

Technical Working Party for Ornamental Plants and Forest Trees TWO/55/9**Fifty-Fifth Session
Virtual meeting, June 12 to 16, 2023****Original:** English
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UPOV INFORMATION DATABASES: ISSUES LINKED TO UPOV CODES AND THE UPDATE OF THE BOTANICAL NOMENCLATURE*Document prepared by an expert from the European Union**Disclaimer: this document does not represent UPOV policies or guidance*

The annex to this document contains a copy of a presentation “UPOV Information databases: Issues linked to UPOV codes and the update of the botanical nomenclature”, to be made by an expert from the European Union, at the fifty-fifth session of the Technical Working Party for Ornamental Plants and Forest Trees (TWO).

[Annex follows]



UPOV Information databases Issues linked to UPOV codes and the update of the botanical nomenclature

TWO, virtual meeting, June 12 to 16, 2023



UPOV Codes, botanical nomenclature

- According to the UPOV Code system, UPOV/INF/23/1

1. PURPOSE

1.1 The main purpose of the UPOV Code System is to enhance the usefulness of the UPOV Plant Variety Database (PLUTO Database) by overcoming the problem of synonyms for plant taxa. That is achieved by attributing each taxa a code according to the UPOV Code System ("UPOV code"); synonyms for the same plant taxa are attributed the same UPOV code.

- Challenge in following developments in botany and updates in GRIN

UPOV Codes, botanical nomenclature



- Example, Neillia D. Don 'Bokrabruijn' in PLUTO

UPOV PLUTO [UPGRADE TO PREMIUM](#) Welcome Jean maison English ? Logout

6 items selected applications in Choose with denomination that Exact Match with bokrabruijn Refresh

Save Search Criteria Upload existing search criteria Print Results

Total Records :: 2 5 columns selected Save Display

UPOV Code ↑↓	Authority ↑↓	Type ↑↓	Latest Denomination ↑↓	Botanical Name ↑↓
STEPH	European Union	PBR	Bokrabruijn	Stephanandra Sieb. et Zucc.
NEILL	Netherlands	PBR	Bokrabruijn	Neillia D. Don

⇒ Same variety under different species name in PLUTO

UPOV Codes, botanical nomenclature



- Example, Neillia D. Don 'Bokrabruijn' in GENIE

Neillia D. Don (NEILL)



Stephanandra Sieb. et Zucc. (STEPH)



Names & Denomination Class

Names & Denomination Class Protection DUS Guidance

UPOV Principal Botanical Name: Neillia D. Don

Other Botanical Names:

Names & Denomination Class

Names & Denomination Class Protection DUS Guidance and Cooper

UPOV Principal Botanical Name: Stephanandra Sieb. et Zucc.

Other Botanical Names:

⇒ No link between both names



UPOV Codes, botanical nomenclature

- Example, Neillia D. Don 'Bokrabruijn' in CPVO Internal database

Application: 1995 0205 Status: Granted
 Application date: 14/06/1995 ☐ Register publication on Web forbidden Detailed:
 Species: STE01 Neillia D. Don (syn. Stephanandra Siebold & Zucc)
 Application Application2 Denomination Submission Examination TQ Info Gazette Docman documents Financial
 Denomination: Bokrabruijn Undefined Code



UPOV Codes, botanical nomenclature

- Example, Neillia D. Don 'Bokrabruijn' in CPVO Variety Finder

CPVO Variety Finder
 Search among **1.496.152** Denominations, **1.351.946** Varieties, **156** Registers in **74** Countries

Denomination	Denomination Nature	Species Latin Name	Countries	Register type
Bokrabruijn	Denomination	Neillia D. Don	NL	PBR
Bokrabruijn	Denomination	Stephanandra Sieb. et Zucc.	QZ	PBR

UPOV Codes, botanical nomenclature



- Situation in GRIN

GRIN-Global		U.S. National Plant Germplasm System
Version: 2.3.3.1		Accessions Descriptors Reports GRIN Taxonomy ▾ GRIN ▾ Help Co
Name	Synonym of	Taxon Family
<i>Stephanandra chinensis</i> Hance	<i>Neillia hanceana</i> (Kuntze) S. H. Oh	Rosaceae
<i>Stephanandra flexuosa</i> Siebold & Zucc.	<i>Neillia incisa</i> (Thunb.) S. H. Oh	Rosaceae
<i>Stephanandra incisa</i> (Thunb.) Zabel	<i>Neillia incisa</i> (Thunb.) S. H. Oh	Rosaceae
<i>Stephanandra tanakae</i> (Franch. & Sav.) Franch. & Sav.	<i>Neillia tanakae</i> Franch. & Sav.	Rosaceae

UPOV Codes, botanical nomenclature



- Back to UPOV principles

(d) In general, amendments to UPOV codes will not be made as a result of taxonomic developments unless these result in a change to the genus classification of a species. The "Explanatory notes on variety

Principle that each TWPs is invited to check UPOV codes but

- More than 5000 codes in the ornamental sector
- Possibly little checks in practice
- Botany evolves, probably dozens of changes within thousands of codes every year

UPOV Codes, botanical nomenclature



- Objective
 - ⇒ to have the botanical name (linked to the UPOV code) duly updated in GENIE – whether the code changes or not with the developments in nomenclature
 - ⇒ To be able to find a given variety looking for its main botanical name or synonym species name
- Proposed method
 - ⇒ To introduce a system of alerts, linking GENIE to GRIN, in case a botanical name of relevance for GENIE is updated in GRIN



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