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BLUE CARBON DIALOGUE

From science-based policy to implementation

Tuesday, 20th February 2024

Global Forestry Hall, CIFOR, Bogor and Online

Background

Knowing that blue carbon ecosystems, including mangroves, seagrass meadows and saltmarshes are capable of sequestering and storing more carbon than terrestrial forests, they have attracted global attention, notably in climate change mitigation and adaptation. As home of around 17% of global blue carbon stock, Indonesia has a great opportunity to conduct international trading of carbon credits from its coastal ecosystems.

To implement the Paris Agreement, Indonesia has committed to reducing greenhouse gas (GHG) emissions, as outlined in its nationally determined contribution (NDC). Presidential Regulation No. 98/2021 on Implementation of Carbon Economic Value (NEK) was enacted to help the country achieves its emissions reduction targets. This was followed by Minister of Environment and Forestry Regulation No. 21/2022 on Technical Guidelines for Indonesia Emissions Reduction Certification (SPEI). In addition, the Government of Indonesia has launched the Indonesia Carbon Exchange (IDXCarbon) to provide markets for trading of carbon credits to accelerate carbon emission reduction, and achieve net-zero emissions by 2060 or earlier.

Stakeholders, including non-state actors, private sector, business and coastal communities, are interested in taking the opportunities to invest and develop blue carbon projects in Indonesia – the largest host of mangroves in the world. However, they have yet to understand how SPEI, NEK and IDXCarbon will be

operationalized and enable them to participate in blue carbon projects. This will eventually speed up the process to achieve country's net zero emissions (NZE) in 2060 or earlier.

The CIFOR-ICRAF **Transformative Partnership Platform: Blue Carbon Deck** team, in collaboration with the Ministry of Environment and Forestry, Ministry of Marine Affairs and Fisheries, IPB University, the Indonesian Academy of Sciences (AIPI), and Indonesian Mangrove Society (IMS) organizes an open dialogue as a platform to facilitate exchange knowledge and experiences. It is expected that the challenges and barriers to implement projects on the ground may be removed and multi-stakeholder partnerships are promoted.

Objectives

The dialogue is designed to achieve the following objectives:

- Promote the role of Blue Carbon Deck as the platform for mutually beneficial partnership among actors interested in managing blue carbon ecosystems,
- Familiarize with the mechanisms and procedures of blue carbon project development, with particular attention to policy, regulatory framework and methodologies
- Explore the investment and business opportunities leading to the blue carbon credit trading mechanism in Indonesia; taking into account the national commitments and agenda.



Time, venue, and dialogue format

The dialogue, which will take place in hybrid format (in person and via Zoom) will use Bahasa Indonesia and English simultaneously. It will be held on 20 February 2024 at the Global Forestry Hall, CIFOR-ICRAF campus in Bogor. The detailed agenda is as follow:

Time	Speakers	Scope
Opening Session		
MC: Trialaksana Sari Priska Ardhani		
09.00-10.00 (60 minutes)	Daniel Murdiyarso <i>Principal Scientist CIFOR-ICRAF</i>	<ul style="list-style-type: none"> Introduction to the dialogue (<i>setting the scene</i>) Background and expected outputs
	Opening remarks - Alue Dohong <i>Vice Minister of Environment and Forestry</i>	<ul style="list-style-type: none"> Mangrove blue carbon in the global debates and national interests The urgency of partnership in blue carbon project in Indonesia
	Keynote address – Arif Satria <i>Rector, IPB University</i>	<ul style="list-style-type: none"> IPB University and its <i>Agro-maritime</i> research flagship Enhancing blue carbon research capacity and scientific credibility
	Keynote address – Harkristuti Harkrisnowo <i>Vice President, Indonesian Academy of Sciences (AIPI)</i>	<ul style="list-style-type: none"> Promoting science in public policy-making Ensuring the alignment of science for the benefit of human well-being
	Opening address and declaration – Robert Nasi <i>Director General, CIFOR</i> <i>Chief Operating Officer, CIFOR-ICRAF</i>	<ul style="list-style-type: none"> 30+ years working with the government and people of Indonesia. <i>Generating evidence-based knowledge</i>
10.00-10.30	Coffee break	
Session 1: Policy (Panel Discussion)		
Moderator: Damayanti Buchori AIPI and Professor, Faculty of Agriculture, IPB University		
10.30-12.00 (90 minutes)	Panelists:	
	Laksmi Dhewanthi <i>Director General of Climate Change, Ministry of Environment and Forestry (MoEF)</i>	<ul style="list-style-type: none"> Managing Carbon Economic Value (NEK) Licensing blue carbon project development Administering the Indonesian Emission Reduction Certificate (SPEI)
	Hartono Prawiraatmadja* <i>Head of Peatland and Mangrove Restoration Agency (BRGM)</i>	<ul style="list-style-type: none"> Challenges and opportunities for mangrove rehabilitation and conservation Landscape approach and roles of field school for coastal community
	Luky Adrianto <i>Professor, Faculty of Fisheries and Marine Science, IPB University</i>	<ul style="list-style-type: none"> Seagrass research in Indonesia Validation of seagrass ecosystem carbon balance
	Muhamad Yusuf <i>Director of Marine Spatial and Small Islands, Ministry of Marine Affairs and Fisheries (MMAF)</i>	<ul style="list-style-type: none"> Seagrass opportunities for climate mitigation Threats and vulnerability of small islands
	Joko Tri Haryanto <i>Executive Director of Indonesian Environment Fund (IEF)</i>	<ul style="list-style-type: none"> Managing Indonesian Environmental Fund Climate change project funding schemes Financial stream of carbon credit trading for blue carbon ecosystems

Time	Speakers	Scope
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12.00 – 13.00 Lunch

Session 2: Science (Presentation)

Moderator: I. Nyoman Suryadiputra
Indonesian Mangrove Society (IMS)

13.00 – 14.30
(90 minutes)

Presenters:

Rizaldi Boer

Professor, Faculty of Mathematics and Natural Sciences, IPB University

Moritz von Unger

Policy Director, Silvestrum Climate Associates

Sigit D Sasmito

Researcher, TropWATER, James Cook University

Virni Budi Arifanti

Scientist, National Research and Innovation Agency (BRIN)

Udhi Eko Hernawan

Director of Research Centre for Oceanography, National Research and Innovation Agency (BRIN)

- National emission reduction targets and research contributions in Indonesia
- Reporting and verification systems of national GHG inventories
- Implications of global methodology adoption
- Blue carbon project development: Bridging regulation and methodologies
- Potential locations for mangrove restoration
- Interactive monitoring and evaluation for mangrove restoration
- Advancement in blue carbon assessment in Indonesia:
 - mangrove
 - seagrasses
 - microalgae

14.30 – 14.45 Coffee break

Session 3: Share the Experience (Panel Discussion)

Session 3a: Institutional and social aspects

Moderator: Rudhi Pribadi
Faculty of Fisheries and Marine Science, Diponegoro University (UNDIP)

14.45 -15.45
(60 minutes)

Yudi Amsoni

Indonesian Mangrove Society (IMS)

Himlal Baral

Senior Scientist, CIFOR-ICRAF

Lely Puspitasari

ELTI Program Indonesia Coordinator, Blue Forest Foundation

Muhammad Ilman

Director of Indonesia Ocean Program, Yayasan Konservasi Alam Nusantara (YKAN)

Ervina Wahyu

Dean of Faculty of Agriculture and Fisheries, University of 17 Agustus 1945 Banyuwangi

- Experience in institutionalizing community-based blue carbon projects
- Identification of community agenda related to blue carbon management
- Dynamics of blue carbon ecosystem management at the local level
- Issues around land tenure and status



Time	Speakers	Scope
Session 3b: Economy, Investment and Business Moderator: Sonny Mumbunan Director, Center for Climate and Sustainable Finance, University of Indonesia		
15.45 -16.45 (60 minutes)	<p>Eko Budi Priyanto <i>Coordinator of Community Development, Wetlands International Indonesia</i></p> <p>Mulia Nurhasan <i>Scientist, CIFOR-ICRAF</i></p> <p>Cyprianus Nugroho Sulistyo Priyono <i>Head of Community Business Development Working Group, Peatland and Mangrove Restoration Agency (BRGM)</i></p> <p>Fairus Mulia <i>Managing Director, PT. Solusi Alam Indonesia</i></p> <p>Herry Purnomo <i>Director of Indonesia Country Programme CIFOR-ICRAF</i></p>	<ul style="list-style-type: none"> • Blue carbon ecosystems and their benefits for livelihoods of coastal community • Business models for sustainable mangrove rehabilitation • Engaging potential investors and financiers in the community-based blue carbon projects
16.45-17.00	The way forward and closing remarks	

More information and registration:
bit.ly/BLUECARBON20



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