UPOV

# INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
Geneva

# WORKING GROUP FOR THE DEVELOPMENT OF A UPOV DENOMINATION SIMILARITY SEARCH TOOL

## First Session
## Geneva, September 3, 2014

SIMILARITY SEARCH OPTIONS

Document prepared by WIPO

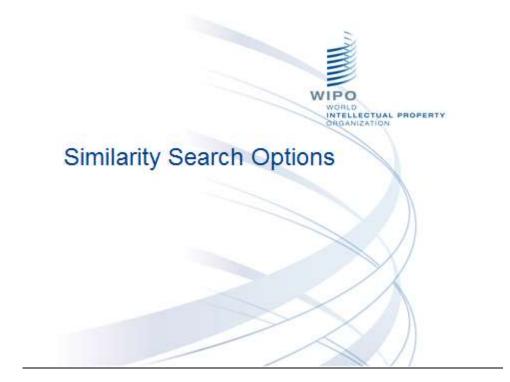Disclaimer:  this document does not represent UPOV policies or guidance

The Annex to this document contains a copy of a presentation on Similarity Search Options made by Mr. Glenn Mac Stravic, Brand Database Section, World Intellectual Property Organization, at the Working Group on Variety Denomination Search Tool (WG-DST).

[Annex follows]

## Similarity Search Options

# PLUTO

- Separate 'denomination search' tab
  - Matches only same denomination class – based on UPOV code
  - Lookup UPOV code using search interface
  - Enter denomination search, similar results returned on same page

# PLUTO – Denomination Similarity

- **Similarity Factor**
  - CPVO algorithm – only those with similarity above threshold are shown
- **Fuzzy**
  - Levenshtein of any term distance < 2
- **Phonetic**
  - Double metaphone – english pronunciation of any term
- **Basic text comparison**
  - Begins with, ends with, contains automatically apply wildcards to each term: pin*, *pin, *pin*

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# Global Brand Database / PLUTO

- All WIPO web search systems use the same back-end software – Lucene/SOLR
- Developments in one system can benefit all the others
- Global Brand Database implements image similarity; available to all other systems
- Take advantage of ongoing open-source development to enhance speed and power of searching
- Custom algorithms can be implemented to use Lucene/SOLR back-end for faster development

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[End of Annex and of document]