

Online Webinar 2

Exploring criteria and indicators for tropical peatland restoration



Photo by Faizal, Abdul Aziz, CIFOR

Biophysical Attributes and Peatland Fires

 **14 OCT**
2020

 **02.00 pm**
(GMT+7)

Organized by:



Background

Indonesian peatlands, including peat swamp forests, comprise 36% of the world's tropical peatlands. Indonesia has one of the largest extents of tropical peatlands globally, and these peatlands provide numerous ecosystem services including their ability to slowly sequester and store carbon. Despite their important benefits, Indonesian peatlands have faced deforestation and drainage since the 1980s, mainly for forestry and agriculture purposes.

Greenhouse gas (GHG) emissions caused by peatland degradation and fires, place Indonesia among the top five emitter countries. In its Nationally Determined Contribution (NDC) under the Paris Agreement, Indonesia has committed to restoring

more than 2 Mha of degraded peatland area to prevent GHG emissions. However, peatland restoration needs to be underpinned by monitoring efforts that allow an adaptive approach. Peatland monitoring, guided by science-based practice, can enhance the transparency and accountability of the reporting process, and hopefully ascertain higher degree of success in those efforts.

One approach for monitoring peatlands and its restoration involves use of criteria and indicators (C and I) that are easy to recognize, measure and monitor over time and are also locally relevant. Identified C and I should cover four aspects: (1) biophysical, (2) social, (3) economic, and (4) governance. This allows restoration targets to be adequately quantified, and the success measured.

Goals and Objectives

CIFOR, in collaboration with, BRG and other partners, such as the Food and Agriculture Organization of the United Nations (FAO), UN Environment Programme World Conservation Monitoring Centre (UNEP-WCMC) and Global Peatlands Initiative (GPI), aims to facilitate the learning process and share knowledge on this topic through a series of online workshops.

These online workshops will facilitate consultation with stakeholders to identify an initial set of C and I with necessary attributes to assess restoration success, while being contextually relevant to areas where applied.

Following on the heels of successful [Webinar 1](#) where these important topics were discussed, 2nd webinar in the series is planned for 14 Oct, 2020.

Webinar 2 will facilitate important discussions on biophysical aspects of peatland conditions such as hydrology (water balance), greenhouse gases emissions (due to land use and land cover change and degradation) and impacts of fire.

The **subsequent consultative workshops** (in this series) will aim at:

- Discussing socio-economic, livelihoods and governance issues pertaining to peatlands

- Conceptualization, design and implementation of frameworks to finalize restoration C and I.
- Determination of the roles and responsibilities of all participating agencies and experts in identifying, testing and finalizing C and I for peatland restoration.

In addition to these consultative workshops, a writing workshop is planned to produce and disseminate a set of C and I.

To conclude, a final webinar will be organized for a wider audience, including ITPC member countries to disseminate the results.

Expected Outputs

- Set of validated C and I to monitor and assess peatlands restoration success
- Participants familiarized with validated C and I
- Knowledge exchanged, through discussions on scientific ways to use a C and I approach to monitoring and evaluation of peatland restoration.

Background Materials

A summary of existing resource material and relevant documents are available at

<https://www2.cifor.org/swamp/exploring-criteria-and-indicators-for-tropical-peatland-restoration/>



Date, Venue and Agenda

The second event will be organized online as Zoom webinar on **14 October 2020**.

Time (Jakarta time)	Agenda	Speaker	Chair / moderator
02.00 – 02.30 pm	Opening Session Introduction Welcome remarks and Summary of the First Webinar Keynote address: Principle, Criteria, and Indicators – how to make them reliable for adaptive natural resource management	Haris Gunawan <i>Deputy Head of Peatland Restoration Agency</i> Ravi Prabhu <i>Director Innovation, Investment and Impact, CIFOR-ICRAF</i>	Daniel Murdiyarso <i>(CIFOR)</i>
02.30 – 3.00 pm	Session 1: Climate, soil, water, and GHGs <ul style="list-style-type: none"> Identifying core biophysical criteria and indicators for peatland monitoring and research Monitoring tropical peatlands GHG emissions: Is current specific knowledge sufficient to identify easily measurable and reliable proxies? A framework for restoring degraded tropical peat swamp forests 	Mark Reed <i>Newcastle University, UK</i> Kristell Hergoualc’h <i>CIFOR</i> Gusti Anshari <i>Tanjungpura University, Pontianak</i>	Rupesh Bhomia <i>(CIFOR)</i>
03.00 – 03.10 pm	Discussions		
03.10 – 03.30 pm	Session 2: Towards criteria and indicators for fire risks and control <ul style="list-style-type: none"> Peatland hydrological drought and fire risk assessment in changing climate Mapping fire: Can spatially explicit criteria and indicators be developed? 	Muh Taufik <i>IPB University, Bogor</i> Solichin Manuri <i>Daemeter Consulting, Bogor</i>	Rupesh Bhomia <i>(CIFOR)</i>
03.30 – 03.45 pm	Discussions		
03.45 – 4.00 pm	Closing remarks		Daniel Murdiyarso <i>(CIFOR)</i>



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