

Minutes of Meeting

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| Topic | IPEWG Zoom Meeting 12 | |
| Day/Date | Tuesday/18 June 2019 | |
| Venue | Zoom Video-link App | |
| Time | 14:30 – 16:30 (JKT Time) | |
| Participant | IPEWG: <ol style="list-style-type: none"> 1. Dr. Ruth Nussbaum 2. Prof Supiandi Sabiham 3. Prof. Susan Page 4. Prof. Chris Evans 5. Prof. Vincent Gauci 6. Prof. Ari Lauren 7. Prof. Dwi Astiani | APRIL: <ol style="list-style-type: none"> 1. Addriyanus Tantra (Sustainability) 2. Timothy Fenton (FiberOne) 3. Luke Espry (Peatland) 4. Yogi Suardiwerianto (Peatland) 5. Adibtya Ashari (Peatland) 6. Sofyan Kurnianto (Peatland) 7. Sabar Siregar (R&D) 8. Budi Riyanto (R&D) 9. Riyadin Hendratno (Environment) 10. Hari Gunawan (Statutory) 11. Ucin Mukhsin (Water Management) |
| Discussion Topic: | | |
| Review action plans and current work streams: <ol style="list-style-type: none"> 1. Fire Briefing Paper: Action: Prof. Susan Page to circulate the draft by end of September prior to next physical meeting Action for physical meeting prep: Session for Sue to present final draft paper 2. Subsidence Paper 2: Action: Prof. Chris Evans to circulate the draft by end of July for inputs and comments aiming to have a final draft to discuss in the next physical meeting Action for physical meeting prep: Session for Chris to present final draft paper 3. GHG Flux Tower: Updates will be done during the next physical meetings. Chris has been working on a flux paper using 30-40 sets of data – mainly high latitude – and could present at the next meeting. Action for physical meeting prep: Chris and Chandra to lead a session on flux towers including international and APRIL results 4. Linking Subsidence, Emissions and Decomposition: Useful to have further discussions on subsidence, emissions and decomposition. Prof. Dwi Astiani offered to lead a session at the next physical meeting where she can share her work on this topic and Prof Supiandi can discuss findings on the ratio between decomposition and subsidence. Action for physical meeting prep: Prof Dwi to coordiante and lead a session with inputs from Prof Supiandi and other relevant IPEWG/APRIL scientists 5. Plantation Simulator Model Paper: The outline of paper 1 has been shared, and focuses on the nutrition aspect (how to maintain production when raising WT). Data needs from APRIL are expected to be limited to inventory and rainfall data so should not be difficult to agree. Prof. Ari Lauren will agree the best sites (to align with subsidence data) with Chris and then send a detailed request on data that will be required from APRIL for this paper to Craig and Addriyanus. Action: Ari to send data request to APRIL by end of June and circulate draft by end of September Action for physical meeting prep: Session for Ari to present final draft paper 6. RER conservation and peat dynamics: Prof. Susan Page informed the group that Professor Sanjay Swarup from the Biological Sciences department at NUS, who is currently in communication with | | |

APRIL for Research Partnership, might be also interested about re-vegetation in RER aside from Lysimeter and High Water Table Trial. Tim Fenton confirmed that there is already communication with the professor and that APRIL will keep IPEWG informed.

7. Additional Discussions:

Addition of session in the next physical meeting about the wider research activities that are currently on going by IPEWG members and APRIL

APRIL's updates to IPEWG:

1. **Hydrology Modelling:** An update was provided by APRIL. The measurement methodology of LAI will be further discussed during the next physical meeting.
2. **Lysimeter:** An update was provided by APRIL. In the subsequent discussion, it was suggested by Prof. Supiandi Sabiham, to also monitor the water chemicals in the outlet of Lysimeter plots. Prof. Dwi Astiani also re-emphasized again about the need to also monitor the water's carbon composition in the water.
3. **High Water Table Trial:** An update was provided by APRIL staff. In the subsequent discussion it was agreed that there will be a need to monitor the comparison between data in Dry Season to the data in Wet Season at the Trial Site. For now, APRIL only have the data for Wet Season, but before the next physical meeting, APRIL should be able to collect some data for Dry Season. There was also a brief discussion of an audit carried out by John Bathgate – issues raised and addressed will be discussed at the physical meeting.
4. **Native Species Trials:** An update was provided by APRIL staff. The annual research plans have been updated to IPEWG and there will be a more detailed discussion on the next physical meeting between IPEWG and R&D to specifically discuss about the related wider researches from R&D. This will include more discussion of links to microbial research.
5. **Flood Risk Modelling;** This will be covered in more detail on the next physical meeting.

Action for physical meeting prep: Prepare workshop session for in depth updates and discussion on ongoing research to complement the specific topics identified above.

6. **Regulatory Update:** There has been a significant further adjustment to requirements for plantations on peat through the most recent regulation. The resulting RKU shows that there will be no peak peat dome overlapping with APRIL's plantatable area. The Water Table must still be kept at 40 cm in the Government designated measurement plot area. The requirement for a maximum peat depth of 3m also remains unchanged. One of the requirements is to have better information on peat depth – a study is now being undertaken by the University of Riau. It may be interesting to understand more of what the University is doing.

Action for physical meeting prep: Consider inviting one or more scientists from Riau University to discuss their ongoing work

Wider engagement

1. Engagement with local “Technical Community”:

- a) Prof. Supiandi Sabiham and Prof. Fahmudin Agus will try to arrange and facilitate a small local workshop in Kerinci to engage with local scientists on technical issue (probably the 40cm WT depth discussion). It was agreed that this will not touch on policy or regulatory issues as APRIL/IPEWG is not the right convener for such discussions. IPEWG/APRIL workshops should only be technical scientific discussion.
- b) It is proposed to include other companies through the “Green District” initiatives and also local research communities, for example from University of Riau.

Action: Prof Supiandi, Dr Fahmuddin Agus and Dr. Ruth Nussbaum will discuss further about this workshop with APRIL Management

2. Meetings and workshops:

- a) Chris attended an FAO-convened meeting on peatland monitoring in Rome. It also included BRG, MinEnv, WRI, CIFOR and others. He will provide a further update on any outcomes or follow up at the physical meeting
- b) Ruth updated on development of Landscape Initiatives in both Siak and Pelalawan districts, supported by the new Governor of Riau who has stated his aim to be a ‘green governor’ and so be supportive of green district initiatives. APRIL is already engaging, and are encouraged to continue to build this engagement.

Action for physical meeting prep: Agreed to discuss further options for collaboration with local initiatives and communities at the next physical meeting.