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| International Union for the Protection of New Varieties of Plants |  |

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| Technical Working Party on Testing Methods and Techniques  First Session Virtual meeting, September 19 to 23, 2022 | TWM/1/1 Rev.2  Original: English  Date: September 19, 2022 |

revised Draft Agenda

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Opening of the Session

Adoption of the agenda (document TWM/1/1 Rev.2)

Developments in plant variety protection:

(a) Reports from members and observers (TWM/1/3)

(b) Report on developments within UPOV (TWM/1/2)

Guidance and cooperation

(a) Development of guidance and information materials (document TWP/6/1)

(b) Increasing participation in the work of the TC and the TWPs (document TWP/6/12)

(c) Cooperation in examination (document TWP/6/9)

(d) Information and databases

- UPOV PRISMA (document TWP/6/3)

- UPOV information databases (document TWP/6/4)

- Variety description databases including databases containing molecular data (document TWP/6/2)

- Variety denominations (document TWP/6/6)

Software and statistical analysis methods for DUS examination

(a) Statistical tools and methods for DUS examination

- The Combined Over Years Uniformity Criterion (COYU) (document TWP/6/11)

- Developments on the improved COYU method (splines) (TWM/1/8 and TWM/1/8 Add.)

- Combined-over-year uniformity (COYU) criterion: Extrapolation (TWM/1/7 and TWM/1/7 Add.)

(b) Exchange and use of software and equipment (document TWP/6/5)

- Development of Statistical Analysis Software: DUSCEL (TWM/1/10)

- PATHOSTAT application (TWM/1/11)

Phenotyping and image analysis

- Image Analysis in Plant Variety Testing (TWM/1/4)

- Color Imaging Analysis System (TWM/1/5)

- DUS characteristics image processor (TWM/1/6)

- UAV potential in DUS testing (TWM/1/20)

- Machine Learning InnoVar project (TWM/1/25)

Developments in molecular techniques and bioinformatics

(a) Latest developments in molecular techniques and bioinformatics

(b) Cooperation between international organizations (document TWP/6/7)

- ISTA report on the use of molecular techniques (TWM/1/23)

- Latest developments in the application of BMT under the OECD Seed Schemes (TWM/1/24)

(c) Report of work on molecular techniques in relation to DUS examination

- Update on IMODDUS activities (TWM/1/14)

(d) Methods for analysis of molecular data, management of databases and exchange of data and material

- Application of molecular markers in DUS testing of new varieties of Chinese cabbage (TWM/1/9)

- DURDUStools: Development of a common online molecular database and a genetic distance calculation tool for durum wheat (TWM/1/12)

- Development of a SNP marker set in Cannabis to support DUS testing (TWM/1/17)

- International harmonisation and validation of a SNP set for the management of tomato reference collection (TWM/1/18)

- Cotton genotyping using the TAMU 63KSNPsArray (TWM/1/13)

- The US PVPO Soybean molecular marker method (TWM/1/16)

(e) Confidentiality, ownership and access to molecular data, including model agreement template1 (TWM/1/22)

(f) The use of molecular techniques in examining essential derivation[[1]](#footnote-2)

(g) The use of molecular techniques in variety identification1

- Variety identification: soybean case in Argentina (TWM/1/15)

- Digital PCR for Genotype Quantification: A Case Study in a Pasta Production Chain (TWM/1/21)

(h) The use of molecular techniques for enforcement1

- Variety Tracer: Fraudulent use of parental lines (TWM/1/19)

(i) Session to facilitate cooperation

Date and place of the next session

Future program

Adoption of the Report on the session (if time permits)

Closing of the session

[End of document]

1. “Breeders day” September 22, 2022 [↑](#footnote-ref-2)