

# AGENDA

## TROPICAL PEATLAND EXCHANGE

Bogor, 8 August 2018

Network name:  
CIFOR WIFI



[cifor.org/event/tropical-peatlands-exchange-2018](http://cifor.org/event/tropical-peatlands-exchange-2018)



### Background

Although the global area of tropical peat swamp forests is disproportionately small, they are very important ecosystems in the global carbon cycle as they store the largest carbon stocks per unit area on earth. Yet, these ecosystems experience high rates of deforestation and degradation causing enormous greenhouse gas (GHGs) emissions. Peatlands also provide numerous ecosystem services ranging from flood control and climate risk reduction, habitat for rare and endangered species, storehouse of biodiversity, provision of wood and other non-timber

forest products, ecotourism, and income and livelihoods for peatland-dependent communities, including women.

Indonesian peatlands have been facing tremendous pressure in the last three decades causing extensive degradation, uncontrolled fires and large amount of GHG emissions. The overall degradation is chipping away at livelihoods and weakens the social cohesion of the communities in those areas. To reverse these trends, in 2016 the government of Indonesia took an important step by forming the Peatland Restoration Agency, which is tasked to restore degraded peatland by up to 2 million hectares by 2020.



RESEARCH PROGRAM ON  
Forests, Trees and  
Agroforestry



USAID  
FROM THE AMERICAN PEOPLE



Norad



Global Landscapes  
Forum

08.00-08.30	<b>Registration</b>	
08.30-09.00	<b>Opening</b> Room: Amazon  <b>1. Introduction</b> <b>2. Welcoming and opening remarks</b> <ul style="list-style-type: none"> <li>• Robert Nasi, Director General, CIFOR</li> <li>• Nazir Foead, Head, Peat Restoration Agency (BRG)</li> <li>• Agus Justianto, Director General, FOERDIA</li> </ul>	Daniel Murdiyarso, CIFOR
09.00-10.30	<b>Panel 1 - National Exchange</b> Room: Amazon Moderator: Christopher Martius, CIFOR      Rapporteur: Meli Saragi-Sasmito, CIFOR  Resource persons: <ol style="list-style-type: none"> <li>1. <b>Emma Rachmawaty</b>, KLHK. <i>The role of peatland in achieving national target of NDC</i></li> <li>2. <b>Dharsono Hartono</b>, RMU. <i>Finding a solution to integrate REDD+ projects' performance into a system that supports the achievement of Indonesia's NDC as required by the Paris Agreement</i></li> <li>3. <b>Sri Parwati Murwani Budisusanti</b>, KLHK. <i>Implementing policies and strategies for sustainable peatland management</i></li> <li>4. <b>Arief Darmawan</b>, UniLa. <i>Will One Map Policy accelerate peat land restoration?</i></li> </ol>	<b>Points of discussion:</b> <ul style="list-style-type: none"> <li>• Regulatory framework around peatland, climate change mitigation under the Paris Agreement</li> <li>• Implications for carbon projects in peatlands restoration; project and jurisdictional approaches</li> <li>• Progress on data quality control and one-map policy to support socio-economic and socio-ecological responses</li> <li>• How 29% emission reduction targets will be achieved through peatland conservation/restoration strategies?</li> </ul>
10.30-11.00	<b>Coffee Break</b>	
11.00-12.30	<b>Parallel Session 1a - Peatland and climate change</b> Room: Amazon Moderator: Kristell Hergoualc'h, CIFOR      Rapporteur: Sigit D. Sasmito, CIFOR  Resource persons: <ol style="list-style-type: none"> <li>1. <b>Fahmuddin Agus</b>, BBSLDP. <i>Water table dynamics, subsidence and CO2 emission from peat decomposition</i></li> <li>2. <b>Imam Basuki</b>, Winrock Intl. <i>Assessing emission factor from deforestation and forest degradation in tropical peatland: Experiences from West Kalimantan and Riau Provinces</i></li> <li>3. <b>Taryono Darusman</b>, RMU. <i>The uncertainty of GHGs emission from rewetted tropical peatland and a way forward to improve the data quality and quantity</i></li> <li>4. <b>Meli Saragi-Sasmito</b>, CIFOR. <i>Carbon dynamics in restored tropical peat swamp forests</i></li> <li>5. <b>Solichin Manuri</b>, Daemeter. <i>Defining reference level for emissions and removals in peatlands</i></li> </ol>	<b>Points of discussion:</b> <ul style="list-style-type: none"> <li>• Capacity in assessing GHG emissions from peatland deforestation and degradation.</li> <li>• Towards improving uncertainty and data quality</li> <li>• GHG accounting and emission factors</li> <li>• Activity data and emission factors to develop Reference Level for peatland restoration</li> <li>• How significant is including fire events in the Reference Level? What does it imply?</li> </ul>
	<b>Parallel Session 1b - Peatland hydrology and subsidence</b> Room: Bulungan Moderator: Gusti Anshari, Untan      Rapporteur: Bayu Hanggara, CIFOR  Resource persons: <ol style="list-style-type: none"> <li>1. <b>Sofyan Kurnianto</b>, RAPP. <i>Hydraulic properties on the different land cover types of tropical peatlands</i></li> <li>2. <b>M. Taufik</b>, IPB. <i>Role of hydrology on controlling wildfire in humid tropics</i></li> <li>3. <b>Adi Jaya</b>, UnPar. <i>Surface elevation changes of tropical peatland under different land covers and hydrological conditions</i></li> <li>4. <b>Albertus Sulaiman</b>, BPPT. <i>Development of real time water table monitoring system</i> Albertus Sulaiman</li> <li>5. <b>Dipa Satriadi Rais</b>, Wetlands Intl. <i>Managing peat hydrology for restoration and conservation in the context of subsidence and fire avoidance</i></li> </ol>	<b>Points of discussion:</b> <ul style="list-style-type: none"> <li>• Peat hydrology unit: how is it defined?</li> <li>• Understanding the characteristics of peat landscape and hydrological units</li> <li>• Impacts of excessive drainage on GHG emissions, land subsidence</li> <li>• Drought hydrology and fire susceptibility</li> <li>• How early warning and fire risks should be built around adaptation measures?</li> </ul>



12.30–13.30	<b>Lunch</b>	
13.30-15.00	<p><b>Panel 2 - Sub-national exchange</b> Room: Amazon</p> <p>Moderator: Alue Dohong, BRG      Rapporteur: Iska Lestari, IPB</p> <p>Resource persons:</p> <ol style="list-style-type: none"> <li>1. <b>Rezal Kusumaatmaja</b>, RMU. <i>From Projects to Jurisdiction: Thinking out of the box to implement Warsaw framework and Paris Agreement on the ground</i></li> <li>2. <b>Arif Budiman</b>, Winrock Intl. <i>Enhancing capacity to reduce GHG emissions from peatlands and palm oil production within a jurisdictional framework</i></li> <li>3. <b>Satrio Wicaksono</b>, WRI. <i>The making of Peat Ecosystem Restoration Plan (RREG) and Annual Action Plan (RTT): Lessons learned from South Sumatra</i></li> <li>4. <b>Nyoman Iswarayoga</b>, RER. <i>Community involvement in protecting peatland ecosystem restoration in Kampar Peninsula</i></li> </ol>	<p><b>Points of discussion:</b></p> <ul style="list-style-type: none"> <li>• Experiences of Regional Peat Restoration Teams (TRGD) from priority provinces</li> <li>• Opportunity and challenges to meet the restoration objectives.</li> <li>• What are the gaps in national and sub national status and capacity? How science can help?</li> </ul>
15.00-15.30	<b>Coffee Break</b>	
15.30-17.00	<p><b>Parallel Session 2a - Peatlands and Ecosystem Services</b> Room: Amazon</p> <p>Moderator: Darmawan Liswanto, Yayasan Titian Lestari      Rapporteur: Yohanes Ginting, IPB</p> <p>Resource persons:</p> <ol style="list-style-type: none"> <li>1. <b>Agus Utomo</b>, Burung Indonesia. <i>Delivering ecosystem service through peatlands conservation and restoration</i></li> <li>2. <b>Suci Azwar</b>, UnNas. <i>Orangutan value for peat swamp: Facts, challenge and future</i></li> <li>3. <b>Donny Gunaryadi</b>, FFI. <i>Saving Sumatran elephant: challenges and opportunity</i></li> <li>4. <b>Andjar Rafiastanto</b>, BIJAK. <i>Life Support system for biodiversity and community</i></li> <li>5. <b>Ahmad Muhammad</b>, UnRi. <i>Exploitation of peat swamp forest remnants : a case study from Kepulauan Meranti district, Riau Province</i></li> </ol>	<p><b>Points of discussion:</b></p> <ul style="list-style-type: none"> <li>• Challenges in conserving and valorizing the biodiversity of peatlands, biosafety, and bioprospecting</li> <li>• Roles of micro/macro flora and fauna, including charismatic species</li> <li>• Valuation of ecosystem services provided by peatlands: beyond species conservation</li> <li>• How benefit sharing may be promoted among stakeholders, including forest-dependent community especially women</li> </ul>
	<p><b>Parallel Session 2b - Community engagement for peatlands conservation and restoration</b> Room: Bulungan</p> <p>Moderator: Suyanto, ICRAF      Rapporteur: Trilaksita Ardhani, IPB</p> <p>Resource persons:</p> <ol style="list-style-type: none"> <li>1. <b>Hesti Lestari Tata</b>, FOERDIA. <i>Community engagement in peatland restoration: Opportunities and challenges</i></li> <li>2. <b>Herry Purnomo</b>, CIFOR. <i>Business models for sustainable community livelihoods in peatland</i></li> <li>3. <b>Endri Martini</b>, ICRAF. <i>Sustainable livelihood options in peat areas across varying local contexts</i></li> <li>4. <b>Anna Sinaga</b>, BRG.</li> <li>5. <b>Moiria Moeliono</b>, CIFOR. <i>Governance of peatland as part of a mosaic landscape: a case from Kapuas Hulu</i></li> <li>6. <b>Rony Megawanto</b>, Kehati. <i>KEHATI's Experience in Peatlands Management</i></li> </ol>	<p><b>Points of discussion:</b></p> <ul style="list-style-type: none"> <li>• Opportunities and challenges of improving community livelihoods</li> <li>• Participation of local community in protection and restoration of peatlands</li> <li>• How women and men should be involved in decision-making for the economy of the family?</li> </ul>
17.00-17.30	<p><b>Summary and way forward</b> Room: Amazon</p> <p>Facilitator: Daniel Murdiyarso, CIFOR      Rapporteur: Taryono Darusman, RMU</p>	



## Goal and objectives

The overall goal of the event is to facilitate communication and exchange of information between all stakeholders concerned with the sustainability of tropical peatlands. The Exchange is key to evaluate the progress of current strategies and actions and determine the way forward. The Exchange is designed to have the following specific objectives:

- To update participants on the progress of science in generating factors needed for greenhouse gas accounting under sustainable tropical peatland management in the context of the Paris Agreement and Nationally Determined Contributions
- To share new knowledge and experiences around the implementation of peatland restoration at all levels and discuss how they meet their multiple objectives
- To understand the importance of public-private partnership for the benefit of people and the environment by enhancing the values of ecosystem services, gender influences and equity among stakeholders around peatlands conservation and restoration

## Program

The exchange nature of the program should allow for flow of information and discussions around the following areas:

- Regulatory framework around the Paris Agreement and Nationally Determined Contributions (NDC); relating peatland restoration to the NDC processes

- Progress and challenges at sub national and project levels; enabling environment to monitor, report and verify carbon project implementation on the ground
- Advancement of science in assessing GHG emissions, peat hydrology, fire risks, and provision of ecosystem services
- Engagement with private sector, local community with gender sensitivity in peatland restoration in the context of climate goals

## Date and Venue

The exchange will be held at CIFOR Campus, Bogor on Wednesday 8 August 2018

## Expected outputs

- Enhanced network of the peatland like-minded
- Improved knowledge of the current progress in scientific and policy spheres concerning the roles of peatlands in climate change mitigation and adaptation to achieve sustainable development goals
- Improved lessons learned from peatland degradation, protection and restoration in Indonesia and possible considerations for other regions such as the Congo Basin and the Amazon
- Recommendations for the establishment of an international center of excellence for tropical peatland research

Photos: Peatland forest in Parupuk village, Katingan, Central Kalimantan. | Photos by Nanang Sujana/CIFOR

[cifor.org](http://cifor.org)

[forestsnews.cifor.org](http://forestsnews.cifor.org)



### Center for International Forestry Research (CIFOR)

CIFOR advances human well-being, equity and environmental integrity by conducting innovative research, developing partners' capacity, and actively engaging in dialogue with all stakeholders to inform policies and practices that affect forests and people. CIFOR is a CGIAR Research Center, and leads the CGIAR Research Program on Forests, Trees and Agroforestry (FTA). Our headquarters are in Bogor, Indonesia, with offices in Nairobi, Kenya, Yaounde, Cameroon, and Lima, Peru.

