

International Union for the Protection of New Varieties of Plants

Technical Working Party for Ornamental Plants and Forest Trees TWO/52/9

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### **PLAVARLIS PROJECT - UPOV CODES**

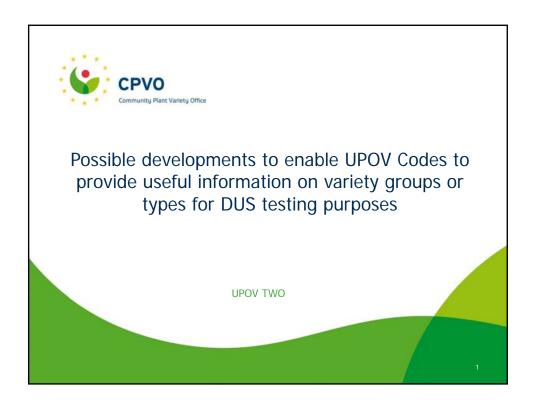
Document prepared by the Office of the Union

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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-second session of the Technical Working Party for Ornamental Plants and Forest Trees (TWO).

[Annex follows]

### **ANNEX**



## **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
EUPHO_MIL	Euphorbia milii Des Moul.	Christ's Thorn; Crown of Thorns
	Euphorbia milii Desmoulins;	
	Euphorbia-Milii-Hybridae	
UPOV CODE	BOTANICAL NAMES	ENGLISH
CHRYS_ZAW_CLA	Chrysanthemum zawadskii	
	Herbich subsp. coreanum	
	(Nakai) Y. N. Lee X	
	Chrysanthemum zawadskii	
	Herbich subsp. latilobum	
	(Maxim.) Kitag.	

## **UPOV** code

- Allows the assessment of new variety denominations
- UPOV Codes : link to the UPOV class
  - > Solanum tuberosum L. (SOLAN\_TUB)
  - Solanum melongena L. (SOLAN\_MEL)
  - Solanum lycopersicum L. (SOLAN\_LYC + tomato rootstocks)
  - Ornamental Solanum species belong to a different UPOV class



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# **UPOV** code

- Ease the data exchange
- Harmonise information with the UPOV principal botanical names in databases:
  - 1. PLUTO
  - 2. CPVO Variety Finder
  - 3. EU DG sante database
  - 4. 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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Examination offices in the EU network sometimes entrusted for groups of varieties within a species

### **Examples:**

Rosa L., cut flowers
Rosa L., garden
Rosa L., pot plants
Rosa L., rootstocks

UPOV code = ROSA

⇒ Would be useful to identify the type of variety in databases for the purpose to manage variety collections



# **UPOV** Code

GENUS\_SPE\_ZZ1

further element of up to three characters (e.g. ZZ1) indicating a subspecific 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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### **UPOV** Code

- A few considerations
  - ⇒ Should this grouping be limited to qualitative characteristics?

HORDE\_VUL\_TWO
HORDE\_VUL\_SIX

Should there be only one level of grouping for a given species?

HORDE\_VUL\_TWW
HORDE\_VUL\_TWS

TW = two row, W/S = Winter / Spring



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# **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?

### HORDE\_VUL

- > information about grouping not available? (eg old variety)
- ➤ A variety could belong to two groups? (eg Winter / Spring, depending on countries)



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# UPOV Code A few considerations Various purposes of the UPOV code to be kept in mind Analysis of denominations, UPOV classes Use of the UPOV code by other relevant organisations use of UPOV code in other databases relevant for UPOV members Depending on the situation, information on variety grouping could be provided by other tools

