

Technical Working Party on Testing Methods and Techniques**TWM/2/1 Rev.2****Second Session****Virtual meeting, April 8 to 11, 2024****Original:** English**Date:** April 8, 2024**REVISED DRAFT AGENDA***Document prepared by the Office of the Union**Disclaimer: this document does not represent UPOV policies or guidance*

1. Opening of the Session
2. Adoption of the agenda (document TWM/2/1 Rev.2)
3. Matters for discussion
 - 3.1 Guidance and information materials (document TWP/8/1)
 - 3.2 Technical Committee subgroup on Test Guidelines
 - 3.3 Variety description databases including databases containing molecular data
 - Implementation of Purdy's notation for pedigrees in UPOV PRISMA (document TWP/8/3)
 - 3.4 Software and statistical analysis methods for DUS examination
 - (a) Statistical tools and methods for DUS examination
 - (i) The Combined-Over-Years Uniformity Criterion (COYU) (document TWM/2/3)
 - (ii) Development of software for the improved COYU method (splines) (document TWM/2/3)
 - (iii) Extrapolation in relation to COYU (document TWM/2/3)
 - (iv) Comparison of results obtained for COYD and COYU procedures using different software (TWM/2/20)
 - (v) Development of Big Data platform for DUS examination
 - (b) Exchange and use of software and equipment
 - (i) Statistical Analysis Software used for DUS testing of Plant Variety (DUSCEL4.0) (document TWM/2/11)
 - 3.5 Phenotyping and image analysis
 - (a) Assessment of color characteristics using image analysis
 - (i) A method for calibration of size and color used in image analysis (document TWM/2/10)
 - (b) Application of Imaging Analysis on DUS Test
 - (i) UAV-based field phenotyping in the United Kingdom agricultural DUS testing (document TWM/2/8)
 - (ii) Application of Imaging Analysis on DUS Test (document TWM/2/13)

- 3.6 Developments in molecular techniques and bioinformatics
 - (a) Latest developments in molecular techniques and bioinformatics
 - (i) WIPO Standard ST.26 - WIPO Sequence (document TWM/2/15)
 - (b) Cooperation between international organizations
 - (i) Latest developments in the application of BMT under the OECD Seed Schemes (document TWM/2/19)
 - (ii) ISTA report on the use of techniques for variety identification and verification (document TWM/2/18)
 - (c) Report of work on molecular techniques in relation to DUS examination
 - (i) Reference collection management using molecular markers: a new approach based on genomic prediction (document TWM/2/4)
 - (ii) Uniformity assessment using molecular markers (document TWM/2/5)
 - (iii) Molecular approaches to support DUS testing (document TWM/2/6)
 - (iv) CPVO R&D activities (document TWM/2/12)
 - (v) Maize6H-60K: A genome-wide single nucleotide polymorphism array and its application (document TWM/2/16)
 - (vi) Guidelines for the validation of a new characteristic-specific molecular marker protocol for DUS studies as an alternative method for observation (document TWM/2/17)
 - (d) Methods for analysis of molecular data, management of databases and exchange of data and material
 - (e) Confidentiality, ownership and access to molecular data, including model agreement template
 - (i) Confidentiality of molecular information (document TWM/2/7)
 - (ii) Examples of policies on confidentiality and access to molecular information data
 - (f) The use of molecular techniques in examining essential derivation
 - (g) The use of molecular techniques in variety identification
 - (i) Use of Artificial Intelligence-based Markers for Variety Traceability (document TWM/2/9)
 - (ii) LociScan, a tool for screening genetic marker combinations for plant variety discrimination (document TWM/2/14)
 - (h) The use of molecular techniques for enforcement
- 4 Matters for information
 - (a) Reports from members and observers (document TWM/2/2)
 - (b) Report on developments within UPOV (document TWP/8/2)
- 5 Date and place of the next session
- 6 Future program
- 7 Adoption of the Report on the session
- 8 Closing of the session