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National Dialogue

Mangrove and Blue Carbon Business Model for Climate Benefits and Empowering Communities



17 December 2024
09.00–16.15 Western Indonesia Time (WIB)
Singosari Room, Borobudur Hotel, Jakarta

Background

Indonesia holds 21% of the world's mangroves (Leal and Spalding 2024) with 3.14 billion tons of carbon stock potential (Murdiyarso et al. 2015), making it a significant contributor to the national climate target as well as when applying a blue carbon business model. The previous Blue Carbon Dialogue was held by CIFOR-ICRAF in February 2024, and suggested that along with its potential, its credibility and accountability are key to supporting the implementation of high-quality blue carbon projects, as well as coastal community involvement.¹

It was estimated that at least 1,511 villages are in coastal areas (BPS 2023), and that more than 1.3 million people living in coastal communities who depend on coastal natural resources are categorized as poor.² Thus, as part of the coastal ecosystem, mangroves not only need to be protected for climate change mitigation, but also to maintain their roles for coastal communities' livelihoods (Koh et al. 2018). Livelihood development for economic equality and poverty alleviation at the village level has been prioritized by the new government as mentioned in the eight targeted goals.³ Findings from the previous dialogue emphasized the importance of the socio-economic impacts of the blue carbon projects. Moreover, CIFOR-ICRAF works on a community-based mangrove restoration business model and has shown the importance of community roles in successful ecosystem management and the potential socio-economic benefits from its implementation.

It was estimated that 84% of mangroves in Indonesia are outside protected areas (Napitupulu et al. 2022).

- 1 [Blue Carbon Dialogue: From science-based policy to implementation - CIFOR-ICRAF Knowledge](#)
- 2 <https://www.kominfo.go.id/berita/berita-pemerintahan/detail/pemerintah-targetkan-hapus-kemiskinan-ekstrem-di-wilayah-pesisir>
- 3 [Asta Cita – Eight targeted goals of Prabowo-Gibran](#)

Alongside communities, various stakeholders are involved in management and governance (Kusumadewi et al. 2024; Ayostina et al., 2024). Thus, the mangrove and blue carbon business model should be designed based on the involved stakeholders, i.e., the public sector, private sector or communities, while also considering the generation of non-carbon benefits, especially for the coastal communities that live near the mangrove areas.

In collaboration with the National Research and Innovation Agency (BRIN), CIFOR-ICRAF and its Transformative Partnership Platform of the Blue Carbon Deck, organized a national dialogue to discuss the business model for mangrove and blue carbon enterprises, especially in Indonesia.

Objectives

The objectives of this event are:

1. To introduce various business models for inclusive and impactful mangrove and blue carbon, e.g., community-based, public-private-community partnerships, etc.
2. To bridge the science, policy and practices for the implementation of mangrove and blue carbon business models in Indonesia that contribute to benefitting climate change mitigation and people.

Target participants

The target participants for this event include policymakers, practitioners, researchers, non-governmental organizations (NGOs), the private sector and civil society involved in mangrove management in Indonesia.

Agenda

The event will be delivered in English and Bahasa Indonesia with back-to-back interpretation services. There will be three sessions: 1) Opening session; 2) Morning session; and 3) Afternoon session. This event will be held in a hybrid setting, live from the venue in Jakarta on Tuesday, 17 December 2024.

MC: Dyah Puspitaloka and Angga Pratama Putra (CIFOR-ICRAF)

Time (WIB)	Agenda
08.30–09.00	Arrival, registration, and coffee break (30')
Opening session	
09.00–09.15	<p>Opening and welcome remarks (15')</p> <ol style="list-style-type: none"> Robert Nasi, Director General of CIFOR and Chief Operating Officer CIFOR-ICRAF Laksana Tri Handoko, Chairman of National Research and Innovation Agency (BRIN) of the Republic of Indonesia <i>Represented by Deputy Chairman for Development Policy, Mego Pinandito</i> Shruthi Kumar, Associate Director of Programmes, Sustainability and Climate Team at Temasek Foundation, Singapore
09:15–09:30	<p>Introduction (15')</p> <p>Videos showing:</p> <ol style="list-style-type: none"> CIFOR and BRIN cooperation for the International Research Collaboration Center for Tropical Forestry and Environment Action research by CIFOR and partners on community-based mangrove restoration <p>Led by:</p> <ol style="list-style-type: none"> Herry Purnomo, Director of CIFOR Indonesia & Senior Scientist Asep Hidayat, Head of Ecology and Ethnobiology Research Center, National Research and Innovation Agency (BRIN)
Morning Session: Mangrove and Blue Carbon for Ecosystem and People	
09.30–10.15	<p>Keynote speech (45')</p> <ol style="list-style-type: none"> Raja Juli Antoni Minister of Forestry of the Republic of Indonesia Topic: Inclusive Mangrove Restoration and Conservation in Indonesia (20') <i>Represented by Director General for Watershed Management and Forest Rehabilitation, Dyah Murtiningsih</i> Amanda Katili Niode Director, The Climate Reality Project Indonesia Topic: Blue Carbon for Indonesia Climate Agenda (20')
Group photo session	
10.15–11.45	<p>Dialogue session 1 (90'):</p> <p>Community-based Mangrove Business Model for Livelihoods and Climate Benefit</p> <ol style="list-style-type: none"> How do we involve the community in mangrove restoration and conservation – from policy perspective? What kind of business models exists for community-based mangrove restoration and conservation? What the real benefit and how much, that community already received from mangrove and blue carbon business – can it improve their livelihoods? How much carbon restored and conserved (ton CO²e) from the existing business model? <p>Moderator: Nina Melinda</p> <p>Speakers:</p> <ol style="list-style-type: none"> Mahfudz, Director General of Social Forestry, Ministry of Forestry of the Republic of Indonesia Andes Hamuraby Rozak, Head of the Research Organization for Life Sciences and Environment BRIN Meti Ekayani, Lecturer of Faculty of Economics and Management, IPB University Bambang Suprayogi, CEO of Yayasan Gajah Sumatera Beni Okarda, Senior Research Officer and SMART project team member at CIFOR Romi Adi Candra, Head of Village of Sungsang IV, Banyuasin, South Sumatra

Time (WIB)	Agenda
11.45–12.00	<p>Book launch (15')</p> <p><i>Cerita dan Pembelajaran Restorasi dan Pengelolaan Mangrove Berbasis Masyarakat – Story and Lesson Learned from Community-based Mangrove Restoration and Management</i></p> <p>Hosted by:</p> <ol style="list-style-type: none"> Sonya Dyah Kusumadewi, Senior Research Officer Salwa Nadhira, Research Assistant (CIFOR)
12.00–13.00	Lunch break
Afternoon session: Blue Carbon Business for Climate Benefit and Trade	
13.00–14.30	<p>Dialogue session 2 (90'):</p> <p>Framing Mangrove Blue Carbon for Climate Benefits and Trade</p> <ol style="list-style-type: none"> How is the role of mangrove blue carbon in climate change? How do we advance the blue carbon contribution for the climate agenda in Indonesia, e.g., NDC? What the government expectation from the blue carbon trade? How big the potential market of the blue carbon trade? <p>Moderator: Prita Laura</p> <p>Speakers:</p> <ol style="list-style-type: none"> Fegi Nurhabni, Ministry of Marine Affairs and Fisheries of the Republic of the Indonesia Istiana Maftuchah, Deputy Director of Carbon Trading Supervision, Financial Services Authority (OJK) Joko Prihatno, Principal Policy Analyst, Directorate General of Climate Change, Ministry of Forestry and Environment of the Republic of the Indonesia Purwadi Soeprihanto, Secretary General, Association of Indonesian Forest Concessionaires (APHI) Chintya Dian Astuti, Deputy Head of Committee for Planning and Evaluation of Watershed, Protected Forest and Mangrove, Indonesian Chamber of Commerce and Industry (KADIN) Rinaldi Imanuddin, Researcher at The National Research and Development Agency (BRIN) of the Republic of Indonesia Daniel Murdiyarso, Principal Scientist at CIFOR-ICRAF
14.30–16.00	<p>Dialogue session 3 (90'):</p> <p>Practising Mangrove Blue Carbon Business and Finance</p> <ol style="list-style-type: none"> What are the key challenges when practising the blue carbon business? What are the financing schemes for the blue carbon business? Where do the blue carbon businesses work well? What are the drawbacks of blue carbon business for community and people <p>Moderator: Prita Laura</p> <p>Speakers:</p> <ol style="list-style-type: none"> Joko Tri Haryanto, President Director of the Environmental Fund Management Agency (BPDHLH) of the Republic of Indonesia Agus Justianto, Chairman II of FOLU Net Sink 2030 Galih Prasetya, Director of PT Manggala Karbon Indonesia Heru Prama Yuda, Senior Partnership Manager, Earth Security Afdillah, Team Leader Oceans Campaign Greenpeace Indonesia Herry Purnomo, Director of CIFOR Indonesia & Senior Scientist at CIFOR-ICRAF
16.00–16.15	<p>Conclusion and closing (15')</p> <p>Nining Liswanti, Researcher at CIFOR-ICRAF</p>

