus name with an alphabetical element of 5 letters
- Second part identifying the species name with an alphabetical element of 3 letters
- Third part sub-specific unit

| CODE UPOV     | NOMS BOTANIQUES   | ANGLAIS  |
|---------------|---|--|
| PRUNU_DOM     | <i>Prunus domestica</i> L.<br><i>Prunus</i> L. subg. <i>Prunus</i> ; <i>Prunus</i> subg. <i>Prunus</i>  | Plum   |
| PRUNU_DOM_DOM | <i>Prunus domestica</i> L. subsp. <i>domestica</i>  | European plum; Gage; Garden plum; Plum; Prune plum |
| PRUNU_DOM_INS | <i>Prunus domestica</i> L. subsp. <i>insititia</i> (L.) C. K. Schneid.<br><i>Prunus domestica</i> L. x <i>P. insititia</i> L.; <i>Prunus insititia</i> L. | Bullace; Damson; Mirabelle                         |



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## Possible development of the UPOV code

- Allows the assessment of new variety denominations
- UPOV Codes : [link to the UPOV class](#)
  - The general rule applies in the fruit sector: one Genus, one class



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## Possible development of the UPOV code

- Ease the data exchange
- Harmonise information with the **UPOV principal botanical names in databases** :
  1. PLUTO
  2. CPVO Variety Finder
  3. National databases
- Address the situation of synonyms in botany in UPOV GENIE database
- Allows managing reference collection, used for variety testing
- Allows accurate searches and results



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## Possible development of the UPOV code

GENUS\_SPE\_ZZ1



further element of up to three characters (e.g. ZZ1) indicating a sub-specific unit ("sub-species element") (*Guide to the UPOV Code system*)

- Currently addresses the situation of 'subspecies', 'var' or 'convar' in botany
- ⇒ Could be used for the purpose to provide useful information on variety groups or types for DUS testing purposes



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## Possible development of the UPOV code

- A few considerations
    - ⇒ Could indicate whether the variety is a mutant
- MALUS\_DOM\_MUT**
- ⇒ Could indicate the group to which the mutant belongs
- MALUS\_DOM\_MGA** ⇒ Gala mutant  
**MALUS\_DOM\_MFU** ⇒ Fuji mutant  
**MALUS\_DOM\_MCR** ⇒ Cripps Pink mutant



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## Possible development of the UPOV code

- A few considerations

Further ideas

- ⇒ Could identify peach/nectarins
- ⇒ Could be used in strawberry to indicate type; short day, day neutral etc...
- ⇒ Could also be applied to Rubus. Double or single croppers.
- ⇒ Prunus hybrids could indicate some elements of morphology, E.g Japanese plums close to most plumcots



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## Possible development of the UPOV code

- A few considerations

- ⇒ If this system is in place, what would be the meaning of the UPOV code with the grouping element missing ?
  - information about grouping not available? (eg old variety)
  - A variety could belong to two groups?

If this system is put in place, UPOV Member States should be in a position to contribute with this information to PLUTO



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Thank you for your attention

[End of Annex and of document]