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)

(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
8.30 am	1. Opening (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 "Example Varieties" (TWP/9/5)	FIELD VISIT Departure from hotel: 8:30 Return to hotel: 19:30	3.3 (b) Cooperation between international organizations (Joint OECD, ISTA and UPOV workshop on molecular techniques) (i) Developments at ISTA (TWM/3/25) (ii) Development at OECD (TWM/3/26) (iii) Developments at UPOV	3.3 (g) The use of molecular techniques for 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) 6. Future program
10.00	Coffee Break		Coffee Break	Coffee Break
10.30	3.1 Software and statistical analysis methods for DUS examination (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) (ii) Length data collection device pro (TWM/3/14)		3.3 (e) Confidentiality, ownership and access to molecular data, including 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 (TWM/3/9)	
12.00 pm	Lunch		Lunch	Lunch
14.00	3.1 Software and statistical analysis methods for DUS examination (cont'd) (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)		3.3 (c) Report of work on molecular techniques in relation to DUS examination (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)	7. Adoption of the Report 8. Closing of the session
15.30	Coffee Break		Coffee Break	Coffee Break
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 (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 combined use of IA&AI (TWM/3/28)		3.3 (c) Report of work on molecular techniques in relation to 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/3/4) (viii) CPVO R&D activities (TWM/3/15)	
17.30	End		End	End
	Reception Dinner by MARA (Qin Yuan Fu Hotel)			