## Work plan for UPOV Technical Working Party on Testing Methods and Techniques (TWM), Third Session, Beijing, China (TWM/3) (please note that the schedule is subject to change at any time) – Local time in Beijing (UTC+8)

(e) Test Guidelines: support for drafters; additional characteristics; and methods of propagating the variety (TWP/9/3)	(UTC+8)	Monday, April 28 Start 08.30	Tuesday, April 29 Start 8.30	Wednesday, April 30 Start 8.30	Thursday, May 1 Start 8.30
10.00 Coffee Break  10.30 3.1 Software and statistical amajois methods for DUS examination (TWMSVIII)  (ii) Grading ratheria of big data platform for DUS examination (TWMSVIII)  (iii) Confidentiality of receive for the confidential to receive for the con	8.30 am	(i) Opening remarks [MARA] (ii) Opening remarks [NFGA] (iii) Overviews of China's PVP system [MARA] (iv) Overviews of China's PVP system [NFGA]  2. Adoption of agenda (TWM/3/1 Rev.)  5. Date and place next session  4. Matters for information (a) Reports on developments in UPOV (b) Reports from members and observers (TWM/3/2) (c) Procedures for DUS examination (TWP/9/1) (d) UPOV Information databases (TWP/9/2) (e) Test Guidelines: support for drafters; additional characteristics; and methods of propagating the variety (TWP/9/3) (f) Proposal for a revision of document TGP/7 "Development of Test Guidelines", GN 28	Departure from hotel: 8:30	and UPOV workshop on molecular techniques) (i) Developments at ISTA (TWM/3/25)  (ii) Development at OECD (TWM/3/26)	enforcement (i) Use of DNA techniques for plant variety rights enforcement in Peru (TWM/3/3)  (ii) Use of Molecular Markers as a tool to enforce Plant Breeders' Rights (PBR) in Soybean in Uruguay (TWM/3/18)  3.3 (d) Methods for analysis of molecular data, management of databases and exchange of data and material (cont'd) (v) Use of DNA databases at Naktuinbouw to improve DUS work (TWM/3/8)  (vi) Shared molecular database (TWM/3/23)
11.3.0 (Inciding retain ad statistical analysis methods to FDUS seamination (TWM219) (I) Creating orters of Anthuruum DUS quantitative characteristics by multiple comparison (TWM219) (I) Creating orters of Anthuruum DUS quantitative characteristics by multiple comparison (TWM219) (I) Creating orters of Anthuruum DUS quantitative characteristics by multiple comparison (TWM219) (I) Periodicial orters of the Comparison (TWM219) (I) Lunch (I) Caption of the DUS set of oggethant fruit color based on lab color parameters (TWM219) (I) Lunch (I) Lunch (I) Exploitation of internative (TWM211) (I) Lunch (I) Exploitation of internative (TWM211) (I) Lunch (I) Exploitation of internative (TWM211) (I) Lunch (I) Exploitation of the violation of a complete color (TWM219) (I) Lunch (I) Exploitation of the violation of a complete color (TWM219) (I) Data scenera activities at Naksumbouw towards genotyping and phenotyping: an update (TWM219) (I) Data scenera activities at Naksumbouw towards genotyping and phenotyping: an update (TWM219) (I) Data scenera activities at Naksumbouw towards genotyping and phenotyping: an update (TWM219) (I) PAD - an algorithm for program-ancested detection based on genetic profiles (TWM3129) (I) PAD - an algorithm for program-ancested detection based on genetic profiles (TWM3129) (I) PAD - an algorithm for program-ancested of detablases and exchange of data are materials (I) Color of the program-ancested of detablases and exchange of data are materials (I) Color of the program-ancested of detablases and exchange of data are materials (I) PAD - an algorithm for program-ancested of detablases and exchange of data are materials (I) PAD - an algorithm for program-ancested of detablases and exchange of data are materials (I) PAD - an algorithm for program-ancested of detablases and exchange of data are materials (I) PAD - an algorithm for program-ancested of detablases and exchange of data are materials (I) PAD - an algorithm for program-ancested of detablases and exchange of data are materials (I) PAD - an	40.00	Co#ee Proofs		Coffee Breek	
12.00 pm	10.30	(i) Development of big data platform for DUS examination (TWM/3/19)  (ii) Grading criteria of Anthurium DUS quantitative characteristics by multiple comparison (TWM/3/12)  3.2 Phenotyping and image analysis (i) A new perspective on the DUS test of eggplant fruit color based on lab color parameters (TWM/3/13)		model agreement template  - Confidentiality of molecular information (TWP/9/6)  3.3 (f) The use of molecular techniques in examining essential derivation (i) Exploration of identification techniques based on SNP markers for essentially derived varieties of wheat (TWM/3/11)  (ii) Essentially derived varieties (EDV) threshold development in soybeans	
14.00 3.1 Software and statistical analysis methods for DUS examination (cont'd) (iii) COYU development update 2025 (TYMM3/5) 3.3 (a) Latest developments in molecular techniques and bioinformatics (i) Data science activities at Naktuinbouw towards genotyping and phenotyping: an update (TYMM3/15)  3.3 (d) Methods for analysis of molecular data, management of databases and exchange of data and material (ii) Exploiting crop haplotype-tag polymorphisms marker for pedigree identification (TYMM3/15)  15.30  Coffee Break  Coffee Break  3.3 (d) Methods for analysis of molecular data, management of databases and exchange of total and material (iii) PAD – an algorithm for progeny-ancestor detection based on genetic profiles (TYMM3/10)  (iii) PAD – an algorithm for progeny-ancestor detection based on genetic profiles (TYMM3/12)  15.30  Coffee Break  Coffee Break  3.3 (c) Report of work on molecular techniques in relation to DUS examination (TYMM3/12) (iv) Attitical Intelligence and molecular markers at Naktuinbouw: a call for knowledge exchange (TYMM3/12) (iv) Attitical Intelligence and molecular markers in soft fruit: a proof of concept (TYMM3/12)  (iv) Attitical Intelligence and molecular markers in soft fruit: a proof of concept (TYMM3/12)  (iv) Attitical Intelligence and molecular techniques in relation to DUS examination of concept (TYMM3/12) (iv) Can be the order of DUS phenotyping tools for and with examination offices: experience gained (TYMM3/27) (iv) Development of DUS phenotyping tools for and with examination offices: experience gained (TYMM3/27) (iv) Penotyping concept for strengthening the plant variety protection chain via combined use of IA&AI (TYMM3/28)  (iv) Development in the validation of a new characteristic-specific (TYMM3/24)  (iv) Corporation for variety collection management in wheat (TYMM3/15)  (iv) Development of DUS phenotyping tools for and with examination offices: experience gained (TYMM3/24)  (iv) Corporation for variety collection management in wheat (TYMM3/15)  (iv) Development of DUS phe		(ii) Length data collection device pro (TWM/3/14)			
(ii) COVID development update 2025 (TWM/3/5)  3.3 (a) Latest developments in molecular techniques and bioinformatics (i) Data science activities at Naktuinbouw towards genotyping and phenotyping; an update (TWM/3/15)  3.3 (d) Methods for analysis of molecular data, management of databases and exchange 2/ data and material (iii) The use of biomolecular technology in DUS testing - a case study on barley (TWM/3/10) (iv) Artificial Intelligence and molecular markers in soft fruit: a proof of concept (TWM/3/21) (iv) PAD - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/21) (iii) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/21) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/21) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/21) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/21) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/21) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/21) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/21) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/21) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/21) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/21) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/21) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/22) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/22) (iv) Drab - an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/22) (iv) Drab - an algorithm for progeny-ancestor fruit a proof of concept (TWM/3/22) (iv) Drab - an algorithm for progeny-ancestor fruit a pro	12.00 pm	Lunch		Lunch	Lunch
16.00  3.3 (d) Methods for analysis of molecular data, management of databases and exchange of data and material(cont'd) (iii) DurdusTools: Current state and use in DUS-testing (TWW/3/21) (iv) Development of DUS phenotyping tools for and with examination offices: experience gained (TWM/3/27) (iv) Phenotyping concept for strengthening the plant variety protection chain via combined use of IA&AI (TWM/3/28)  17.30  End  3.3 (c) Report of work on molecular techniques in relation to DUS examination (DUS examination(cont'd) (v) Can better understanding of the genetic architecture of wheat DUS characteristics help streamline the DUS processes? (TWM/3/22) (vi) Genomic prediction for variety collection management in wheat (TWM/3/6) (vii) COYD-GP enhanced distinctness criterion for cross-pollinated agricultural crops (TWM/3/15)  17.30  End  End  End  End		(iii) COYU development update 2025 (TWM/3/5)  3.3 (a) Latest developments in molecular techniques and bioinformatics (i) Data science activities at Naktuinbouw towards genotyping and phenotyping: an update (TWM/3/16)  3.3 (d) Methods for analysis of molecular data, management of databases and exchange of data and material (i) Exploiting crop haplotype-tag polymorphisms marker for pedigree identification (TWM/3/10)  (ii) PAD – an algorithm for progeny-ancestor detection based on genetic profiles (TWM/3/17)		(i) Guidelines for the validation of a new characteristic-specific molecular marker protocol as an alternative method for observation (TWP/9/4)  (ii) Latest developments in characteristic-specific molecular markers at Naktuinbouw: a call for knowledge exchange (TWM/3/7)  (iii) The use of biomolecular technology in DUS testing - a case study on barley (TWM/3/20)  (iv) Artificial Intelligence and molecular markers in soft fruit: a proof of concept (TWM/3/24)	8. Closing of the session
of data and material(cont'd) (iii) DurdusTools: Current state and use in DUS-testing (TWM/3/21) (iv) Development of DUS phenotyping tools for and with examination offices: experience gained (TWM/3/27) (iv) Phenotyping concept for strengthening the plant variety protection chain via combined use of IA&AI (TWM/3/28)  (v) Phenotyping concept for strengthening the plant variety protection chain via combined use of IA&AI (TWM/3/28)  17.30  End  examination(cont'd) (v) Can better understanding of the genetic architecture of wheat DUS characteristics help streamline the DUS processes? (TWM/3/22) (vi) Genomic prediction for variety collection management in wheat (TWM/3/6) (vii) COYD-GP enhanced distinctness criterion for cross-pollinated agricultural crops (TWM/3/4) (viii) CPVO R&D activities (TWM/3/15)  End  End					Coffee Break
17.30 End End End	16.00	of data and material(cont'd) (iii) DurdusTools: Current state and use in DUS-testing (TWM/3/21)  (iv) Development of DUS phenotyping tools for and with examination offices: experience gained (TWM/3/27)  (v) Phenotyping concept for strengthening the plant variety protection chain via		examination(cont'd)  (v) Can better understanding of the genetic architecture of wheat DUS characteristics help streamline the DUS processes? (TWM/3/22)  (vi) Genomic prediction for variety collection management in wheat (TWM/3/6)  (vii) COYD-GP enhanced distinctness criterion for cross-pollinated agricultural crops (TWM/3/4)	
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