

## Minutes of Meeting

Subject : 6<sup>th</sup> Peatlands Working Group 2 (PLWG-2) Meeting  
 Date : July 11<sup>th</sup> & 12<sup>th</sup>, 2018  
 Venue : Aloft Hotel, Kuala Lumpur

Name	Organisation	Status
Faizal Parish	GEC	Substantive
Dr. Joshua Mathews	Bumitama Gunajaya Agro	Substantive
Dr. Shahrakbah Yacob	Sime Darby	Substantive
Chin Kai Xiang	Bunge Loders Croklaan	Substantive
Dr. Arina Schrier	Wetlands International	Substantive
Dr. Gotz Martin	Sinarmas-Agri	Substantive
Jason Foong	KLK	Substantive
Dr. Raymond Alfred (12 <sup>th</sup> July)	IOI Group	Substantive
Julia Lo	GEC	Alternate
Bas Tishout	World Resources Institutes	Alternate
Lim Sian Choo	Bumitama Gunajaya Agro	Alternate
Richard Kan	Golden Agri	Alternate
Sim Choon Cheak	AAR (KLK)	Alternate
Serena Lew Siew Yan (only on 11 <sup>th</sup> July)	GEC	
Ananta Mayadi (only on 12 <sup>th</sup> July)	Minamas	
Arnina Hussin	Sime Darby R&D	
Amir Afham	RSPO Secretariat	Secretariat
Devaladevi Sivaceyon	RSPO Secretariat	Secretariat
Kertijah Kadir (only on 12 <sup>th</sup> July)	RSPO Secretariat	
<i>Absent with apologies:</i>		
Jason Hon	WWF	Substantive
Rianto Sitanggang	Bunge Loders Croklaan	Substantive
Almo Pradana	World Resource Institute (WRI)	Substantive
Harizajudin	Sawit Watch	

No	Item description	Main Discussion Points	Action Points	Progress Update
<b>July 11<sup>th</sup> 2018 (Wednesday)</b>				
1.	Welcoming and update from previous minutes of meeting	<p>Secretariat welcomed new members to the working group and continued with agenda of the day.</p> <p>WG has agreed on the peat definition. Co-chair stressed the importance of the peat definition be circulated publicly.</p> <p>Touching on external reviewer for drainability assessment, co-chair suggested to check if anyone from Sarawak can become potential reviewer.</p>	Secretariat to provide the finalized peat definition for addition to the P&C 2018	Peat Definition announced & available on the RSPO website.
2.	Update on P&C review 2018 – Taskforce 5	<p>Co-chair shared updates on the P&amp;C 2018 draft 2 relating to peat (Annex 2).</p> <p>WG's comments was captured during the meeting as tabulated in Annex 3.</p> <ul style="list-style-type: none"> <li>• 7.8.4 <ul style="list-style-type: none"> <li>○ The term 'in line' to rephrase to 'following'.</li> <li>○ It was commented that exemptions should be given for drainability assessments for legacy areas with assisted or artificial drainage. Comment added "WG to review and give guidance on any exception or legacy cases in relation to the drainability assessment procedure."</li> </ul> </li> <li>• 7.8.5 <ul style="list-style-type: none"> <li>○ To add the missing term 'area'. "All existing planting on peat within the managed <b>area</b> is managed....."</li> <li>○ Replace 'at least to' with ' in line with'. ".....<b>managed in line with</b> the standard in the....."</li> <li>○ The PLWG will identify the BMPs which will be auditable under the P&amp;C 2018</li> </ul> </li> <li>• 7.8.6 <ul style="list-style-type: none"> <li>○ Change to '<b>All unplanted and set aside areas on peat</b> in the managed area (regardless of depth) are protected.....'</li> <li>○ To include definition of set aside areas in this context. The PLWG2 will provide the definition by Sept'18.</li> <li>○ To add 'by the grower'. '.....new drainage, road building and power lines <b>by the grower</b> on peat soils is prohibited..."</li> </ul> </li> </ul>	<p>Secretariat to amend the missing word 'area' from P&amp;C 2018 on 7.8.5.</p> <p>Secretariat to develop checklist for grower to report on management area on peat to RSPO, a requirement that is set to come in under RSPO P&amp;C 2018 (what need to be reported is map needed, how frequent, peat depth etc)</p> <p>Secretariat and WG will compile comments on P&amp;C 2018 tomorrow.</p>	Final and confirmed comments from WG has been shared with Proforest on 13 <sup>th</sup> July.

		<ul style="list-style-type: none"> <li>○ replace 'at least to' with 'in line with'. “.....and peatlands are managed <b>in line with</b> the standard.....”</li> <li>○ The PLWG2 will identify the BMPs which will be auditable under the P&amp;C 2018.</li> </ul> <p>ON 7.8.1, it was suggested the term ‘new planting’ to be changed to ‘new development’ due to the thought that it may carry a vague meaning. The WG felt that ‘new planting’ is the appropriate term and the best term to use especially since this is well understood among growers.</p>		
3.	Peat mapping	<p>Secretariat gave an update on peat mapping (Annex 4). Requests were emailed to 35 growers seeking verification of the accuracy of the Gunarso datasets with their internal data and accuracy of the indicative forest cover loss data from Global Forest Watch (GFW). Of the 35 sent, only 5 responses were received. A Compilation of these responses indicated that the publication data had a low level of accuracy. There was one case where Gunarso’s dataset indicated 10,000ha+ of peat on a concession, which was verified with by the grower as not containing any peat. Another concern was from the responses, not only the hectarage/boundary of peat was in question, but also the accuracy of the location of peat. Gunarso’s findings was taken as more or less similar to Badan Restorasi Gambut (BRG)’s map.</p> <p>Co-chair responded that a potential reason for the difference could be subsidence, especially in areas containing shallow peat. Another possibility could be an error in the placement of the peat base layer causing the difference.</p> <p>WG was curious as to why Gunarso’s findings are used as the baseline and co-chair explained that Gunarso was engaged back in 2010 by the previous peatland working group itself. Co-chair added that it’s not to be concluded that Gunarso’s study was inaccurate but instead the difference in classification could be a main factor contributing to such a high difference in findings.</p> <p>WG commented that it’s crucial to indicate which boundary is RSPO looking at when they request data for cross checking. Maps especially for Indonesia differs greatly in hectarage for Hak Guna Usaha and Izin</p>		

		<p>Lokasi, so this comes to the question to which map should be preferred for comparison.</p> <p>Secretariat explained the situation of being under great ambiguity by not knowing exact hectareage of area planted versus conserved on peatland. This then links back to the importance in peat monitoring. WG asked the action for PLWG to also be smallholder inclusive.</p> <p>Secretariat shared a request from RSPO Assurance Task Force to make the peat map public via the platform, Geo-RSPO. WG gave a strict 'no' and questioned the fate of map that was sent along with ACOP submissions. ACOP reports are public but the maps are not public yet. Hence WG's decision is, if Assurance task force are keen with peat map, they should begin by looking at ACOP submissions. Secretariat suggested WG to draft a formal letter to convey this opinion. Co-chair also explained that given the data are still under construction it's not ready to be out for public.</p> <p>Secretariat suggested a new research that could be used which is from <i>Gumbricht et al.</i> which is based on a predictive model from known peat areas. A comparison between, Gunarso, Gumbricht, and BRG database could be done determine the most suitable database to use. Secretariat suggested that Grower WG members provide their internal data on known peat areas in their concessions to be used as the baseline for comparison. The WG agreed, provided that the datasets and findings are to be kept strictly for internal RSPO use only. Secretariat agreed to the conditions set by the WG. WI added that they could provide WI maps covering South Sumatra, Riau &amp; Central Kalimantan which were accurate as ground truthing had been done.</p> <p>WG added that monitoring NPP map from 2010 – 2015 can be an initial indicative based on picture of map given. Co-chair reminded the secretariat to update the NPP monitoring for peat (till Oct'18) for updates in the upcoming RT in November'18</p>	<p>To revisit drafting of the recommendation letter with regards to making peat maps available in Geo-RSPO once peat mapping is completed.</p> <p>Sime Darby, KLK, Bumitama, GAR and WI to provide their internal peat datasets. Secretariat to do a comparison between the datasets of confirmed peat areas with the Gunarso, Gumbricht and BRG datasets.</p> <p>Secretariat to look into total land planted and set aside on peat for NPP up to October'18 as continuation from previous ERWG monitoring.</p>	<p>Have informed RSPO secretariat members of ATF on WG's stand on the issue of accessibility of the peat maps.</p> <p>Have received selected peat maps from WI. Pending from Growers.</p> <p>NPP monitoring has been updated as at April'18 (latest NPP submission)</p>
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4.	Checklist for BMP on peatlands	<p>Secretariat circulated the checklist over meeting (Annex 5). One main audit checklist will be produced for RSPO P&amp;C 2018 as overall and a sub-peatland check list will be for audit purpose specific to practices from BMPs.</p> <p>Concern was brought up as there was no clear guidance on which practice within the BMP guidance was auditable and which was voluntary, and the introduction of this checklist would cause auditors to assume all practices within the checklist would be compulsory &amp; auditable. Co-chair stressed out that this was not the case, the WG would decide &amp; specify which of the practices was auditable. A suggestion was made to add auditable practices in the 'generic P&amp;C 2018 audit checklist' and the voluntary practices would be available in the checklist available in the BMP guidance.</p> <p>It was decided that this was to be further discussed and tabled in the next meeting in September'18.</p>	<p>WG to decide on criteria from BMP that will be used for P&amp;C audit and BMP audit.</p> <p>Secretariat to note that the next PLWG2 meeting in Sept'18 to focus on key elements in BMP manual considered for auditing in relation to P&amp;C 2018. The findings to be used for the presentation to the P&amp;C TF6.</p>	
5.	Review and update on BMP on existing cultivation of oil palm on peat	<p>GEC presented the current draft of the BMP (existing OP cultivation on peat) with comments from WG members. Clarification of past comments and addition of new ones were done and recorded by GEC.</p> <p>The timeline for the completion of the BMP guidelines was discussed. The WG decided that it would not be appropriate to complete and release the BMPs prior to the adoption of the latest P&amp;C as the BMPs specifically referenced the P&amp;C 2018.</p> <p>It was decided that the WG members would review the BMP guidance for the final draft and share their comments to GEC by 3<sup>rd</sup> August 2018. It was also agreed that the agronomic chapters and would require more time, as such the deadline was set to 31<sup>st</sup> August 2018.</p>	<p>WG members to provide comments by 3<sup>rd</sup> august. Dr Joshua &amp; Dr Sim to provide comments on</p>	

		Co-chair added it would be valuable to sent the manual for stakeholder review. It was agreed that the manual would be sent to stakeholders for review once a more complete version was available, tentatively in September'18.	agronomic chapters by 31 <sup>st</sup> August.	
6.	Review and update on BMP for rehabilitation of peatland	GEC presented the current draft of the BMP (rehabilitation) with comments from WG members. Clarification of past comments and addition of new ones were done and recorded by GEC.  Timeline for the rehabilitation manual is the same as BMP (existing cultivation) manual.	Refer to item 5	
<b>No</b>	<b>Item description</b>	<b>Main Discussion Points</b>	<b>Action Points</b>	<b>Progress Update</b>
<b>July 12<sup>th</sup> 2018 (Thursday)</b>				
7.	Drainability Assessment - Findings from pilot testing	Pilot testers from WG member Growers presented on their findings of the drainability assessment. Bumitama (annex 7) and Sime Darby (annex 8) presented their initial findings for tier 1 & tier 2 respectively.  Dipa from Wetlands International joined the meeting via skype to review and take note of the findings presented by the Pilot testers.  Bumitama concluded that for tier 1, while the assessment was feasible in terms of application on the field, the use of theodolite to determine the land level was both labour and time intensive in comparison to the total area assessed. WI agreed with the comment, however added that while the use of theodolite was the accurate, that level of accuracy was not needed and other methods were available such as the U-hose water levelling which was less intensive but provided acceptable accuracy.  Sime Darby concluded that there were issues with tier 2; the method was feasible in terms of application however the results did not reflect on-site conditions. WI noted that there were some irregularities with the results of the assessment. WI added that there was a possibility that the relevant water body selected in the pilot was not appropriate.	Sime Darby to relook at the selection of water body and revert with their findings.	

		<p>After discussion, it was decided that Sime Darby will relook into the comments by WI and revert on the findings. WI also suggested to use the latest peat thickness map as subsidence of peat will influence the result.</p> <p>KLK is in the midst of pilot testing and are using DSM data which may potentially be processed to DTM. They should be presenting in the next meeting.</p> <p>GAR mentioned that they were also in the midst of their piloting and added the WI have been actively involved in assisting the pilot testing.</p> <p>All testers will be sharing their findings with Arina and Dipa.</p> <p>Arina asked WG on decision for external reviewer, Co-chair responded that it's not a compulsory by RSPO's requirement to have external review but it will be valuable to do so. Alternatively, if going through the whole assessment is tedious for the reviewer suggestion was the seek advice only for the crucial parts.</p> <p>Secretariat opened suggestion for external reviewer from grower companies.</p> <p>Chair asked Arina on why Deltares are not keen to be external reviewer. Arina explained that Deltares are not into looking at new, simplified approach. The WG feels that this may cause a problem in future when the methodology will be launched and only then they come back highlighting challenges. Hence the WG feels it's best to have it resolved before the launch.</p>	<p>KLK &amp; GAR to present the findings of their pilot testing in the next meeting.</p> <p>All pilot testers to fill in the feedback form provided by WI to Arina &amp; Dipa once their respective pilot tests have been completed.</p> <p>WG to suggest other suitable candidates for external review.</p> <p>Secretariat to follow up all previously contacted candidates.</p>	<p>External review in progress. Three reviewers have agreed:</p> <ol style="list-style-type: none"> <li>1. Prof Susan Page</li> <li>2. Dr Rahmadi</li> <li>3. Dr Charles</li> </ol> <p>Review to be completed by end Sept'18.</p>
8.	Cont' - Review and update on BMP for rehabilitation of peatland	Meeting continued with GEC collating comments from members.	Refer item 5	
9.	SH Standard, SH Academy and SH Interim Group (SHIG)	Ms.Kertijah (Jang), RSPO Smallholder(SH) Program Manager was invited to brief on SH standard, SH academy and SH interim group (SHIG). Slide as in Annex 9.		

		<p>SH standard has 5 principles in total. Principle 2 contains items on peat. WG did a quick run comparing P&amp;C 2018 and SH Standard. Jang explain that this standard is only for Independent SH. Scheme SH will be complying against P&amp;C.</p> <p>WG raised a question “if in the future SH continue to plant on peat, how would RSPO deal with the issue? Will RSPO exclude them?” Jang responded that the SH standard was still in works and some details had not been completely meshed out by SHIG, however it was important the WG comment on the the SH Standard draft 1 to further improve it.</p> <p>WG proposed to draft best management practices for peat that can and should be implemented at SH group level and individual level.</p> <p>On SH Academy, the platform/website is own by RSPO with curriculum and training of the trainers (ToT) approach. Modules are designed for independent SH, SH manager and supporting organisation. These modules will also be translated in to Bahasa Melayu, French and Bahasa Indonesia. WG opined that it would be good if the WG could review and comment on the content before the peat module went live to avoid contradiction with the planned Smallholder BMP manual. Jang replied that she would share the draft peat module with the WG.</p> <p>Target for accomplishment is by end of the year 2018. The business model such as fee and man power are yet to be decided according to Jang.</p> <p>Secretariat presented the draft TOR on PLWG-SH Subgroup. Secretariat checked if the contents of curriculum will be coming from whom and Jang explained that the contents will be coming from PLWG.</p> <p>The TOR developed is as Annex 10. There will be a consultant for this subgroup who will be appointed by tender process, the consultant needs to be independent from the current group.</p>	<p>Jang to share the peat module for SH academy to the WG</p> <p>Secretariat to make open announcement tendering for consultant.</p>	<p>SH academy peat module circulated by secretariat to PLWG 16<sup>th</sup> July.</p> <p>The ToR for the consultant completed. Pending WG approval &amp; commencement of tendering.</p>
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10.	Sustainability College	<p>Co-Chair explained that there will be technical facts needing the big group to re-look after O&amp;E consultant has simplified the script.</p> <p>Given the on-progress updates for BMP manual, production of scripts is put on hold until both the manuals are completely updated, tentatively looking at September'18.</p>		
11.	Financial budget 2018/2019	<p>Secretariat presented budget for 2018/2019 financial year, slide is as Annex 11.</p> <p>Chair mentions that the production of both BMP manual previously received some sponsorship and potentially will be receiving this time as well, this will reduce the overall budget for this work.</p>		
12.	RT topics 2018	<p>WG discussed in short that PLWG are looking at having a Prep Cluster during RT.</p> <p>The proposed topics will be dwelling on:</p> <ul style="list-style-type: none"> <li>• Drainability assessment</li> <li>• Peat mapping</li> <li>• Winrock BMP on emission reduction</li> </ul>		<p>GHG unit given one prep cluster session for RT16. The BoG requested topics to be linked to P&amp;C 2018. Proposed one session for peat covering:</p> <ol style="list-style-type: none"> <li>1. Peat definition</li> <li>2. Auditable items in BMP</li> <li>3. Drainability assessment.</li> <li>4. Peat inventory</li> </ol>
13.	Next Meeting	Secretariat will send doodle poll for the 2 <sup>nd</sup> week of September'18		Doodle poll sent out on July 13 <sup>th</sup>
14.	AOB	<p>I. Secretariat re-updated the planted area figure for monitoring of peat mapping due to excel formula error in the previously shown sheet in Day 1.</p> <p>II. Chair asked if the BMP manual needs to go through public consultation process. WG felt that external reviewer may have different thoughts about the contents and add more time to the review process. Chair said that there will be a public consultation for comments around September'18 on the almost completed draft</p>	<p>Julia will be circulating the revised version of manual with comments for 3<sup>rd</sup> review by WG members. Targeted time for draft finalising</p>	<p>BMP draft with comments from the 6<sup>th</sup> meeting circulated by Julia on 12<sup>th</sup> July.</p>

		<p>manual. Both draft manual is targeted to be circulated by 3<sup>rd</sup> of September' 18.</p> <p>III. Drainability assessment's draft also needs to be finalised before the next meeting. Testers are to share feedback form by 30th July'18 with Arina. Possibly to circulate for comments by 25<sup>th</sup> July'18.</p>	<p>process is 31<sup>st</sup> August with the approval of the final draft by the PLWG2 in November or December.</p>	
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Annex 1: Meeting agenda and attendance sheet

## 6<sup>th</sup> PLWG meeting

Venue: Room Tactic 3, Aloft KL Sentral, Kuala Lumpur

**Day 1, 11<sup>th</sup> July 2018 (Wednesday)**

Time	Agenda
9.00am – 9.30am	1. Review of previous meeting's minutes and progress on actions
9.30am – 10.30am	2. Update and review of peatland issues in P&C 2018 review TF5
10.30am – 11.00am	Coffee Break
11.00am – 11:30am	3. Updates on Peat mapping, RSPO secretariat
11:30am – 12:30 pm	4. Audit checklist (Peatlands), GEC
12.30pm – 1.30pm	Lunch (Nook Restaurant, Aloft KL Sentral)
1.30pm – 3.00pm	5. Brief & discussion on Existing Plantation BMP, GEC
3.00pm – 3.30pm	Coffee Break
3.30pm – 5.00pm	6. Brief & discussion on Rehabilitation BMP revision, GEC
5:00pm	End Day 1

**Day 2, 12<sup>th</sup> July 2018 (Thursday)**

Time	Agenda
9.00am – 9.30am	7. Ask RSPO FAQ review, comments & approval
9.30am – 9.45am	8. Presentation on Drainability assessment pilot, Bumitama (TBC)
9.45am – 10.30am	9. Presentation on Drainability assessment pilot, Sime Darby
10.30am – 11.00am	Coffee Break
11.00am – 11.30am	10. Discussion on Drainability assessment guidelines (pilot testing & external review)
11:30am -12:30pm	11. Sustainability college, Pest & Disease module, Wetlands Int.
12.30pm – 1.30pm	Lunch (Nook Restaurant, Aloft KL Sentral)
1.30pm – 2.00pm	12. Sustainability college, Water management module, Wetlands Int.
2.00pm – 2.30pm	13. Updates on SH Academy, RSPO secretariat (TBC)
2.30pm – 3.00pm	14. Next step for SH & PLWG2 SH Sub-group
3.00pm – 3.30pm	15. Budget and workplan 2018-2019
3.30pm – 4.00pm	Coffee Break
4.00pm – 4.30pm	16. Confirmation of next meeting(s)
4.30pm – 5.00pm	17. AOB
5.00pm	End Day 2

6<sup>th</sup> PLWG Meeting, 11<sup>th</sup> – 12<sup>th</sup> July 2018

Aloft, KL Sentral, Malaysia

No	Name	Organisation	Signature 11 <sup>th</sup> July'18	Signature 12 <sup>th</sup> July'18
1.	Faizal Parish (co-chair)	GEC		
2.	Julia Lo	GEC		
3.	Joshua Mathews (co-chair)	Bumitama Gunajaya Agro		
4.	Sian Choo Lim	Bumitama Gunajaya Agro		
5.	Shahrakbah	Sime Darby		
6.	Jason Foong	Kuala Lumpur Kepong Bhd (KLK)		
7.	Sim Choon Cheak	AAR (KLK)		
8.	Jason Hon	WWF		
9.	Kai Xiang Chin	<sup>BUSSE</sup> Loders Croklaan		
10.	Rianto Sitanggang	BLC		
11.	Gotz Martin	Sinarmas-Agri		
12.	Richard Kan	Golden Agri		
13.	Arina Schrier	Wetland International		
14.	Bas Tinhout	Wetland International		
15.	Almo Pradana	World Resources Institute (WRI)		
16.	Harizajudin	Sawit Watch		
17.	Amir Alham	RSPO Secretariat		
18.	Devaladevi Sivaceyon	RSPO Secretariat		

19. Low Siew Yan (Geron) GEC  
 20. Ananta Mayade Miamas  
 21. Aminda Hussin SD R&D  
 22. DR. RAYMOND ALFRED IOI GROUP

## Annex 2: Update on P&C review 2018 – Taskforce 5

<h3>Peatlands in 2018 P&amp;C</h3> <p>Faizal Parish, Co-chair PLWG 2</p>	<h3>Peatlands in 2013 P&amp;C</h3> <ul style="list-style-type: none"> <li>• Peatlands was included in 2013 P&amp;C under:</li> <li>• Indicator 4.3.4 ( subsidence) and 4.3.5 (drainability) and</li> <li>• guidance under 4.3 referred to the RSPO BMP manual</li> <li>• Criteria 7.4 on avoiding extensive planting on marginal and fragile soil including peat</li> </ul>	<h3>Main changes in P&amp;C 2018</h3> <ul style="list-style-type: none"> <li>• One integrated criteria specifically for peat</li> <li>• No new planting on peat allowed</li> <li>• All peat in management unit to be managed responsibly</li> <li>• Requirement for mapping and reporting area of management area on peat to RSPO</li> <li>• Requirement to follow BMPs in both BMP manuals ( production and conservation)</li> <li>• Clear requirements for subsidence monitoring and drainability maintained and enhanced</li> </ul>														
1	2	3														
<h3>Peatlands in 2018 P&amp;C</h3> <ul style="list-style-type: none"> <li>• <b>Criteria 7.8</b> ( merging 4.3b and 7.4b) No new planting on Peat regardless of depth and all peatlands managed responsibly</li> <li>• Indicators</li> <li>• 7.8.1 (old 7.4b.1) There is no new planting on peat (after GA+1Day).</li> <li>• 7.8.2 (old 4.3b.1) Peat soils within the managed areas are inventorised, documented and reported to RSPO Secretariat.</li> <li>• 7.8.3 (old 4.3b.2) Subsidence of peat soils is monitored, documented and minimized; and a documented water and ground cover management programme is in place.</li> <li>• 7.8.4 (old 4.3b.3) Drainability assessments are undertaken in line with the <b>RSPO Drainability Assessment Procedure</b> prior to replanting on peat and the result is used to determine the long-term viability of the necessary drainage (or oil palm growing or whether the oil palm needs to be replaced with alternative, more water tolerant, crops or rehabilitated with natural vegetation.</li> <li>• 7.8.5 (old 4.3b.4) All existing planting on peat within the managed is managed at least to the standard in the <b>RSPO Manual on Best Management Practices (BMPs) for existing oil palm cultivation on peat, version 2, revised xx 2018</b></li> <li>• 7.8.6 (old 4.3b.4 partially) All areas of undeveloped peatlands in the managed area (regardless of depth) are protected; new drainage, road building and power lines on peat soils is prohibited, and peatlands are managed at least to the standard in the <b>RSPO Best Management Practices for Management and Rehabilitation of Natural Vegetation associated with Oil Palm cultivation on Peat ("BMP") - version 2, xx</b></li> </ul>	<h3>Issues for PLWG</h3> <table border="1"> <thead> <tr> <th>Indicator</th> <th>Action by PLWG</th> </tr> </thead> <tbody> <tr> <td>7.8.1 There is no new planting on peat (after GA+1Day).</td> <td>Clear definition of peat</td> </tr> <tr> <td>7.8.2 Peat soils inventorised, documented and reported to RSPO Secretariat.</td> <td>Guidance on inventory and documentation. Format for reporting to RSPO</td> </tr> <tr> <td>7.8.3 Subsidence of peat soils is monitored, documented and minimized; and a documented water and ground cover management programme is in place</td> <td>Guidance for monitoring of subsidence and guidance on water and ground cover mgt</td> </tr> <tr> <td>7.8.4 Drainability assessments</td> <td>RSPO Drainability Assessment Procedure. Guidance on alternative crops and rehab.</td> </tr> <tr> <td>7.8.5 BMP Manual for oil palm</td> <td>Revised manual, audit checklist</td> </tr> <tr> <td>7.8.6 BMP manual for conservation</td> <td>Revised manual, audit checklist</td> </tr> </tbody> </table>	Indicator	Action by PLWG	7.8.1 There is no new planting on peat (after GA+1Day).	Clear definition of peat	7.8.2 Peat soils inventorised, documented and reported to RSPO Secretariat.	Guidance on inventory and documentation. Format for reporting to RSPO	7.8.3 Subsidence of peat soils is monitored, documented and minimized; and a documented water and ground cover management programme is in place	Guidance for monitoring of subsidence and guidance on water and ground cover mgt	7.8.4 Drainability assessments	RSPO Drainability Assessment Procedure. Guidance on alternative crops and rehab.	7.8.5 BMP Manual for oil palm	Revised manual, audit checklist	7.8.6 BMP manual for conservation	Revised manual, audit checklist	
Indicator	Action by PLWG															
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7.8.6 BMP manual for conservation	Revised manual, audit checklist															

Annex 3: WG's comments on RSPO P&C 2018 - 2<sup>nd</sup> public consultation

## RSPO P&C Review

Public Consultation workshops: template for comments

Please provide your comments below on any elements of the Principles and Criteria covered in the workshop. At the end is a space for providing comments on any other proposed changes to the P&C.

Consultation location: .....

Date: .....13/07/2018.....

Group members: PLWG2 Group members



### Principle 7: Natural Resource Management and Biodiversity Enhanced

Criteria / Indicators	Comments
<b>Criterion 7.8</b>	
7.8.4	<ol style="list-style-type: none"> <li>1. Change the 'in line' to 'following'. Drainability assessments are undertaken <b>following</b> the RSPO.....</li> <li>2. The PLWG will review and give guidance in Sept 18 prior to the TF6 meeting on any exception or legacy cases in relation to the drainability assessment procedure.</li> <li>3. The PLWG2 will be finalizing the drainability assessment procedure in the WG meeting and make it available to the P&amp;C TF</li> </ol>
7.8.5	<ol style="list-style-type: none"> <li>1. Missing text 'area'. "All existing planting on peat within the managed <b>area</b> is managed....."</li> <li>2. Replace 'at least to' with 'in line with'. ".....managed <b>in line with</b> the standard in the....."</li> <li>3. The PLWG will identify the BMPs which will be auditable under the P&amp;C 2018</li> </ol>
7.8.6	<ol style="list-style-type: none"> <li>1. Change to 'All <b>unplanted and set aside areas on peat</b> in the managed area (regardless of depth) are protected.....'</li> <li>2. To include definition of set aside areas in this context. The PLWG2 will provide the definition by Sept'18.</li> <li>3. To add 'by the grower'. '.....new drainage, road building and power lines <b>by the grower</b> on peat soils is prohibited..."</li> <li>4. replace 'at least to' with 'in line with'. ".....and peatlands are managed <b>in line with</b> the standard....."</li> <li>5. The PLWG2 will identify the BMPs which will be auditable under the P&amp;C 2018.</li> </ol>

## Annex 4: Update on peat mapping

### PEAT MAPPING UPDATE

By GHG Unit (RSPO Secretariat)  
6<sup>th</sup> PLWG2 Meeting  
11-12 July 2018  
Aloft, Kuala Lumpur






1

### Peat Mapping Update

	Concession on Peat (ha)	Planted OP 2010 (ha) <sup>1</sup>	New member joined, 2011-2016 (ha)	Land cleared (after joining) 2011-2016 (ha) <sup>2</sup>	Area untouched 2016 (ha) <sup>3</sup>
Indonesia	498,689	237,724	106,65	50,615	199,689
Malaysia	135,337	49,973	722	1,172	83,468



- PLWG2 decided that secretariat was to verify data Gunarso et al. with growers.
- RSPO to compile the responses and report to WG on 6<sup>th</sup> meeting in July 2018

2

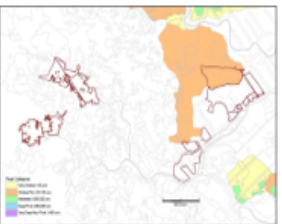
### Grower verification

- Email sent on 24<sup>th</sup> April 2018 to growers
- To verify two areas of concern:
  - Accuracy of the 'peat base layer' from Gunarso et al.
  - Verify the forest cover loss used as 'indicative land clearance' from Hansen et al.
- Verification sent to 35 growers for verification:
  - Received 5 responses from growers
  - Comments were mainly on land clearance/forest cover loss (Hansen et al.)
  - 2 comments on peat layer inaccuracies



3

### Grower verification 1



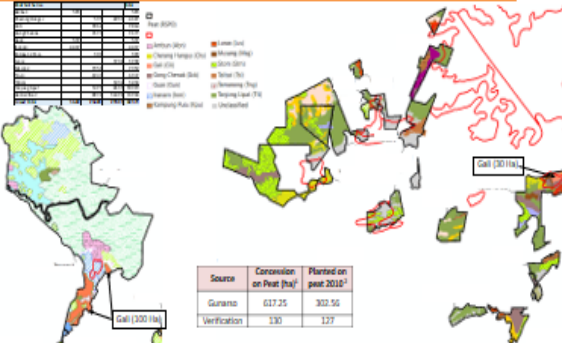
Source	Concession on Peat (ha) <sup>1</sup>	Planted on peat 2010 <sup>2</sup>
Gunarso et al.	10,564.75	5,078.82
Verification	0	0

- Grower mentioned that BRG maps also indicate presence of peat which they claim inaccurate.
- Conducted soil survey (no peat presence)
- Invited BRG & ICRAF in Feb, 2018 to visit the area as confirmation on no presence of peat.
- Last replanting 199.92 Ha in 2014 (Hansen data shows 152 Ha cover loss in 2016)






4

### Grower verification 2



Source	Concession on Peat (ha) <sup>1</sup>	Planted on peat 2010 <sup>2</sup>
Gunarso	617.25	302.56
Verification	130	127






5

### Grower verification

Company	Concession on Peat (ha)	Area Verified	Remarks
PT A	1,708.80	1,708.00	Penanaman dan pemantauan di lahan dibuka sejak tahun 2004. Berdasarkan peta Hugel-Kroonenland Nasional sesuai SK No. 242/Pb/Per/Men/2018/Per/02/2017, terdapat area gambut di PT A seluas 1,708 Ha. Berdasarkan hasil soil survey area detail yang dilakukan oleh tim kami, berdasarkan gambut di PT A < 2 meter. Tidak ada aktivitas land clearing di PT A, yang ada adalah aktivitas replanting.
PT B	1,087.80	0	Berdasarkan peta Hugel-Kroonenland Nasional sesuai SK No. 242/Pb/Per/Men/2018/Per/02/2017 (Delapan), tidak terdapat area gambut di PT B.
PT C	2,865.49	234 (8.18%)	Berdasarkan peta Hugel-Kroonenland Nasional sesuai SK No. 242/Pb/Per/Men/2018/Per/02/2017 (Delapan), terdapat area gambut di PT C seluas 234 Ha. Namun berdasarkan hasil soil survey area detail yang dilakukan oleh tim kami, terdapat area gambut di PT C seluas 60.85 Ha dengan kedalaman < 2 m.

- From 5 feedback received from growers:
  - All verified the "indicative land clearance" on peat was actually replanting activities

6

## Conclusion on verification

- **Indicative land clearance from GFW (Hansen et al)**
  - Not accurate as it considers any change in "forest" cover as deforestation (includes replanting)
  - Can be used as a monitoring/preliminary checking tool used on a 'case by case' basis:
    - Complaints or reports against growers.
- **Peat base layer**
  - Based on available verification by growers, data is not accurate for monitoring use
  - Difference not only in extent of peat boundary or total area, but also the location of peat soils.
  - Secretariat looking into another study on peat by Gumbrecht et al. [LINK](#)



RSPO  
Roundtable on Sustainable Peat Use

7

## Peat layer dataset

- **Whats next?**
  - Comparison between Gumbrecht et al., Gunaseo et al. and limited data from growers (based on previous verification)
  - GIS unit currently doing comparison



\* Only part of the complete dataset



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8

## Peat layer dataset



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9

## Information required & Conclusion

- More data on confirmed peat areas within concessions required for accuracy comparison
- Possible sources:
  - PLWG2 members?
  - NPP submissions?
- Current findings from peat mapping show:
  - ATF request to publicly display peat areas on RSPO website is not possible
    - Accuracy issues on currently available data (peat)
  - if an 'acceptably' accurate peat layer can be found, data can be used as a monitoring and preliminary verification tool for:
    - Complaints by stakeholders
    - Verifying NPP submissions



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10

END



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11



Annex 5: Draft Checklist for the RSPO BMP manual for oil palm on peat

Name of Company:

Location of plantation

Total planting area:

Peat area: \_\_\_\_\_ % of area with peat

Year(s) of planting:

Date of survey:

Survey team

BMPs for oil palm cultivation on peatland			
BMP	Issues	Requirements	Observations
Map and nature of peat	Extent	Map to show extent of peatland	
	Depth	Map or records to show depth	
	Type	Map or records to show type ( Fibric, Hemic, Sapric)	
	Subsoil	Record of subsoil and mgt measures if acid sulphate or sand	
Water management - effectively maintaining water level of 50-70cm (below the bank in collection drain) or 40-60cm (groundwater piezometer reading)	rainfall data	Maintain daily records	
	Water mgt/ drainage system	Parallel or contour drainage system clearly marked in maps	
	Drainability	Drainability assessment. Able to drain at all states of river level/tide	
	Outlet controls	Adjustable Gates at inlet/outlet	
	water control structures	One stop-off for every 20cm drop in water level	
	Drain water level monitoring	Peiscales at regular intervals in collection drains/main drains	
	Active water management	Stop-off/gate level adjusted regularly to maintain water level at 50-70cm in collection drains	
	In field water levels	At least one piezometer per block - reading weekly	
	subsidence monitoring	At least one subsidence post per block	
Fertilizer & nutrients management	record of water level	Water levels regularly recorded and used for management	
	Regular assessment of fertilizer needs	Foliar analysis on annual basis	
	Nutrient deficiencies	Periodic checking of leaves for signs of significant deficiencies	
Integrated Pest and Disease  Esp ganoderma, rhinoceros beetle, termite, rat,	Micro nutrients	Regular application of Zn, Cu and B	
	IPM Plan	Clear IPM plan	
	Beneficial plants	Beneficial plants planted in each block along main roads	
	Surveys	Regular surveys for pests and diseases and record of incidence	

Tirathaba bunch moth	Control	Use of appropriate control and avoidance of restricted pesticides	
	Ganoderma	Minima presence or active control	
	Other significant disease problems	Identify issues and control methods	
	Gaps and supply	Number of gaps/supply per ha	
Effective weed management	Herbicide use	Focus on planting circle and harvesting path. No blanket spraying. Avoidance of class I pesticide/herbicide.	
Management of leaning and fallen palms	Evidence of appropriate planting approach	Compaction and hole-in-hole planting	
	Leaning palms	Record of proportion of leaning palms and severity	
	Treatment of palms	Soil mounding and other approaches to address leaning palms	
Replanting	Age of replanting	Normal replanting age for peat 20 years	
	Drainability assessment	Drainability assessment according to RSPO method to be completed before replanting	
	Compaction	mechanical soil compaction before replanting if low bulk density	
	Planting	hole in hole planting 10-15cm below surface	
<b>BMPs operational issues</b>			
Yield	Records	Record of yield by block	
	Enhancement	Measures taken to enhance yield	
Transport system		Record system used (buffalo, wheelbarrow, tractor, truck, water)	
Training and field supervision	BMP	Record of specialised training on peat and monitoring/supervision of BMPs	
<b>BMPs Environmental and social issues</b>			
conservation, maintenance and rehabilitation of natural vegetation and river reserves	water quality	No spraying near drains or buffers	
	HCV	HCV areas in peat identified and managed appropriately (management and monitoring plan)	
	Other conservation areas (HCS, Peat, Buffer etc)	identified and managed appropriately (management and monitoring plan)	
	Endangered and endemic species	Presence of rare and endangered species documented and protection measures in place	
	Wildlife corridor and buffer zone	Where animal movement through estate or HCV – no inappropriate barriers to movement placed	
	Prevention of hydrological	Boundary canal or drainage system should not lead to drainage of adjacent peatlands	


	disruptions to adjacent peatland riverbank	Adequate buffer (10-40m) along waterways, vegetated with appropriate natural vegetation,	
Fire prevention and control	Fire risk	Fire risk maps for peatland prepared for plantation and adjacent areas	
	FDRS	FDRS warning signs and system	
	Patrols	Regular patrols of fire prone areas	
	Control	Available equipment for fire control ( pumps, hoses etc) and trained staff	
minimization of greenhouse gas (GHG) emission	Monitoring and reporting	Completion of GHG report ( using Palm GHG)	
	Emission reduction	Measures to minimize of reduce GHG from peat	
cooperation with local communities/stakeholders	identification	Identification of other stakeholders in peatland landscape	
	Collaboration	Collaboration and exchange on common peatland management issues.	
Others			

## Annex 6: Review and update of existing RSPO manuals on BMPs relating to Peat

### Review and Update of existing RSPO Manuals on BMPs relating to Peat

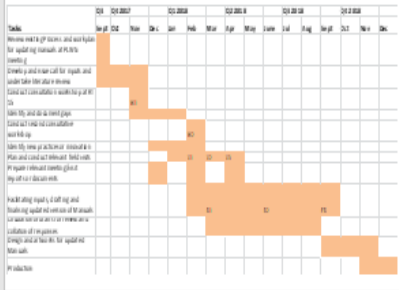
By  
Faizal Parish/ Julia Lo

11<sup>th</sup> July 2018, 6<sup>th</sup> PLWG meeting



1

### Timeline



2

### Progress since PLWG 4 (April)

- Comments received on 1<sup>st</sup> draft at time of PLWG 4 meeting as well as other inputs incorporated to 2<sup>nd</sup> Draft By GEC.
- Consultation with selected stakeholders in Bali ICOPE meeting (25-27 April)
- Further information gathered from stakeholders and site visits
- 2<sup>nd</sup> draft circulated to PLWG members on 30 June

3

### BMP for OP on peat

No	Section	PIC	Working title	Note
1	Section 1.1	Sian Choo	Introduction: Oil Palm Cultivation on Peatland	Feedback Received <i>Updated</i>
	Section 1.2	Sian Choo	RSPO P&C (2013) and Guidance in relation to Peatland	Feedback Received <i>Updated</i>

Chapter 1- had been shortened. Updated figures on area of oil palm on peat included. Country regulations updated (Malaysia and Indonesia) Country regulation on peat to be found for ROW eg Peru and Congo.

4

No	Section	PIC	Working title	Note
2	Section 2.1	Arina/ Tey/ Julia/ Jason Foong/ Dr. Shah	What is Peat: Nature and Characteristics of Tropical Peat	Feedback Received from Arina/ Jason Foong/ Julia <i>Updated</i>
	Section 2.2	Arina/ Tey/ Julia/ Jason Foong/ Dr. Shah	Key Monitoring and Management Elements: Cultivating on Peatlands	Feedback received from Arina <i>Updated</i>

Chapter 2- info on subsidence monitoring shifted to chapter 7 ( or maybe chap 3). Section on constraints removed. Revised peat definition based on PLWG decision. Added section on impacts from drainages on peat. Need to prepare a tropical peat soil map and diagram/description for basin peat.

5

No	Section	PIC	Working Title	Note
3	Section 3.1	N/A	Overview: Oil Palm Cultivation on Peatland	
	Section 3.2	Arina/Dr.Shah/ Dr. Gotz	Effective Water Management	Feedback received from Arina/ Dr. Shah/ Gotz <i>Dr. Shah (short write up for water zoning)</i> <i>Dr. Gotz (reservoir during dry season)</i>

Chapter 3- water management + (drainability assessment + rewetting + paludiculture) with inputs by WI; section on water management still need more input especially the drainage design that follow contour and water management structures. Need to decide if to include monitoring of water and subsidence to here or chapter 7

6

No	Section	PIC	Working Title/Content	Note
4	Section 3.3	Dr. Joshua/ Dr. Gotz/ Tey	Adequate and Balanced Fertilization	Feedback received from Dr. Gotz/ Dr Joshua <i>Dr. Joshua provided further input</i>
	Section 3.4	Dr. Joshua/Dr.Gotz/ Tey	Cost-effective and Environment-friendly Integrated Pest and Disease Management	Feedback received from Dr. Gotz/ Dr Joshua

Chapter 4- fertilizer and nutrient management + IPM+ replanting; Dr. Joshua had given his input on this section. Major concern on the description of chemical uses in IPM, may need to shorten it or reduce the focus on chemical and emphasise more on biological /env friendly approaches. Need further inputs from specialists.

7

No	Section	PIC	Working Title	Note
4	Section 3.5	Dr. Joshua/ Dr.Gotz/Dr. Shah	Effective Management of Leaning and Fallen Palms and Weeds	Feedback received from Dr. Gotz <i>Updated</i>
	Section 3.6	Dr.Gotz/Dr.Shah	Replanting Practices	Feedback received from Dr. Gotz <i>Updated</i>
5	Section 4	Dr.Gotz/Richard	Operational Considerations	<i>No feedback yet</i>

Chapter 5- not much changes. Suggestion to remove/merge to chapter 4 the box on "limiting factors of OP cultivation on peat" as duplication of info with fertilizer/ pest and diseases.

8



Annex 7: Results from drainability testing by Bumitama

### Drainability Assessment

Tier 1

Joshua Mathews, Huzri Batubara and Yudi  
Bumitama Gunajaya Agro (BGA)  
Presented on 12-7-2018 Peat Land Working Group Meeting (PUWG)

1

### Drainability Assessment

Work after the skype presentation by  
Wetland International (Dr. Dipa) on  
22/1/2018 in Miri, Sarawak.

BGA Agreed to work on Tier 1 based on the  
available data.

2

### Measured Parameters

Peat Depth ( $D_p$ )

Distance between nearest water body and centroid =  $\Delta X_{Wb}$

Subsidence rate = (S)

Average water level elevation  $Z_{Wb}$

Drainage base =  $Z_{db}$  (m) =  $(Z_{Wb} + (0.0002 \times X_{Wb}))$

Average Elevation = ( $Z_s$ ) (m)

Depth of drainage base =  $D_{db} = Z_s - Z_{db}$

Drainage Limit Time =  $D_{db} \geq D_{db} = D_{db} / S$  (in years)

Drainage Limit Time =  $D_{db} < D_{db} = D_{db} / S$  (in years)

3

### Peat depth (m) $D_p$

4

### Peat depth (m) $D_p$

5

### Land elevation ( $Z_s$ )

6

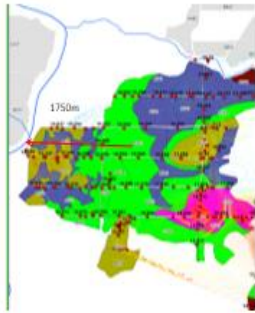
### Elevation measurement

7

### Land elevation ( $Z_s$ )

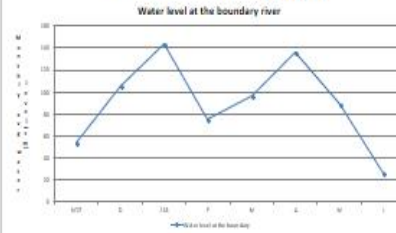
8

Distance to nearest Water body ( $\Delta X_{NWB}$ )



9

Monthly average river water level fluctuation ( $Z_{NWB}$ )



10

Calculation

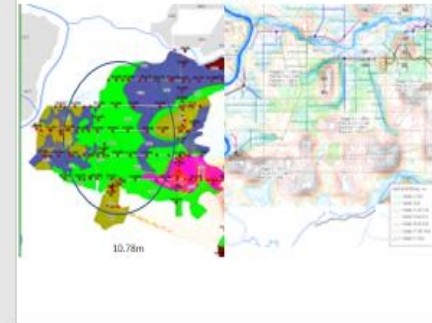
Peat Depth ( $D_1$ )	1.46m
Distance between nearest water body and centroid $\Delta X_{NWB}$	1750m
Subsidence rate (S)	5cm
Average water level elevation $Z_{NWB}$	0.91
Drainage base $Z_b$ (m) ( $Z_{NWB} + (0.0002 \times X_{NWB})$ )	1.26
Average Elevation ( $Z_1$ ) (m)	10.78
Depth of drainage base $D_{10} = Z_1 - Z_b$	9.52
$DLT = D_1 \geq D_{10} = D_{10}/S$ (in years)	
$DLT = D_1 < D_{10} = D_1/S$ (in years)	29.20



11

\*

Land elevation ( $Z_1$ ) Difference between IFSAR and Manual Theodolite



12

Man days of work

No.	Work Type	Total Man days
1	Measuring peat depth	17
2	Installing base reference points	7
3	Theodolite	67
4	Measuring water level in the river	18
	Total	109
	Hectares covered per man day	6.2 Ha

13


Thank you

14

Annex 8: Results from drainability testing by Sime Darby (pending slides



## Annex 9: Updates on SH Standard



**RSPO** | Responsible on Sustainable Palm Oil

# SMALLHOLDERS PROGRAM IN RSPO

Kertijah Abdul Kadir  
Smallholders Program Manager

### SMALLHOLDER STANDARDS

- P&C Review Task Force
- During P&C Review TF2 – smallholder representatives assigned to draft Considerations for SH to include in P&C
- Smallholder Interim Group (SHIG) to P&C TF – tasked to develop simplified approach for smallholder inclusion
- Members of SHIG are mostly SHWG members
- 1<sup>st</sup> draft of SH Standards open for public consultation period since 4<sup>th</sup> June 2018

### SMALLHOLDER STANDARDS 1<sup>st</sup> DRAFT

- 1<sup>st</sup> draft of the RSPO Standard for Smallholder Certification, Support and Inclusion
- Elements on Applicability, Unit of Certification, Eligibility, Principles and Criteria of standards, Continuous Improvement, Assurance & Verification and SH Credits
- Principle 2: Environmental Responsibility, Natural Resource Management and Biodiversity Conservation

Principles	Criteria	Key elements to be incorporated at the indicator level (yet to be developed)

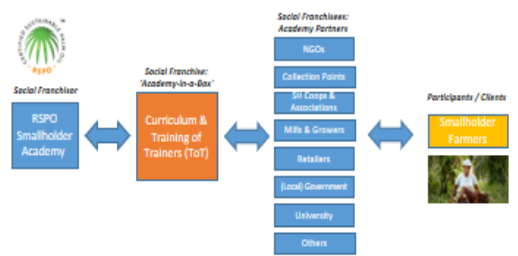
### SMALLHOLDER STANDARDS 1<sup>st</sup> DRAFT

- For existing plot, Criteria 2.2  
Where the certification unit exists on peat, subsidence of peat soils shall be minimized by best management practices, including water management, and ground cover
- Key elements to be incorporated at indicator level
  - RSPO best management practices for oil palm on peat are implemented
  - Need to address the fact that best management practices need to be applied by the group and cannot be done at the individual level only

### SMALLHOLDER STANDARDS 1<sup>st</sup> DRAFT

- For new planting, Criteria 2.5  
There are no new plantings on peat of any depth.
- Key elements to be incorporated at indicator level
  - Farmer commitment

### RSPO SMALLHOLDER ACADEMY



The diagram shows the flow from the RSPO Smallholder Academy (Social Franchiser) to the Curriculum & Training of Trainers (ToT) (Social Franchise: 'Academy-in-a-Box'). This leads to various Social Franchise: Academy Partners including NGOs, Collection Points, SH Groups & Associations, Mills & Growers, Retailers, Local Government, University, and Others. These partners then reach the Participants / Clients, specifically Smallholder Farmers.

## RSPO SMALLHOLDER ACADEMY

### The RSPO SH Academy Package



## RSPO SMALLHOLDER ACADEMY

	Types of Training	Length	Who Trains?	Learner?	Materials used?
<b>Smallholder Program Design Guidance</b>	1. Seminars (as requested) or self-study	1-2 days	Academy staff (over time can be 'licensed' pool of trainers)	SH Program Designer/ Manager	PDG
<b>Group Training</b>	2. Licensing Group Master Training (as requested) or self-study	3-5 days	Academy staff (over time can be 'licensed' pool of trainers)	Person with relevant personal experience	GM/GA curriculum (+ SH curriculum as reference)
	3. Actual Group Training (incl. SH Master Training)	3-6 days	Trained GA/GM trainers from Academy Partners	GA/GMs (incl. SH trainer)	GM/GA curriculum (+ SH curriculum as reference)
<b>Smallholder Training</b>	4. SH Training	1-12 days over 2-52 weeks	SH-trainer	SHs	SH curriculum + handouts



## Terms of Reference

---

### RSPO PLWG2 Smallholder Sub Group

#### 1. Introduction

The first RSPO Peatland Working Group (PLWG) was established in 2010 and operated till late 2012. The objectives of the PLWG were to:

- i. Identify the environmental and social impacts related to oil palm plantations on peatlands.
- ii. Identify best practices (BMPs) for managing oil palm plantations on peat soils in order to minimize GHG emissions and enhance sustainability.
- iii. Identify practical methodologies for assessing and monitoring carbon stocks and key GHG emissions from oil palm plantations established on peat soils; and
- iv. Evaluate options and constraints for the rehabilitation of degraded peatlands.

Five years after the completion of the work of the RSPO PLWG, the 2<sup>nd</sup> Peatland Working Group (PLWG2) was established to update the output of the previous WG and address current issues and concerns pertaining to oil palm (OP) cultivation on peatlands.

During the 5<sup>th</sup> PLWG2 meeting in Kuala Lumpur, Malaysia held on the 5<sup>th</sup>-6<sup>th</sup> of April 2018, the WG found a need to establish the PLWG2 Smallholders Sub Group to further discuss the issues, BMPs and limitations of OP cultivation on peat specifically to Smallholders<sup>1</sup>.

#### 2. Main Purpose

To develop BMP guidance together with its training modules and materials specifically for smallholders in their own language, taking into account both their technical and financial limitations.

#### 3. Scope of Work

- i. Oversee and support the development of the BMP guidance specifically for smallholders' existing OP plantations on peat, which is in line with the SH Standard and building on the revised RSPO BMP manuals for existing OP plantations on peat and BMP manuals for rehabilitation of natural vegetation.
- ii. Support development of the training materials and modules in reference to the developed BMP guidance (SH Academy).
- iii. Develop guidance on alternative use of peatlands: wet agriculture (and other potential use such as fisheries and aquaculture?)
- iv. Reporting of progress of works done to the PLWG2.

---

<sup>1</sup> farmers who grow oil palm, alongside with subsistence crops, where the family provides the majority of labour and the farm provides the **principal source of income**, and the planted oil palm area are less than 50 hectares, or otherwise defined in NI of the respective country

#### **4. Expected Outputs.**

- i. BMP guidance for smallholder cultivation, conservation and paludiculture on peatlands.
- ii. Outreach and capacity development materials for smallholders.
- iii. Inputs related to peat to other RSPO processes related to smallholders (e.g. review of draft material, identification of experts & good management sites etc.)

#### **5. Meeting Frequency**

Members of this sub-group expected to meet once every three to four months.

#### **6. Composition**

It is proposed that the group comprises mainly specialists with experience in working with smallholders and peatland management.

In addition, some independent peatland experts may be invited to join/ provide inputs.

#### **7. Role of secretariat**


Secretariat should support the subgroup and facilitate interactions with the members and stakeholders. The secretariat will also oversee the preparation of commissioned studies and other work. Secretariat will assist in appointing a consultant to develop the BMP manuals and training materials.

#### **8. Active Period**

It is proposed that the subgroup undertakes its work in the period from July 2018 till completion of the outputs of the subgroup.

Annex 11: PLWG budget for FY 2018/2019

## PLWG2 Budget 2018/19




Departmental meeting (April 9 to 11, 2018) 1

1



## Budget & Expenditure FY18/19

B. Code	Description	Budget (RM)	Activity
ER008	PLWG	55,000	Meeting venue & travel arrangements
ER009	Development of BMP (Peat)	376,000	1. Review of existing BMPs on peatland 2. Dev. Of peat drainability assessment guidelines 3. Dev. Of BMPs on peatland for Smallholders
<b>Total</b>		<b>431,000</b>	




Departmental meeting (April 9 to 11, 2018) 2

2

## Activities c/f FY 17/18

Key Activity	Progress
Revised Peat BMPs outreach	<ul style="list-style-type: none"> <li>Completion of revised BMPs (existing plantation &amp; rehabilitation)</li> <li>Design, translation and outreach of revised BMPs</li> </ul>
Peat Drainability Assessment Guidance	Work in progress with Wetlands International (Target completion: Dec 2018)
Sustainability College (Peat/PalmGHG/C7.8)	Script for peat BMP for existing plantation ongoing (Target completion: Dec 2018)
Peatland mapping exercise	<ul style="list-style-type: none"> <li>Comparison of different peat datasets with known peatland areas</li> <li>Analysis of peat on members concession based on most accurate dataset</li> </ul>




Departmental meeting (April 9 to 11, 2018) 3

3

## Upcoming Activities FY18/19

Key Activity	Proposed sub-activities
BMPs for peatland management – Smallholders	<ol style="list-style-type: none"> <li>1. To work with 'SHWG' or SH on developing the Peat manual</li> <li>2. Commencement of PLWG2 SH Sub-group</li> </ol>
Training & communication of BMPs & drainability assessment guidelines	To conduct training on BMPs & drainability assessments for growers
Training & communication of BMPs – Smallholders	To conduct training on BMP for smallholders



Departmental meeting (April 9 to 11, 2018) 4

# THANK YOU

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RSPO will transform markets to make sustainable palm of the world



2