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Convention

## **REPORT**

# **Technical Panel on Diagnostic Protocols (TPDP)**

**Virtual Meeting  
27 October 2021**

**IPPC Secretariat**

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## 1. Opening of the Meeting

### 1.1 Welcome

- [1] The Standard Setting Specialist, Ms Aoife CASSIN, from the International Plant Protection Convention (IPPC) Secretariat (hereafter referred to as the “IPPC Secretariat”), welcomed the participants to the virtual meeting of the Technical Panel on Diagnostic Protocols (TPDP).

## 2. Meeting Arrangements

### 2.1 Selection of the Chairperson

- [2] Ms Yazmín RIVERA (U.S. Animal and Plant Health Inspection Service) was selected as Chairperson.

### 2.2 Selection of the Rapporteur

- [3] One TPDP member asked about the roles of Chairperson and Rapporteur. The Secretariat presented and clarified the main roles and activities of the Expert, Steward, Chairperson, Rapporteur and Secretariat in the meetings.
- [4] One TPDP member asked the main difference between an International Standard for Phytosanitary Measures (ISPM) and a Diagnostic Protocol (DP). The Secretariat presented briefly the particularities of the Expert Working Groups (EWG), Technical Panels (TPs) and delineated the process for the development of a DP. The possibility to have invited experts attending the meetings of EWGs and TPs was also raised, following a previous SC decision.
- [5] Ms Julie PATTEMORE (Department of Agriculture, Water and the Environment, Australia) was selected as Rapporteur.

### 2.3. Adoption of the agenda

- [6] The TPDP adopted the agenda (Appendix 1).

## 3. Administrative Matters

- [7] The IPPC Secretariat noted that the TPDP Steward Mr Álvaro SEPÚLVEDA LUQUE, Ms Juliet GOLDSMITH and Ms Gèraldine ANTHOINE were not available to attend the meeting. The Participants’ list is available in Appendix 2. The participants were reminded to update their contact information, if necessary, as it is reflected in the TPDP membership list<sup>1</sup> on the International Phytosanitary Portal (IPP – [www.ippc.int](http://www.ippc.int)).

## 4. TPDP Work Programme

### 4.1 Updates and review the work programme

#### *Pending issues*

- [8] The Secretariat informed that Ms Juliet GOLDSMITH could not attend this meeting and therefore, the planned discussions on the draft DP for *Mononychelus tanajoa* was postponed to a future meeting. The Secretariat noted that this draft is intended to go for first consultation in July 2022 and so, there is still time for the TPDP to review the draft.
- [9] The TPDP went through the list of subjects that are currently on their work programme and the Discipline leads gave a brief status update.
- *Candidatus Liberibacter spp. on Citrus spp.* (2004-010): the discipline lead informed the TPDP that his expectation is to comply with the deadline, responding the comments received by 1 November 2021. The aim is to open the DP notification period on 5 January 2022. The Secretariat highlighted the next steps for this draft will be to open a TPDP e-Forum to review the draft DP

<sup>1</sup> TPDP membership list: <https://www.ippc.int/en/publications/81560/>

and the compiled comments ahead of a TPDP focused meeting scheduled for the end of November. If the TPDP agree to the draft they will recommend it to the SC for adoption and the Secretariat will open an SC e-Decision in early December.

- *Mononychelus tanajoa* (2018-006): this topic is under review and will be discussed in a future TPDP meeting, once the discipline lead could not be present in the current meeting. The Secretariat reinforced that the TPDP can send the comments through the e-Forum and another focused meeting will be scheduled to review this draft.
- Genus *Ceratitis* (2016-001): the Secretariat received many requests to access the draft but, as only two comments were received, the expert consultation will be extended to mid November 2021. The Secretariat reminded the TPDP to share the information with their contacts about the expert consultation period extension for this draft DP.
- Psyllid vectors of *Candidatus Liberibacter solanacearum* (2018-030): the discipline lead informed the group that one of the drafting group members left and he is getting no responses from the DP lead author about the commitment from the other two authors on reaching the goal or the need of a third author. The expectation is to finish the drafting of this DP by 30 June 2022.
- *Puccinia graminis* f. sp. *Tritici* UG 99 (2019-004): the discipline lead noted they are having difficulties reaching the authors. The discipline lead will try to contact the drafting group to check their availability to continue working on this DP. She also informed about a potential co-author. The Secretariat required the potential author's CV and statement of commitment, followed by an indication by the respective NPPO, to present to the TPDP for approval. The discipline lead will contact the NPPO of the potential co-author and also the lead author to check if he is still interested to take this role.
- Tephritidae: Identification of immature stages of fruit flies of economic importance by molecular techniques (2006-028): this DP is under review by the TPDP. The initial request was to remove it from the TPDP work programme, but the SC is keen to keep this subject and reduce the scope. The Secretariat suggested for the lead to review the discussion and include a robust justification for the removal of this DP subject to be presented to the SC. The paper from the TPDP July meeting<sup>2</sup> could be updated for this purpose; the Secretariat and the discipline lead will proceed with the paper's update and open an e-Forum to the TPDP for revision before presenting to the SC.
- Pospiviroid species (except Potato spindle tuber viroid (DP 7))(2018-031): this is a new drafting group and the discipline lead updated the TPDP that they had a meeting together at the beginning of October 2021. The group discussed the draft DP and had two questions. Firstly they identified a diagnostic protocol (DP 7) for the Potato Spindle Tuber Viroid (PSTVd), one of the Pospiviroids, which is closely related to this draft DP. According to the discipline lead, it will be difficult to draft the new DP for the remaining Pospiviroids species, because the diagnostic methods are not specific. Although DP 7 states that the method is suitable for diagnosing PSTVd, it can also be used for other Pospiviroid species. The second question raised was that DP 7 is focused mostly on potato because this is the main host and concern for PSTVd. However, it also affects tomato and other species. The authors are questioning if the new DP can also include PSTVd, once the two DPs are close-related. Regarding the methods, the discipline lead mentioned that the same methods described in DP 7 are going to be present in the new DP, as the drafting group did not identify any other specific method new to this DP. Based on this, the drafting group is asking if they could use some writings from the DP 7 when drafting the new DP, duly acknowledged and referenced.

To summarize, the discipline lead asked the TPDP whether a reference to DP 7 in the new DP is enough or if the scope needs to be broadened to include other species, which would be preferable. One TPDP member commented that there is no problem to broaden the scope of the new DP to include PSTVd, but the challenge would be trying to find the scope of the Genus. The discipline lead complemented that there are some specific protocols that are going to be included, but that the existing protocols that have been used detect all Pospiviroids, once the conventional PCRs are

<sup>2</sup> TPDP July meeting: <https://www.ippc.int/en/publications/90129/>

generic; to identify the species a sequencing needs to be followed. For the moment, the suggested title of the new DP is “Diagnostic Protocol for Pospiviroid species other than PSTVd”. One TPDP member suggested to include the PSTVd in the new draft DP. The Secretariat confirmed that to draft the new DP, the drafting group needs to cross-reference DP 7. The Secretariat suggested that during the drafting, the authors could try to identify whether DP 7 needs to be revised and if so, it can be submitted to the SC. The Secretariat further clarified that this is something that usually happens during an ISPM revision, and it is known as “consequential changes”. One TPDP member commented that the cross referencing to the adopted DPs has been an issue to other drafting groups, once the number of DPs is increasing, and also the need for DP revisions is becoming more frequent. He concluded saying that this topic could be included for discussion in a future meeting. The discipline lead concluded saying that the drafting group probably cannot comply with the 2022 deadline, but she will come back to them with the points discussed by the TPDP.

- *Acidovorax avenae* subsp. *Citrulli* (2018-032): the discipline lead updated the TPDP that the authors are regularly in touch and the DP drafting is in progress. He is going to follow up with the lead author to confirm if the drafting group can comply with the deadline of January 2022.
- *Pyricularia oryzae* (syn. *Magnaporthe oryzae*) on *Triticum* spp. (2019-010): the discipline lead contacted the authors recently, but the topic is still pending.
- *Citrus leprosis virus* (2018-025): the discipline lead had no success trying to contact the lead author, and asked the Secretariat to help reaching him.
- Begomoviruses transmitted by *Bemisia tabaci* (2006-023): the discipline lead asked the Secretariat about the procedure to remove this subject from the work programme. The Secretariat explained that a paper with a justification for its removal is needed and the discipline lead agreed to have this paper ready to present to the TPDP through an e-Forum on 7 January 2022 and if the TPDP approve, the recommendation will be presented to the SC via e-decision.

In relation to the subjects in the TPDP work programme that do not have enough authors (*Microcyclus ulei*, *Amaranthus palmeri*, *Solanum rostratum*, *Moniliophthora roreri*, *Meloidogyne mali* and *Cronartium comandrae* Peck) one TPDP member voiced that in China there are several authors that would be interested to be part of these drafting groups for these DPs. The Secretariat confirmed that they did not receive submissions through the official call and requested that their CVs and statements of commitment be sent to them so they can present them to the TPDP and progress with the selection of drafting groups. One TPDP member asked about the procedure for contacting potential authors to the DPs and the role of a discipline lead in the development of a DP. The Secretariat explained the process and role of authors and discipline lead, including the requirement to contact the respective NPPO before inviting authors to join the drafting groups.

- Revision of DP 5 (*Phyllosticta citricarpa* (McAlpine)) Aa (2019-011): the discipline lead had a meeting with the drafting group to discuss the DP and believes that they can comply with the proposed deadline (March 2022).
- Revision of DP 3 *Trogoderma granarium* Everts (2021-001): this topic will be discussed in the next agenda item regarding the revision of submissions and selection of authors for the drafting group.
- Revision of DP 9 Genus *Anastrepha* (2021-002): the drafting group was selected on September 2021. The drafting group is in contact, but there is no update yet for this DP. The proposed deadline for the first draft of this DP is March 2022.
- Revision of DP 25 *Xylella fastidiosa* (2021-003): the drafting group was selected on September 2021. The proposed deadline for the first draft of this DP is March 2022.
- Revision of DP 27 *Ips* spp (2021-004): the drafting group was selected on September 2021. The drafting group is in contact and there are already some editions on the DP. The discipline lead believes that the drafting group can comply with the proposed deadline of March 2022.

- [10] In light of questions and concerns raised during this meeting, the Secretariat offered the TPDP the possibility of a hold a “refresher” training on the Standard Setting process to clarify the members about the procedures, roles, etc.

### ***Selection of authors (Revision of DP 3)***

- [11] The Secretariat received three nominees through the call for authors for the Revision of DP 03 *Trogoderma granarium* Everts (2021-001): Mr Samuel HAIR (Australia); Mr Ian MARSH (Australia) and Mr Hoang Kim THOA (Viet Nam). The TPDP were invited to consider the three nominations received and select experts for the drafting group, assigning a lead author.
- [12] Two TPDP members commented about the expertise of the candidates, agreeing with their approval and one of them suggested one of the candidates for being the lead author, due to his experience.
- [13] One TPDP member was attentive about the candidates’ expertise regarding the morphological section, considering that there is no notice on the presence of Kapra beetle in Australia and there is no certainty that Viet Nam has. He asked for other TPDP members’ opinion.
- [14] One TPDP member commented about an Australian laboratory which is very experienced about molecular methods for Kapra beetle diagnosis. One TPDP member reminded the group that the revision of this DP was requested by Australia, mainly about the molecular methods; however, the entire DP has to be reviewed, including the morphology section. The Secretariat confirmed the information, as new methods became available.
- [15] One TPDP member suggested Mr Samuel HAIR as the lead author due to his experience on diagnostic protocols. The TPDP agreed with the three authors nominated to compose the drafting group and Mr HAIR as a lead author. The Secretariat briefly explained the process from now on.
- [16] The TPDP:
- (1) *agreed* for Mr Norman BARR to update the paper recommending to the SC the removal of the draft DP for Tephritidae: Identification of immature stages of fruit flies of economic importance by molecular techniques from the TPDP work programme;
  - (2) *agreed* for Mr Brendan RODONI to draft a paper recommending to the SC the removal of the draft DP for Bergomoviruses transmitted by *Bemisia tabaci* from the TPDP work programme;
  - (3) *selected* the three authors for the Revision of DP 3 *Trogoderma granarium* Everts (2021-001), Mr Samuel HAIR (Australia); Mr Ian MARSH (Australia) and Mr Hoang Kim THOA (Viet Nam), and *assigned* Samuel HAIR as the lead author for the drafting group.

## **5. Recommendations to the SC**

### **5.1 Review of draft DP (approve for first consultation)**

#### ***Mononychelus tanajoa***

- [17] As the discipline lead could not attend this meeting, the e-Forum for the TPDP comments on this draft DP will be extended. The draft DP will be discussed in a further focused meeting.

## **6. Updates from IPPC Secretariat**

### **6.1 SC Focused meetings**

#### ***Diagnostic laboratory network***

- [18] The IPPC Secretariat provided an overview to the group on the developmental agenda item for diagnostic laboratory network. It was noted that the topic was already discussed this year in the TPDP 2021 July meeting. The TPDP discussed the Terms of Reference for hiring a consultant by the IPPC and provided inputs. In this occasion the TPDP agreed to contribute reviewing the future report produced by the consultant.

- [19] The Secretariat reported that this issue was raised again in the SC 2021 September focused meeting<sup>3</sup>. The SC formed a small group in July, which had a set of questions to answer on the scope of the diagnostic laboratory network, the type of recognition, the challenges faced by their countries on this matter (e.g., transport of live samples), the role of the DPs in this process, the need of a horizontal DP and the possible guidance that the SC could provide.
- [20] Finally, the Secretariat outlined that this agenda item was presented to the RPPOs representatives during the TC-RPPO meeting<sup>4</sup> in October 2021 and an e-Forum was opened for the participants to provide inputs and that this topic will be discussed again in the next TC-RPPO meeting<sup>5</sup> in November 2021.

### *Call for topics*

- [21] The Secretariat presented the results from the 2021 Call for Topics<sup>6</sup>, which received seven submissions for the development of new DPs. The pathway that those submissions will follow until they are submitted to the CPM-16 (2022) for approval to integrate the List of Topics for IPPC Standards (LOT)<sup>7</sup> was outlined.

## **7. Any Other Business**

- [22] The Secretariat introduced an update that was not in the agenda regarding a survey that is under the Implementation Committee (IC) responsibility to the Contracting Parties (CPs) on the use of the diagnostic protocols, which the TPDP will be probably contacted. As outlined by the Secretariat, the result of this survey will be feedback to the TPDP's work.

## **8. Close of the Meeting**

- [23] The Chairperson closed the meeting and thanked the participants for their active participation.

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<sup>3</sup> Report of the Standards Committee Virtual Focused Meeting: <https://www.ippc.int/en/publications/90346/>

<sup>4</sup> 33rd TC-RPPO Virtual Meeting 01: <https://www.ippc.int/en/events/event/992/>

<sup>5</sup> 33rd TC-RPPO Virtual Meeting 02: <https://www.ippc.int/en/events/event/993/>

<sup>6</sup> 2021 Call for Topics: <https://www.ippc.int/en/publications/90195/>

<sup>7</sup> List of Topics for IPPC Standards (LOT): <https://www.ippc.int/en/core-activities/standards-setting/list-topics-ippc-standards/list>

**Appendix 1: Agenda**

<b>Agenda Item</b>	<b>Document No.</b>	<b>Presenter</b>
<b>1.</b>	<b>Opening of the Meeting</b>	
1.1	Welcome by the IPPC Secretariat	--
		CASSIN
<b>2.</b>	<b>Meeting Arrangements</b>	
2.1	Selection of Chairperson	--
		CASSIN
2.2	Selection of the Rapporteur	--
		Chairperson
2.3	Adoption of the Agenda	01_TPDP_Tel_2021_Oct
		Chairperson
<b>3.</b>	<b>Administrative Matters</b>	
3.1	Participants / membership	<a href="#">TPDP membership list</a>
3.2	Connections to Zoom and virtual meetings	<a href="#">Short guideline for participants</a>
		MANGILI
<b>4.</b>	<b>TPDP work programme</b>	
4.1	Updates and review of work programme: - Pending issues - Selection of authors (Revision of DP 3)	02_TPDP_Tel_2021_Oct
		Chair / CASSIN
<b>5.</b>	<b>Recommendation to the SC</b>	
5.1	Review of draft DP (approve for first consultation) - <i>Mononychelus tanajoa</i>	<a href="#">Link to TPDP eForum</a>
		GOLDSMITH/CASSIN
<b>6.</b>	<b>Updates from IPPC Secretariat</b>	
6.1	SC Focused meetings - Diagnostic Laboratory Network Call for topics - Submission of DP subjects	03_TPDP_Tel_2021_Oct
		MANGILI
<b>7.</b>	<b>Any other business</b>	
		-
		Chairperson
<b>8.</b>	<b>Closing of the meeting</b> - Recommendations to SC or IPPC Secretariat	
		-
		CASSIN / Chairperson

## Appendix 2: Participants list

A check (✓) in column 1 indicates confirmed attendance at the meeting by the time this paper was posted.

	Participant role	Name, mailing, address, telephone	Email address	Term begins	Term ends
	Steward	<b>Mr Álvaro SEPÚLVEDA LUQUE</b> Servicio Agrícola y Ganadero División de Protección Agrícola y Forestal Av. Presidente Bulnes 140, 4 <sup>th</sup> floor, Santiago, <b>CHILE</b> Tel: + 56-2 234 5120	<a href="mailto:alvaro.sepulveda@sag.gob.cl">alvaro.sepulveda@sag.gob.cl</a> ;		
✓	Bacteriology	<b>Mr Robert TAYLOR</b> Plant Health & Environment Laboratory New Zealand Ministry for Primary Industries 231 Morrin Road St Johns PO Box 2095 Auckland 1140 <b>New Zealand</b> Tel: (+64) 9 909 3548 Fax: (+64) 9 909 5739	<a href="mailto:Robert.Taylor@mpi.govt.nz">Robert.Taylor@mpi.govt.nz</a>	May 2011	May 2026 (3 <sup>rd</sup> term)
✓	Botany	<b>Ms Liping YIN</b> Plant Quarantine Laboratory Animal and Plant Inspection and Quarantine Technology Center Shanghai Entry-Exit Inspection and Quarantine Bureau 1208 Minsheng Road Shanghai, 200135 <b>China</b> Tel: (+86) 21 6854 0577 Fax: (+86) 21 6854 6481	<a href="mailto:yinlp@shciq.gov.cn">yinlp@shciq.gov.cn</a> ; <a href="mailto:yinlp2013@hotmail.com">yinlp2013@hotmail.com</a>	April 2008	April 2023 (3 <sup>rd</sup> term)
✓	Botany	<b>Ms Colette C. JACONO</b> USA / USDA-APHIS-PPQ National Identification Services National Taxonomist - Botany Address: 10300 Baltimore Ave., BARC-W Bldg 12, Rm 10., Beltsville, MD 20705-2350 <b>USA</b> Tel. (+1) 240 428 9658	<a href="mailto:Colette.Jacono@usda.gov">Colette.Jacono@usda.gov</a> ;	October 2020	October 2025
✓	Entomology	<b>Mr Norman B. BARR</b> Assistant Director Mission Laboratory 22675 N. Moorefield Rd. Moore Air Base Bldg. S-6414 Edinburg, TX 78541 <b>USA</b> Tel. (+1) 956 205 7658 Fax: (+1) 956 205 7680	<a href="mailto:Norman.B.Barr@aphis.usda.gov">Norman.B.Barr@aphis.usda.gov</a>	July 2012	2022 (2 <sup>nd</sup> term 2017-2022)

Participant role	Name, mailing, address, telephone	Email address	Term begins	Term ends
Entomology	<b>Ms Juliet GOLDSMITH</b> Plant Health Specialist Caribbean Agricultural Health and Food Safety Agency (CAHFSA) Letitia Vriesdelaan 10 Paramaribo <b>Suriname</b> Tel: (+597) 422 546 Mobile: (+597) 725 2922	<a href="mailto:julietgoldsmith@gmail.com">julietgoldsmith@gmail.com</a>	November 2014	2024 (2 <sup>nd</sup> term)
Nematology	<b>Ms G�eraldine ANTHOINE</b> Directrice adjointe / Deputy head Chef d'unit� coordination de la r�f�rence / Head of unit "coordination of reference activities" 7 rue Jean Dixm�ras 49044 ANGERS cedex 01 <b>France</b> Tel: (33) 241207431 Fax: (33) 240207430	<a href="mailto:geraldine.anthoine@ances.fr">geraldine.anthoine@ances.fr</a>	April 2009	2024 (3 <sup>rd</sup> term)
✓ Virology, and backup for bacteriology	<b>Mr Brendan RODONI</b> Biosciences Research Division AgriBio Centre Ring Road La Trobe University Bundoora 3083 <b>Australia</b> Tel: (+61) 3 9032 7319 Fax: (+61) 3 9800 3521	<a href="mailto:brendan.rodoni@ecodev.vic.gov.au">brendan.rodoni@ecodev.vic.gov.au</a>	July 2012	2022 (2 <sup>nd</sup> term)
✓ Virology	<b>Ms Vessela Assenova MAVRODIEVA</b> Assistant Laboratory Director, USDA APHIS, PPQ, Beltsville, MD, <b>USA</b> Tel: (+1) 301-313-9208	<a href="mailto:vessela.a.mavrodieva@usda.gov">vessela.a.mavrodieva@usda.gov</a> ;	March 2020	March 2025
✓ Mycology	<b>Ms Julie PATTEMORE</b> Assistant Director: Plant Pathology, Department of Agriculture, Water and the Environment, Melbourne, <b>Australia</b> Tel: (+61) 3 83186957	<a href="mailto:julie.pattemore@awe.gov.au">julie.pattemore@awe.gov.au</a>	March 2020	March 2025
✓ Mycology	<b>Ms Yazmin RIVERA</b> Molecular Biologist, USDA APHIS, PPQ, Beltsville, MD, <b>USA</b> Tel: (+1) 301-313-9273	<a href="mailto:Yazmin.Rivera@usda.gov">Yazmin.Rivera@usda.gov</a> ;	March 2020	March 2025

	Participant role	Name, mailing, address, telephone	Email address	Term begins	Term ends
✓	IPPC Secretariat Support	<b>Ms Aoife Cassin</b> Standard Setting Specialist IPPC Secretariat / FAO Viale delle Terme di Caracalla 00153 Rome, Italy	<a href="mailto:Aoife.Cassin@fao.org">Aoife.Cassin@fao.org</a>		
✓	IPPC Secretariat Support	<b>Ms Adriana G. MOREIRA</b> Standard Setting Officer IPPC Secretariat / FAO Viale delle Terme di Caracalla 00153 Rome, Italy	<a href="mailto:Adriana.Moreira@fao.org">Adriana.Moreira@fao.org</a>		
✓	IPPC Secretariat Support	<b>Ms Erika Mangili André</b> Standard Setting Specialist IPPC Secretariat / FAO Viale delle Terme di Caracalla 00153 Rome, Italy Tel: (+39) 06 57052 480	<a href="mailto:Erika.Mangiliandre@fao.org">Erika.Mangiliandre@fao.org</a>		

**Appendix 3: Action points****ACTION POINTS ARISING FROM THIS MEETING**

(by agenda item)

	Action	Agenda Item	Responsible	Deadline
1	Open a TPDP e-Forum to review the draft DP and the compiled comments for <i>Candidatus Liberibacter</i> spp. on <i>Citrus</i> spp.	4.1	IPPC Secretariat	before the next TPDP meeting (end of November)
2	Extend the deadline of the expert consultation period on the DP for Genus <i>Ceratitis</i>	4.1	IPPC Secretariat	mid November 2021
3	Update the document on the draft DP for Tephritidae: Identification of immature stages of fruit flies of economic importance by molecular techniques (2006-028) to be presented to the SC for removal	4.1	Mr Norman BARR	7 January 2022
4	Contact the drafting group on the draft DP for Citrus leprosis virus	4.1	IPPC Secretariat	
5	Draft a document on the draft DP for Bergomoviruses transmitted by <i>Bemisia tabaci</i> to be presented to the SC for removal	4.1	Mr Brendan RODONI	7 January 2022
6	Contact potential authors to the DPs: <i>Puccinia graminis</i> f. sp. <i>Tritici</i> UG 99, <i>Microcyclus ulei</i> , <i>Amaranthus palmeri</i> , <i>Solanum rostratum</i> , <i>Moniliophthora roreri</i> , <i>Meloidogyne mali</i> , <i>Cronartium comandrae</i> Peck	4.1	Discipline leads / TPDP	
7	Hold a “refresher” training on the Standard Setting process to clarify the members about the procedures, roles, etc.	4.1	IPPC Secretariat	
8	Extend the deadline of the e-Forum on the DP for <i>Mononychelus tanajoa</i>	5.1	IPPC Secretariat	