

CLIMATE CHANGE MITIGATION ACTIVITIES IN COASTAL ECOSYSTEMS

Recommendations for the UNFCCC processes

The management of coastal ecosystems such as mangroves, saltmarshes and seagrasses has been included in national climate change mitigation strategies. Mangroves, which store large amounts of carbon in the sediment, show ongoing sequestration, and release this carbon if degraded or converted to other land-use activities.

The United Nations Framework Convention on Climate Change (UNFCCC) & & & S U R P R W H V W K H U H G X gases, conservation and enhancement of sinks and reservoirs of coastal ecosystems.¹ This brief outlines recommendations for how to further integrate land-use change and management activities leading to carbon sequestration in or reduced emissions from coastal ecosystems² the UNFCCC.²

Each recommendation highlights:

†for which ecosystems they are relevant (Mangroves, Saltmarshes, Seagrasses)

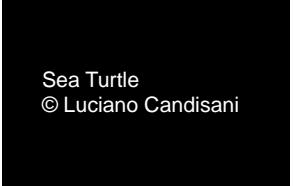
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Mangroves in Bali, Indonesia
© Conservation International/
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¹ UNFCCC Art 4(d)

² This brief builds on previous recommendations as outlined in the Blue Carbon Policy Framework https://www.iucn.org/about/work/programmes/marine/marine_resources/marine_publications/?8891/Blue-Carbon-Policy-Frame W S Z Z Z LXFQ RUJ DERXW XQLRQ VFUHW DULDW RIÀ



Sea Turtle
© Luciano Candisani



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Ecosystem	Recommended Activities	Stakeholders	Target Date
Mangroves	6XSSRUW WKH SURYLVLRQ RI LQIRUPDWLRQ mangroves - in the country for national forest monitoring systems in REDD+ DQG DOORZ IRU ;H[LELOLW\ DQG LPSURYHPHQWV RYHU WLPH VXSSRUW D SKDVHG DSSURDFK IRU WKH GHYHORSPHQW RI PRQLWRUI WKDW SURPRWHV LQFOXVLRQ RI EURDGHU QDQG XVH FDWHJRULHV S ± LQFOXGLQJ VRLO FDUERQ SRRO LQFOXGLQJ WKH DSSOLFDWLRQ RI VXSSOHPHQWDU\ JXLGHOLQHV IRU ZHWODQGV DV LQ FXUUHQW GUDI \$ SKDVHG DSSURDFK IRU WKH GHYHORSPHQW RI QDWLRQDO IRUHVW Å€@P	RQ DOO IRUHVW HFRV\VV	



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ecosystems

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Ecosystem	Recommended Activities	Stakeholders	Target Date
Mangroves & Saltmarshes	([S O R U H P R U H F R P S U H K H Q V L Y H O D Q G E D V H G D F A R R A d e s L Q J P L W L J D W L R Q D F W L Y L W L H V L Q F R D V W D O H F R V \ V W H P V D Q G X guidance on wetlands once available.	F&W Radars, SLQJ, Determ, Z, 3, & & V	SMOKD W±L Q F O X G 2013
Mangroves & Saltmarshes	6 X S S R U W W K H L Q F O X V L R Q R I D Y R L G H G O D Q G X V H A I K P a r t n e r s H D F & W B Y L W L H V L Q L Q S D U W L F X O D U D Y R L G H G F R Q Y H U V L R Q I U R P P D Q J U R Y H V D Q D e c e n d e D W P D U V CDM activities.	A I K P a r t n e r s H D F & W B Y L W L H V L Q D Q D e c e n d e D W P D U V 2013	2013
Mangroves & Saltmarshes	& R Q V L G H U L Q W K H G H O L E H U D W L R Q R I W K H I X W X U H C D M H P M i b y Q R S S R U W X Q L W L H V R I & ' 0 D F W L Y L W L H V L Q F R D V W D O D i l e f g R e v \ V W L P S D F W	H C D M H P M i b y Q H P I S W R H U P E \ H K U W R	D r o g R S H U D W L 2012

³5HZHWWLQJ DQG GUDLQDJH RI ZHWODQGV' KDV EHHQ DFFHSWHG DV D QHZ YROXQW /8/8&) DFWLYLWLHV XQGHU WKH VHFRQG FRPPLWPHQW SHULRG (PLVVLRQV DULVLQJ EH D TXDOLHG DFWLYLW\

Ecosystem	Recommended Activities	Stakeholders	Target Date
Mangroves & Saltmarshes	(O H F W ^ U H Y H J H W D W L R Q D Q G U H Z H W W L Q J D Q G G U D R e l a t i v e l y Annex-I Parties	United Nations Framework Convention on Climate Change Annex-I Parties	July 2025 of Second Commitment Period

Agriculture and aquaculture are some of the major drivers of emissions resulting from degradation of coastal ecosystems. The
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Little is known at the moment on the actual emissions and removals from ongoing aquaculture activities (as a land use activity rather
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BLUE CARBON POLICY WORKING GROUP

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BLUE CARBON INITIATIVE

7KH %OXH &DUE RQ ,QLWLDWLHYH LV WKH ;UVW LQWHJUDWHG SURJUDP IRFXV restoring coastal marine ecosystems globally. The initiative is lead by Conservation International (CI), the International Union for Conservation of Nature (IUCN), and the Intergovernmental Oceanic Commission (IOC) of UNESCO, and works ZLWK SDUWQHUV IURP QDWLRQDO JRYHUQPHQWV UHVHDUFK LQVWLWXWLRQ international bodies and other relevant stakeholders.

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Contact

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