



## Workshop on

# INCORPORATING BLUE CARBON INTO NATIONALLY DETERMINED CONTRIBUTIONS

Integrating science with policy discourse to address climate change and achieve sustainable development in Asia Pacific Region

Hanoi, 8-10 July 2019

### Background

Conservation and restoration of coastal ecosystems, including tidal salt marshes, seagrass meadows and mangrove forests (collectively called blue carbon ecosystems), offers excellent opportunities of nature-based solutions for climate change mitigation and adaptation. Blue Carbon (BC) ecosystems can help in mitigating greenhouse gases (GHG) emissions due to high carbon (C) storage and sequestration potential. Therefore, recognition of BC ecosystems and their conservation and restoration could provide crucial mitigation pathways while offering many goods and services to coastal communities.

At the COP21 in Paris (2015), parties came to an agreement to reducing their GHG emissions

by submitting intended nationally determined contributions (INDCs), which upon ratification of the Paris Agreement became nationally determined contributions (NDCs). NDCs embody efforts by each country to reduce national emissions and adapt to the impacts of climate change and the countries are expected to review and adjust their NDCs for more ambitious emission reduction targets.

The current GHG inventory process mostly follows 2006 IPCC Guidelines, which does not differentiate between BC ecosystems and terrestrial upland forests. Overlooking BC ecosystems may result in under-estimation of GHG sinks and inaccurate reporting of GHG emissions at national scales. By not including mangroves or conversion of mangroves to other land uses, countries can either under or over-estimate their GHG emissions.



<b>Day 1</b>	<b>Evidence-based decision making on mangrove protection, conservation and development</b> Mangrove research in Vietnam and policy gaps	Chair: Dr. Mai Sy Tuan
08:00-08:30	<b>Registration</b>	
08:30-08:45	Opening remarks	<ul style="list-style-type: none"> <li>• Prof. Dr. Nguyen Van Minh, HNUE</li> <li>• Dr. Daniel Murdiyarso, CIFOR</li> <li>• Dr. Peter Nicolai Stoehr, USFS</li> </ul>
08:45-08:50	Introduction to the workshop	Dr. Mai Sy Tuan, MERC
<b>Session 1</b>	<b>Overview on mangrove status in Vietnam</b>	Chair: Dr. Mai Sy Tuan
08:40-08:55	Overview on mangrove management status in Vietnam and effectiveness of mangrove protection and development policies in Vietnam: future policy orientation and information gaps required from research	Nguyen Van Dien, MARD
08:55-09:10	Overview on current status and policies for mangrove forest management in Vietnam	Dr. Pham Trong Thinh, FIPI
09:10-09:25	Mangrove protection and development in Vietnam – Lessons learnt on policy and information gaps from 10 years implementation of Mangrove for Future	Ms. Nguyen Bich Hien, IUCN
09:25-09:45	Question and answers/ Discussion	Ms. Nguyen Bich Hien, IUCN
09:45-10:00	Break and Group Photo	
<b>Session 2</b>	<b>Sustaining and Enhancing mangrove ecosystem services and its biodiversity in context of climate change</b>	Chair: Prof. Nguyen Hoang Trí
10:00-10:15	Strategic Habitat creation and biodiversity maintenance in mangrove forests: Outlook on migratory birds	Dr. Nguyen Duc Tu, IUCN
10:15-10:30	Carbon accumulation in mangrove ecosystems along the coast of Vietnam	Dr. Nguyen Thi Hong Hanh, HUNRE
10:30-10:45	CO2 and greenhouse gases emission in mangrove ecosystems along the coast of Vietnam	Dr. Truong Van Vinh, NLU
10:45-11:00	Shallow subsidence, Mangrove Sedimentation and Response to Relative Sea-Level Rise: Policy implication for Vietnam mangrove related policies	Dr. Le Xuan Thuyen, VNU, HCMC
11:00-12:00	<b>Plenary Discussions</b>	
12:00-13:00	Lunch	
<b>Session 3</b>	<b>Mobilizing finance and designing incentive mechanism for sustainable mangrove protection and development</b>	Chair: Dr. Pham Thu Thuy
13:30- 13:45	Economic Valuation of ecosystem services in mangrove ecosystems in Vietnam	Dr. Vu Van Doanh, HUNRE
13:45- 14:00	Values of mangrove ecosystem services: Lessons learnt from Payment for Mangrove forest environmental services	Dr. Vien Ngoc Nam, NLU
14:00- 14:15	Mobilizing finance for mangrove protection and development in Vientam: lessons learnt from analysis of existing financial and social incentives mechanism	Dr. Pham Thu Thuy, CIFOR
14:15-14:30	Opportunities and challenges for effective mangrove governance and mangrove policy planning in Vietnam- An analysis from Vietnam's NDC	Dr. Vu Tan Phuong, VAFS
14:30-15:00	Break	
15:00-16:30	<b>Plenary Discussions</b>	
15:30-16:45	Closing	

Day 2	Policy Dialogue on the Role of Blue Carbon Ecosystems in Climate Change Mitigation	Chair: Dr. Daniel Murdiyarso
08:00-08:30	<b>Registration</b>	
08:30-08:50	Opening remarks	Mr. Pham Van Tan, MONRE, Hanoi
08:50-09:10	Keynote address - Policy perspectives on blue carbon (as high C-reservoir) as an effective measure for climate change mitigation	Mr. Nguyen Phuong, UN Environment
09:10-09:30	Introduction to the workshop	Dr. Daniel Murdiyarso, CIFOR
<b>Session 4</b>	<b>IPCC Supplement for country reporting under UNFCCC</b>	
09:30-10:00	Inventory methodology for coastal wetlands - Chapter 4 of 2013 Wetlands Supplement	Dr. Kiyoto Tanabe, Co-Chair, IPCC Task Force on National GHG Inventories, Japan
10:00-10:30	Overview of Australia's land sector GHG accounting	Mr. Shanti Reddy, DOEE, Australia
10:30-11:00	Break and Group Photo	
<b>Session 5</b>	<b>Blue Carbon and National GHG Inventory</b>	Chair: Dr. Peter Nicolai Stoehr
11:00-11:30	Blue Carbon Opportunities in the Seas of East Asia	Dr. Steve Crooks, Silvestrum Climate Associates
11:30-12:00	Turning the National Communication data into Nationally Determined Contributions: what does it take for Blue Carbon?	Dr. Emily Pidgeon, Conservation International
12:00-13:00	Lunch	
<b>Session 6</b>	<b>Lessons learnt – case studies on how research findings can strengthen policies for economic, environmental and social outcomes of mangrove conservation</b>	Chair: Dr. Pham Thu Thuy
13:00-13:30	Moving towards policy formulation for sustainable livelihood in mangrove ecosystems through action research with community participation	Dr. Maung Maung Than, RECOFTC
13:30-14:00	How applied research findings can support integrated mangrove management solutions?	Mr. Benjamin Brown, Blue Forests; Charles Darwin University
14:00-14:30	Discussions: Building on forest inventory work for blue carbon, and lessons from REDD+ for Blue carbon	
14:30-15:00	Break	
<b>Session 7</b>	<b>Country reports – NDC related progress (8 presentations/15 min each)</b>	Chair: Dr. Peter Nicolai Stoehr
15:00 -15:15	Indonesia	<ul style="list-style-type: none"> <li>• Dr. Virni Arifanti</li> <li>• Mr. Franky Zamzani</li> <li>• Dr. Frida Sidik</li> <li>• Dr. Hendra Yusran Siry</li> </ul>
15:15 -15:30	Malaysia	<ul style="list-style-type: none"> <li>• Dr. (Ms) Azian Mohti</li> <li>• Mr Husni Alhan Bin Md Salimun</li> </ul>
15:30-15:45	Philippines	<ul style="list-style-type: none"> <li>• Ms. Carizon Espinesin</li> <li>• Engr. Aimee Evangelista</li> </ul>
15:45-16:00	Cambodia	<ul style="list-style-type: none"> <li>• Mr. Kim Nong</li> <li>• Mr. Uy Kamal</li> </ul>
16:00 - 16:15	Thailand	<ul style="list-style-type: none"> <li>• Mr. Anuchat Tangphoomrapeewong</li> <li>• Ms. Peeraya Boonsamret</li> </ul>
16:15- 16:30	Myanmar	<ul style="list-style-type: none"> <li>• Ms. Thin Thuzar Win</li> <li>• Mr. San Win</li> </ul>
16:30-16:45	Vanuatu	<ul style="list-style-type: none"> <li>• Ms. Leana William</li> <li>• Mr. Nelson Kalo</li> </ul>
16:45-17:00	Papua New Guinea	<ul style="list-style-type: none"> <li>• Mr. Alfred Rungol</li> <li>• Mr. Iki Peter</li> </ul>
17:00-17:30	Discussions and End of Day-2	
19:00-21:00	Workshop Dinner	

<b>Day 3</b>	<b>Technical Dialogue on the Role of Blue Carbon Ecosystems in Nationally Determined Contributions (NDCs)</b>	Chair: Dr. Pham Thu Thuy
08:00-08:30	<b>Registration</b>	
08:30-08:45	Opening remarks	Mr. Pham Van Tan, MONRE
08:45-9:00	Summary from previous day	Dr. Pham Thu Thuy, CIFOR
<b>Session 8</b>	<b>Country reports – NDC related progress (5 presentations/15 min each)</b>	Chair: Dr. Rupesh Kumar Bhomia
09:00-09:15	Vietnam	<ul style="list-style-type: none"> <li>• Ms. Tran Thi Bich Ngoc</li> <li>• Mr. Nguyen Thanh Cong</li> </ul>
09:15-09:30	Bangladesh	<ul style="list-style-type: none"> <li>• Mr. Dipak Kumar Chakraborty</li> <li>• Mr. Md. Riadur Rahman</li> </ul>
09:30-09:45	Sri Lanka	<ul style="list-style-type: none"> <li>• Dr. KT Premakantha</li> <li>• Ms. G T D Perera</li> </ul>
09:45-10:00	Fiji	<ul style="list-style-type: none"> <li>• Mr. Moape Drikalu Lotawa</li> <li>• Mr. Timoci Sukulu Lagataki</li> </ul>
10:00-10:15	Samoa	<ul style="list-style-type: none"> <li>• Ms. Agnes Wulf</li> <li>• Ms. Samantha Kwan</li> </ul>
10:15-10:30	Discussions	
10:30-11:00	Break	
<b>Session 9</b>	<b>Panel Discussions – Challenges in Incorporating Blue Carbon into NDC (Policy perspectives)</b>	Chair: Dr. Pham Thu Thuy
11:00-12:30	Nature-based Solutions in the NDCs: A synthesis and recommendations for enhancing ambition and action by 2020	Ms. Dorothee Herr, IUCN
	Blue Carbon – NDC inventories	Mr. Steven Lutz, GRID Arendal
	Incorporating coastal forest carbon stocks into NDCs	Dr. Blanca Bernal, Winrock International
	Ongoing and Planned Blue Carbon Efforts in Pacific Island Countries - Linkages and Opportunities	Dr. Jan Henning Steffen, GIZ
12:30 – 13:30	Lunch	
<b>Session 10</b>	<b>Panel Discussions – Challenges in Incorporating Blue Carbon into NDC (Action perspectives)</b>	Chair: Dr. Pham Thu Thuy
13:30-15:00	Blue Carbon in REDD+ mechanisms	Dr. Frida Sidik, IPBC
		Dr. Steve Crooks, Silvestrum Climate Associates
	New Guidelines for Blue Carbon and National Climate Priorities	<ul style="list-style-type: none"> <li>• Mr. Thomas Hickey, Pew Trusts</li> <li>• Dr. Emily Pidgeon, Conservation International</li> </ul>
15:00-15:30	Break	
<b>Session 11</b> 15:30-16:30	<b>Roundtable Discussions – Opportunity for Incorporating Blue Carbon in to NDC: The way forward</b>	Chair: Dr. Daniel Murdiyarso
<b>16:30-17:00</b>	<b>Closing</b>	

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