

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 integrated into national climate change mitigation strategies. Mangroves, saltmarshes and seagrasses 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) encourages the 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 ecosystems into the UNFCCC.²

Each recommendation highlights

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

• the date of the recommendation

• the UNFCCC process they are relevant to

Mangroves in Bali, Indonesia
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¹ UNFCCC Art 4(d)

² This brief builds on previous recommendations as outlined in the Blue Carbon Policy Framework www.iucn.org/about/work/programmes/marine/marine_resources/marine_publications/78891/Blue-Carbon-Policy-Framework



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Ecosystem	Recommended Activities	Stakeholders	Target Date
Mangroves	6XSSRUW WKH SURYLVLRLQ RI LQIRUPDWLRQ mangroves - in the country for national forest monitoring systems in REDD+ DQG DOORZ IRU AH[LLELOLW\ DQG LPSURYHHPHQW RYHU WLPH VXSSRUW D SKDVHG DSSURDFK IRU WKH GHYHORSHPHQW RI PRQLWRUL WKDW SURPRWHV LQFOXVLRQ RI EURDGHU ODQG XVH FDWHJRULHV S ± LQFOXGLQJ VRLO FDUERQ SRRO LQFOXGLQJ WKH DSSOLFDWLRQ RI VXSSOHPHQWU\ JXLGHOLQHV IRU ZHWODQGV DV LQ FXUUHQW GUDI \$ SKDVHG DSSURDFK IRU WKH GHYHORSHPHQW RI QDWLRQDO IRUHVW Å€ø@P	RQ DOO IRUHVW HFRV\VV	

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‡ D ZRUN SURJUDPPH WR FRQVLGHU GHYHORS DQG UHFRPPHQG PRGDOLWLHV DQG XQG HU WKH &OHDQ 'HYHORSPHQW OHFKDQLVP &'0

7KHVH ZRUN SURJUDPV FRXOG

Ecosystem	Recommended Activities	Stakeholders	Target Date
Mangroves & Saltmarshes	([SORUH PRUH FRPSUHKHQVLYH ODQG EDVHG DFFRXQWLQJ RI DQWKURS LULUCF; and guidance on wetlands once available.	FAO Parties	2013
Mangroves & Saltmarshes	6XSSRUW WKH LQFOXVLRQ RI DYRLGHG ODQG XVH LQ SDUWLFXODU DYRLGHG FRQYHUVLRQ IURP PDQJUDQ CDM activities.	FAO Parties	2013
Mangroves & Saltmarshes	&RQVLGHU LQ WKH GHOLEHUDWLRQ RI WKH IXWXUH CDM activities LPSDFW	CDM Parties	2012

35HZHWLQJ DQG GUDLQDJH RI ZHWODQG' KDV EHHQ DFFHSWHG DV D QHZ YROXQW /8/8&) DFWLYLWLHV XQG HU VHFRQG FRPPLWPHQW SHULRG (PLVVLRQV DULVLQJ EH D TXDOLHG DFWLYLW\

Ecosystem	Recommended Activities	Stakeholders	Target Date
Mangroves & Saltmarshes	(OHFW 3UHYHJHWDWLRQ DQG UHZHWLQJ DQG GUDLQDJH RI ZHWODQG' KDV EHHQ DFFHSWHG DV D QHZ YROXQW /8/8&) DFWLYLWLHV XQG HU VHFRQG FRPPLWPHQW SHULRG (PLVVLRQV DULVLQJ EH D TXDOLHG DFWLYLW\	Annex-I Parties	End 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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WKHUHIRUH SUHPDWXUH \$GGLWLRQDO VFLHQWL¿F LQIRUPDWLRQ LV QHHGHG LQ RU
DQG HPLVVLRQV 1HZ SUDFWLFHV VXFK DV VLOYR¿VKHULHV ZKLFK SUDFWLFHV LQWH

BLUE CARBON POLICY WORKING GROUP

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:RUNLQJ *URXS -XO\ 7KH JURXS FRQVLVWV RI H[SHUWV LQ FRDVWDO V
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BLUE CARBON INITIATIVE

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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 UHVHDFK LQVWLWXWLRQ
international bodies and other relevant stakeholders.

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DQG SURMHFW OHYHO %OXH &DUERQ DFWLYLWLHV QSHUDBUHQW D&WLPHW

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