

Supplementary Table S1. Estimates of organic carbon stocks ($\text{Mg C}_{\text{org}} \text{ha}^{-1}$) in mangrove above-ground ($\text{AGBC}_{\text{org}} \text{ha}^{-1}$) and below ground root biomass ($\text{BGBC}_{\text{org}} \text{ha}^{-1}$) and soils ($\text{SC}_{\text{org}} \text{ha}^{-1}$) to a depth of 1 m, except where noted. References in which soils were sampled < 1m depth were not included.

Country	Location	$\text{AGBC}_{\text{org}} \text{ha}^{-1}$	$\text{BGBC}_{\text{org}} \text{ha}^{-1}$	$\text{SC}_{\text{org}} \text{ha}^{-1}$	Total $\text{C}_{\text{org}} \text{stock} \text{ha}^{-1}$	Reference
Africa						
Mozambique	Sofala Bay	28.0	25.2	160.0	213.2	1
	Zambezi delta	163.6	47.8	272.6 ^a	484.0	2
Tanzania	Lindi	26.8		301.7 ^b	328.5	3
	Rufiji delta	40.5	21.1	98.6	160.2	4
	Geza	67.0	36.3	311.3	414.6	5
	Mtimbwani	109.7	113.3	461.9	684.9	5
	Mainland	34.7	30.0			6
Kenya	Gazi Bay	37.2	56.2	848.2	914.5	7
		98.2	66.3	640.5	812.6	7
		167.9	83.8	442.1	692.9	7
Ghana	Kakum	106.8	48.3	310.9	466.0	8
	Ellembelle	331.9	42.6			9
	All mangroves	56.6	21.5			10
Ivory Coast	Ébrié Lagoon	128.0				11
	All mangroves	71.6	38.8			10
Benin	All mangroves	41.6	15.8			10
Cameroon	All mangroves	102.2	38.8			10
	Bamusso				2102.1	12
Guinea	All mangroves	59.6	22.7			10
Liberia	All mangroves	62.9	23.9			10
Nigeria	All mangroves	69.2	26.3			10
Sierra Leone	All mangroves	62.7	23.8			10
Togo	All mangroves	42.9	16.3			10
Madagascar	Mahajamba Bay	54.3	32.6			13
	SW coast	73.9		381.0 ^b	454.9	14
	SW coast	46.2		294.6 ^b	340.9	14
	NW coast	107.8	39.0	429.2	576	15
South Africa	Nxaxo estuary	6.7		228.1 ^b	234.8	16
Republic of Congo, Democratic Republic of Congo	All mangroves	537.7	15.1	967.4	1520.2	17
Gabon		130.0	372.0	255.0	757.0	18
	N			866.0	1063.0	19
	S			392.0	539.0	19

Liberia		37.0	571.0	342.0	950.0	18	
Senegal		34.0	401.0	240.0	675.0	18	
Southeast Asia							
Philippines	Bakhawan Natural	147.53	14.15	204.41 ^c	366.09	20	
	Ermita Natural	33.89	14.84	653.27 ^c	702.00	20	
	Dumangas	18.6	6.9	1300.9	1326.4	20	
	Maasim	241.5				21	
	Maasim	169.1				21	
	Maasim	112.2				21	
	Tagbacan	27.2		155.0	182.2	22	
	Maliwaliw	19.4		149.6	169.0	22	
	Bani, Pangasinan				750	23	
	Bantayan Island, Cebu				615	23	
	Cape Verde	84.6			626.7	24, 25	
	Subic Bay				1461	26	
	Palawan	263.8	92.3			27	
	Bohol	149	69.6			28	
	South Luzon	71.3	27.5	450.2	549.0	29	
Myanmar	Ayeyarwady delta	20.7	18.4	167.0	206.1	30	
Indonesia	Banjar	98.7		1564.4 ^d	1663.1	31	
	Bayur	121.9		938.7 ^d	1060.7	31	
	Kadutan	145.9		895.8 ^d	1041.7	31	
	Kanyuran	92.5		611.7 ^d	704.2	31	
	Labu-labu	134.9		811.3 ^d	946.3	31	
	Lerong	84.2		655.8 ^d	740.0	31	
	Muara Berau	112.5		863.4 ^d	975.9	31	
	Rhizo Seleteh	111.3		771.8 ^d	883.1	31	
	Rinding	111.1		810.2 ^d	921.3	31	
	Tunu	163.0		1106.0 ^d	1269.0	31	
	Papua	190.4				32	
	West Papua	86.1	33.5	967.4	1087	33	
	Bintuni	246.6	33.1	1032	1311.7	34	
	Timika	243.0	35.8	964.9	1243.7	34	
	Sembilang	311.8	27.9	979.5 ^f	1319.1	35	
	Cilacap	18.7	2.5	571.6 ^f	592.8	35	
	Kubu Raya	159.0	14.3	620.9 ^f	794.2	35	
	Tanjung Puting	159.5	21.3	1059.2 ^f	1240.0	35	
	Bunaken	111.9	14.9	811.9 ^f	938.4	35	
	Teminabuan	213.8	36.7	660.5 ^f	910.9	35	
	Bintuni	338.4	43.6	1014.8 ^f	1396.9	35	
	Timika	283.0	27.2	965.1 ^f	1275.2	35	
	Teminabuan	155.1	23.3	674.9	853.3	34	
	Sulawesi		111.0	28.2	2063.6 ^f	2202.9	36
			145.8	27.5	560.7	734.0	36
			115.0	9.8	290.2	415.1	36
			68.0	10.5	696.0	774.6	36
			87.4	31.5	740.4	859.3	36
		97.7	36.9	581.3	716.0	36	

	N. Sulawesi	129.7	50.2			37
	E. Sulawesi	28.0		626.0 ^b	654.0	38
	Borneo	78.3	22.4	943.5 ^f	1044.2	36
		181.7	55.8	1234.5 ^f	1472.0	36
		196.6	61.9	1049.0 ^f	1307.5	36
		103.9	32.8	1255.0 ^f	1391.7	36
		154.8	47.6	813.9 ^f	1016.2	36
	Mahakam delta, Borneo	163.0	52	1054 ^f	1269	39
		111.0	26.0	746.0 ^f	883.0	39
		122.0	31.0	907.0 ^f	1061.0	39
		135.0	28.0	783.0 ^f	946.0	39
		113.0	15.0	849.0 ^f	976.0	39
		84.0	29.0	656.0 ^f	769.0	39
		146.0	29.0	867.0 ^f	1042.0	39
		111.0	16.0	795.0 ^f	921.0	39
		93.0	14.0	598.0 ^f	704.0	39
	99.0	33.0	1532.0 ^f	1663.0	39	
	Berau, E. Borneo	130.1		485.0 ^b	615.1	40
	Java	6.5	0.5	430.0 ^c	437.0	36
		17.1	6.2	713.2 ^f	736.4	36
	Segara Anakan Lagoon, Java	13.3		288.0 ^b	301.3	40
	Kongsi Island, Java	74.3		37.0 ^b	111.3	40
	Sumatra	19.0		684.0 ^b	703.0	38
		24.0		413.0 ^b	437.0	38
	Belitung Island				768.3	38
	Lamongan	93.6		168.2 ^b	261.8	41
	Karimunjawa Islands	174.81	43.6			42
	Bali	12.4		678.3	690.7	43
	All mangroves	146.0	495.0	376.0	1017.0	18
	Oceanic mangroves	283.0	469.0	458.0	1210.0	18
Thailand	Koh Klang	84.8		944.7 ^d	1029.5	44
	Sawi Bay	138.0	142.0	528.0 ^a	808.0	38
		20.0	57.0	502.0	579.0	38
		29.0	127.0	444.0	600.0	38
Malaysia	Selangor	7.1	1.3	616.4	624.8	45
	Matang, Perak	312.0		1893 ^g	2205.0	38
		193.0		924 ^g	1117.0	38
	Matang, Perak	87.0		392 ^d	479.0	38
		Sungai Haji Dorani	48.2	13.1		
	Kuala Selangor Nature Park	121.8	3.26			46
	Johor Park	85.6		342.3 ^b	427.9	47
	Kelantan	102.5		410.0 ^b	512.5	47
Vietnam		102	52.7	689.9	844.6	48

	Can Gio, Mekong delta	298.1	20.6	696.2	1014.9	48
		243.6	12.9	703.2	959.7	48
	Ca Mau, Mekong delta	104.9		622.7	762.2	49
		54.0		1125.0 ^d	1179.0	38
		72.0		907.0 ^d	979.0	38
		153.0		1752 ^d	1904.0	38
	Kien Vang	69	10.8	759.9	889	50
	Can Gio Restored	61.4	8.7	811.7	844.0	50
	Hau Loc	42.2	34.2	233.9	310.3	51
Red River		12.7	146.8		52	
Singapore	NW coast	120.2	45.5	307.4	473.1	53
	Pulau Semakau	25.4	11.2	307.4	344.0	53
	NE coast	69.5	36.0	307.4	412.9	53
	Pulau Ubin	172.1	54.8	307.4	534.3	53
	Chek Jawa	138.0	52.0	307.0	497.0	54
Cambodia	North				957.2	55
	Central				628.9	55
	South				386.2	55
Central and North America and Caribbean						
Costa Rica	Barro	92.9		632.3 ^d		31
	Carapalo	84.0		412.6 ^d		31
	El Beso	69.5		654.3 ^d		31
	Palo Seco	151.0		514.1 ^d		31
	Pelis	109.8		410.5 ^d		31
	All mangroves	101.0	484.0	259.0	845.0	18
Mexico	Cometa	63.0		1249.4 ^d		31
	Vidal	236.0		679.9 ^d		31
	Gallego	78.3		612.0 ^d		31
	Nichupte Lagoon	11.5		47.5 ^d	59.0	56
		14.7		169.6 ^d	184.3	56
		64.9		301.8 ^d		56
	Chiapas	421.1	154.2	505.9	1081.2	57
	Isla Pitaya	176.2	156.6	1166	1498.8	58
	Cayo Culebra	144.9	147.2	508	800.1	58
	Hualaxtoc	105.0	78.0	577	760.0	58
	Laguna Negra	114.2	71.6	496	681.8	58
	Xamach	3.0	8.7	407	418.7	58
	La Raya	7.1	19.0	286	312.1	58
	El Playon	5.3	12.2	426	443.5	58
	Grijava	141.0	65.0	101.2	307.2	59
	Boca Pedro Oeste	149.0	42.0	1615.8 ^e	1806.8	59
	Boca Pedro Este	122.0	32.0	1089.3 ^e	1243.3	59
	Sabalo	174.0	61.0	1445.5 ^d	1680.5	59
	Cometa	63.0	34.0	2002.0 ^d	2099.0	59
	Vidal	236.0	94.0	780.4 ^d	1110.4	59
Gallego	78.0	6.0	717.9 ^d	801.9	59	
	37.7				60	
	134.6				60	

		221.9				60
		12.7				60
	North Pacific	58.9		270.0 ^b	328.9	61
	Central Pacific	117.0		112.2 ^b	229.2	61
	South Pacific	154.8		663.1 ^b	817.9	61
	Gulf of Mexico	152.3		438.1 ^b	590.4	61
	Yucatan Peninsula	76.9		353.8	430.7	61
	La Paz Bay	25.2	0.3			62
	All mangroves	90.0	527.0	343.0	960.0	18
Honduras	Isla de Pajaros	19.0		539.3 ^d		31
	San Lorenzo	20.1		491.6 ^d		31
	Chismuyo	143.9		561.7 ^d		31
	Pacific coast	76.3		500.5 ^d	576.8	63
	Caribbean coast	206.2		1541 ^d	1747.2	63
	Bay Islands	58.7		1492 ^d	1550.7	63
	All mangroves	74.0	509.0	432.0	1015.0	18
USA	eastern Florida	55.0	10.0	57.0	122.0	64
	Tampa, Florida			92.9	133.6	65
	Atlantic coast	49.2	25.2	146.1	220.5	66
	All mangroves	72.0	0	199.0	271.0	18
	SW Florida	67.0		259.0	326.0	67
Belize	All mangroves	40.8		173.8 ^b	214.6	68
		44.0	725.0	493.0	1262.0	18
Dominican Republic	Montecristi National Park	4.5	5.5	713.0	723.0	69
		23.5	23.5	1084	1131.0	69
		121.0	40.0	546.0	707.0	69
	All mangroves	53.0	380.0	420.0	853.0	18
Panama	All mangroves	33.0	365.0	531.0	929.0	18
South America						
Brazil	Acaraú Boca	94.8	9.2	569.9	673.0	70
	Manguezal Caussau	67.0	10.8	603.0	680.8	70
	Manguinho	79.4	15.4	200.2	295.0	70
	Porto Céu	48.1	27.4	53.9	129.4	70
	Quatro Bocas	111.1	10.9	338.5	460.5	70
	Rego Escuro	48.3	12.5	180.6	241.4	70
	All mangroves	125.0	192.0	155.0	473.0	18
	Amazon	145.2	11.7	354.0 ^f	510.9	71
	NE mangrove	72.2	14.5	340.0 ^f	426.7	71
Colombia	All mangroves	79.8				72
		39.4				73

	Cispatá-Tinajones-La Balsa	64.9				74
	Quebrada Valencia	142.5	450.0	130.0	722.5	75
	San Pedro	69.5	258.0	167.0	494.5	75
	Pianguita	109.0	438.5	180.0	727.5	75
Ecuador	Muisne	100.7		407.0	507.7	76
French Guiana				86.0		77
	1-yr old stand	23.6	8.0	76.0	107.6	78
	3-yr old stand	39.7	17.9	81.0	138.6	78
	6-yr old stand	55.2	33.2	104.0	192.4	78
	20-yr old stand	97.8	36.7	128.0	262.5	78
	55-yr old stand	158.2	50.7	224.0	432.9	78
	66-yr old stand	172.5	44.3	282.0	498.8	78
Guyana	Demerara-Mahaica	105.3				79
	Mahaica-Berbice	91.7				79
	East Berbice-Corentyne	273.3				79
	Berbice River	342.6				79
	Demerara River	116.0				79
	Essequibo River	130.0				79
South and East Asia						
India	Sagar south	130.2				80
	Canning	42.0				80
	Kerala	80.2	36.9	81.3	198.4	81
	Kerala	94.6	41.5			82
	Mahanadi	93.2				83
	Bhitarkanika	143.6				83
	Mahanadi	62.5	26.7			84
	Mahanadi plantation	62.8	27.9			84
	Kadalundi	83.3	35.0			85
	Sundarbans				360.1	86
Bhitarkanika				187.0	87	
Bangladesh	Sundarbans	76.8	41.1			88
	Ganges delta	107.4	53.6	386.0 ^f	547.0	36
		60.0	32.3	491.8 ^f	584.1	36
Sri Lanka	Kala Oya	171.7	33.0	376.3	581.0	89
	Batticaloa Lagoon	131.6	27.0	347.8	506.4	90
Japan	Okinawa	35.1	26.9	57.3	119.3	91
	Ishigaki Island	80.7	27.1	251.0	358.8	92
China	Futian Province	64.0	130.0	555.0 ^f	619.0	38
		43.0	94.0	348.0 ^f	391.0	38

		7.0	8.0	325.0	332.0	38	
	Donzhai Harbor				351.4	93	
	Yingluo Bay				306.9	93	
	Dongjiang estuary				162.0	93	
	Hainan Island	109.0	50.3	354.0	513.3	94	
		70.0	10.3	406.2	486.5	9	
Pakistan	Sandspit	93.3	39.0			96	
Middle East							
Saudi Arabia	Farasan Islands			123.0		97	
	Farasan Islands			108.0		97	
	Arabian Gulf			76.0		98	
	Red Sea coast			92.0		99	
Egypt	South Sinai			389.4		100	
United Arab Emirates		37.0	69.0	111.0	217.0	18	
		37.3	24.6	156.3	218.4	101	
		1.9	1.5	102.3	105.7	101	
Iran	Gowatr	21.3	17.3	166.5	205.1	102	
		91.3	155.5	296.1	542.9	102	
		25.7	24.1	219.3	269.1	102	
Australia and New Zealand							
New Zealand	Auckland	40.2				103	
	Whangateau	12.6	18.4	51.5	82.6	104	
	Bayswater	4.0	22.1	104.8	130.9	104	
	Mangere	26.6	17.0	111.6	155.3	104	
	Whangamata	14.2	27.9	57.6	99.7	104	
	Tairua estuary	4.4		41.9 ^b	46.3	105	
Australia	Darwin	113.0		782.0 ^e	895.0	106	
	Hinchinbrook	73.0		1012.0 ^e	1085.0	106	
	Hinchinbrook	297.0	312.0	1530.0 ^h	2139.0	38	
	Seventeen Seventy	41.0		481 ^e	522.0	106	
	Jacobs Well	35.0		543.0 ^e	578.0	106	
	Newcastle	32.0		514.0 ^e	546.0	106	
	Barwon	2.0		541.0 ^e	543.0	106	
	Pilbara	115.0	127.0	621.0 ^c	863.0	38	
	Pilbara	55.0	92.0	515.0	662.0	38	
Pacific Islands							
Yap		262.0	203.0	754.0	1218.0	107	
		140.0	80.4	602.8 ^c	823.2	36	
		205.3	107.8	582.7	895.8	36	
		280.5	190.3	874.9 ^c	1345.7	36	
		246.5	168.3	631.6 ^c	1046.4	36	
		434.8	263.1	1077.6 ^a	1775.4	36	
		Ruunuw	169.2	144.0	728.8 ^c	1042.0	108
		All mangroves	261.0	456.0	460.0	1179.0	18
Palau		131.0	68.0	631.0	830.0	107	
		118.1	67.8	520.6	706.5	36	

	Airai	104.4	80.0	520.6	705.0	108
	All mangroves	118.0	184.0	416.0	718.0	18
Kosrae		247.2	195.9	427.5	870.6	36
		250.1	203.7	1222.3 ^f	1676.0	36
		303.1	194.0	675.3 ^f	1172.4	36
		223.8	86.7	722.3 ^c	1032.8	36
	All mangroves	258.0	509.0	423.0	1188.0	18
Hawaii	Moloka'i	143.3	57.8	177.1	398.2	109
		216.3	99.3	177.8	501.2	109
		178.3	77.8	236.4	492.5	109

^a soil sampled to 200 cm depth.

^b includes both below-ground root C and soil C.

^c soil sampled to 150 cm depth.

^d below-ground root biomass and soil C sampled to 300 cm depth.

^e below-ground root biomass and soil C sampled to 200 cm depth.

^f soil sampled to 300 cm depth.

^g Below-ground biomass and soil C sampled to 400 cm depth.

^h soil sampled to 500 cm depth.

References

1. Siteo, A.A.; Mandlate, L.J.C.; Guedea, B.S. Biomass and carbon stocks of Sofala Bay mangrove forests. *Forests* **2014**, *5*, 1967-1981.
2. Stringer, C.E.; Trettin, C.C.; Zarnoch, S.J.; Tang, W. Carbon stocks of mangroves within the Zambezi River Delta, Mozambique. *Forest Ecol. Manage.* **2015**, *354*, 139-148.
3. Cleyndert, G. de J.; Cuni-Sanchez, A.; Seki, H.A.; Shirima, D.D.; Munischi, P.K.T.; Burgess, N.; Marchant, R. The effects of seaward distance on above and below ground carbon stocks in estuarine mangrove ecosystems. *Res. Square* **2020**, doi.org/10.21203/rs-26211/v2.
4. Lupembe, I.B. *Carbon Stocks in the Mangrove Ecosystem of Rufiji River Delta, Rufiji District, Tanzania*. M.S. Dissertation, Univ. of Agriculture: Morogoro, Tanzania. **2014**.
5. Alavaisha, E.; Mangora, M.M. Carbon stocks in the small estuarine mangroves of Geza and Mtimbwani, Tanga, Tanzania. *Int. J. Forest. Res.* **2016**, *2016*, 2068283, doi:10.1155/2016/2068283.
6. Njana, M.A., Zahabu, E.; Malimbwi, R.E. Carbon stocks and productivity of mangrove forests in Tanzania. *Southern Forests* **2018**, *80*, 217-232.
7. Musyoka, N.M. *Carbon Stocks and Sequestration Potentials in Managed Mangrove Plantations of Gazi Bay, Kenya*. M.S. Thesis, Univ. Nairobi: Nairobi, Kenya. **2015**.
8. Adotey, J. *Carbon Stock Assessment in the Kakum and Amanzule Estuary Mangrove Forests, Ghana*. M. Ph. Thesis, Univ. Cape Coast: Cape Coast, Ghana. **2015**.
9. Yevugah, L.L.; Osei Jr, E.M.; Ayer, J.; Nti, J.O. Spatial mapping of carbon stock in riverine mangroves along Amanzule River in the Ellembelle District of Ghana. *Earth Sci. Res.* **2017**, *6*, 120-128.
10. Tang, W.; Feng, W.; Jia, M.; Shi, J.; Zuo, H.; Trettin, C.C. The assessment of mangrove biomass and carbon in West Africa: a spatially explicit analytical framework. *Wetl. Ecol. Manage.* **2015**, *24*, 153-171.
11. Osemwegie, I.; Hyppolite, D. N'da.; Stumpp, C.; Reichert, B.; Biemi, J. Mangrove forest characterization in Southeast Côte d'Ivoire. *Open J. Ecol.* **2016**, *6*, 138-150.
12. Nsombo, E.N.; Bengono, F.A.; Etame, J.; Din, N.; Ajonina, G.; Bilong, P. Effects of vegetation's degradation on carbon stock, morphological, physical and chemical characteristics of soils within the mangrove forest of the Rio del Rey Estuary: Case study-Bamusso (South-West Cameroon). *African J Environ. Sci. Tech.* **2016**, *10*, 58-66.
13. Jones, T.G.; Ratsimba, H.R.; Ravaoarinorotsihoarana, L.; Glass, L.; Benson, L.; Teoh, M.; Carro, A.; Cripps, G.; Giri, C.; Gsndhi, S.; Andriamahenina, Z.; Rakotomanana, R.; Roy, P.-F. The dynamics, ecological variability, and estimated carbon stocks of mangroves in Mahajamba Bay, Madagascar. *J. Mar. Sci. Eng.* **2015**, *3*, 793-820.
14. Benson, L.; Glass, L.; Jones, T.G.; Ravaoarinorotsihoarana, L.; Rakotomahazo, C. Mangrove carbon stocks and ecosystem cover dynamics in Southwest Madagascar and the implications for local management. *Forests* **2017**, *8*, 190, doi:10.3390/f8060190.
15. Jones, T.G.; Ratsimba, H.R.; Ravaoarinorotsihoarana, L.; Cripps, G.; Bey, A. Ecological variability and carbon stock estimates of mangrove ecosystems in Northwestern Madagascar. *Forests* **2014**, *5*, 177-205.

16. Johnson, J.L.; Raw, J.L.; Adams, J.B. First report on carbon storage in a warm-temperate mangrove forest in South Africa. *Estuar. Coast. Shelf Sci.* **2020**, *235*, 106566, doi:10.1016/j.ecss.2019.106566.
17. Ajonina, G.N.; Kairo, J.; Grimsditch, G.; Sembres, T.; Chuyong, G.; Diyouke, E. Assessment of mangrove carbon stocks in Cameroon, Gabon, the Republic of Congo (RoC) and the Democratic Republic of Congo (DRC) including their potential for reducing emissions from deforestation and forest degradation (REDD+). In *The Land/ocean interactions in the Coastal Zone of West and Central Africa*; Diop, S., Barousseau, J., Descamps, C. Eds.; Springer: Cham, Switzerland, **2014**; pp. 177-189.
18. Kauffman, J.B.; Adame, M.F.; Arifanti, V.B.; Schile-Beers, L.M.; Bernardino, A.F.; Bhomia, R.K.; Donato, D.C.; Feller, I.C.; Ferreira, T.O.; Garcia, M. del C. J.; MacKenzie, R.A.; Megonigal, J.P.; Murdiyarto, D.; Simpson, L.; Trejo, H.H. Total ecosystem carbon stocks of mangrove across broad global environmental and physical gradients. *Ecol. Monogr.* **2020**, *90*, e01405, doi:10.1002/ecm.1405.
19. Kauffman, J.B.; Bhomia, R.K. Ecosystem carbon stocks of mangroves across broad environmental gradients in West-Central Africa: Global and regional comparisons. *PLoS ONE* **2017**, *12*, e0187749, doi:10.1371/journal.pone.0187749.
20. Duncan, C.; Primavera, J.H.; Pettoelli, N.; Thompson, J.R.; Loma, R.J.A.; Koldewey, H.J. Rehabilitating mangrove ecosystem services: A case study on the relative benefits of abandoned pond reversion from Panay Island, Philippines. *Mar. Pollut. Bull.* **2016**, *109*, 772-782.
21. Bigsang, R.T.; Agonia, N.B.; Toteta, C.G.D.; Nacin, C.J.C.B.; Obemio, C.D.G.; Martin, T.T.B. Community structure and carbon sequestration potential of mangroves in Maasim, Sarangani Province, Philippines. *AES Bioflux* **2016**, *8*, 6-17.
22. Salmo III, S.G.; Gianan, E.L.D. Post-disturbance carbon stocks and rates of sequestration: Implications on "blue carbon" estimates in Philippine mangroves. *Philipp. Sci. Lett.* **2019**, *12*, 122-132.
23. Salmo III, S.G. *Mangrove Blue Carbon in the Verde Island Passage. Nature is 30 (Climate Strategy)*. Conservation International: Philippines, Quezon City, Philippines. **2019**.
24. Castillo, J.A.A.; Apan, A.A.; Maraseni, T.N., Salmo III, S.G. Tree biomass quantity, carbon stock and canopy correlates in mangrove forests and land uses that replaced mangroves in Honda Bay, Philippines. *Reg. Stud. Mar. Sci.* **2018**, *24*, 174-183.
25. Gevaña, D.T.; Pampolina, N.M. Plant diversity and carbon storage of a *Rhizophora* stand in Verde Passage, San Juan, Batangas, Philippines. *J. Environ. Sci. Manag.* **2009**, *12*, 1-10.
26. Garcia, C.A. *Nutrient Content and Resorption Efficiency as Recovery Indicators in Typhoon-Damaged Mangroves in the Philippines*. M.Sc. Thesis, Ateneo de Manila Univ.: Quezon City, Philippines. 2017.
27. Abino, A.C.; Castillo, J.A.A.; Lee, Y.J. species diversity, biomass, and carbon stock assessments of a natural mangrove forest in Palawan, Philippines. *Pak. J. Bot.* **2014**, *46*, 1955-1962.
28. Camacho, L.D.; Gevaña, D.T.; Carandang, A.P.; Camacho, S.C.; combalicer, E.A.; Rebugio, L.L.; Youn, Y.-C. Tree biomass and carbon stock of a community-managed mangrove forest in Bohol, Philippines. *Forest Sci. Tech.* **2011**, *7*, 161-167.
29. Salmo III, S.G.; Malapit, V.; Garcia, M.C.A.; Pagkalinawan, H.M. Establishing rates of carbon sequestration in mangroves from an earthquake uplift event. *Biol. Lett.* **2019**, *15*, 20180799, doi:10.1098/rsbl.2018.0799.

30. Thant, Y.M.; Kanzaki, M.; Ohta, S.; Than, M.M. Carbon sequestration by mangrove plantations and a natural regeneration stand in the Ayeyarwady Delta, Myanmar. *Trop.* **2012**, *21*, 6-11.
31. Kauffman, J.B.; Arifanti, V.B.; Trejo, H.H.; Garcia, M. del C. J.; Norfolk, J.; Cifuentes, M.; Hadriyanto, D.; Murdiyarso, D. The jumbo carbon footprint of a shrimp: carbon losses from mangrove deforestation. *Front. Ecol. Environ.* **2017**, *15*, 183-188.
32. Sianturi, R.; Choesin, D.N. Vegetation structure and carbon stock in the mangrove community of Payumb Coast, Merauke Regency, Papua. *E3S Web of Conferences* **2018**, *73*, 08012, doi:10.1051/e3sconf/20187308012.
33. Sasmito, S.D.; Sillanpää, M.; Hayes, M.A.; Bachri, S.; Saragi-Sasmito, M.F.; Sidik, F.; Hanggara, B.B.; Mofu, W.Y.; Rumbiak, V.I.; Hendri, Taberims, S.; Suhaemi, Nugroho, J.D.; Pattiasina, T.F.; Widagti, N.; Barakalla, Rahajoe, J.S.; Hartantri, H.; Nikijuluw, V.; Jowey, R.N.; Heatbun, C.D.; zu Ermgassen, P.; Worthington, T.A.; Howard, J.; Lovelock, C.E.; Friess, D.A., Hutley, L.B.; Murdiyarso, D. Mangrove blue carbon stocks and dynamics are controlled by hydrogeomorphic setting and land-use change. *Glob. Change Biol.* **2020**, *26*, 3028-3039.
34. Taberima, S.; Nugroho, Y.D.; Murdiyarso, D. The distribution of carbon stock in selected mangrove ecosystem of wetlands Papua: Bintuni, Teminabuan, and Timika Eastern Indonesia. *International Conference on Chemical, Environment & Biological Sciences*, September 17-18 2014, Kuala Lumpur, Malaysia, **2014**, pp. 7-10.
35. Murdiyarso, D.; Purbopuspito, J.; Kauffman, J.B.; Warren, M.W.; sasmito, S.D.; Donato, D.C.; Manuri, S.; Krisnawati, H.; Taberima, S.; Kurnianto, S. The potential of Indonesian mangrove forests for global climate change mitigation. *Nat. Clim. Change* **2015**, *5*, 1089-1092.
36. Donato, D.C., Kauffman, J.B.; Murdiyarso, D.; Kurnianto, S.; Stidham, M.; Kanninen, M. Mangrove among the most carbon-rich forests in the tropics. *Nat. Geosci.* **2011**, *4*, 293-297.
37. Chen, S.; Chen, B.; Sastrosuwondo, P.; Dharmawan, I.W.E.; Ou, D.; Yin, X.; Yu, W.; Chen, G.; Ecosystem carbon stock of a tropical mangrove forest in North Sulawesi, Indonesia. *Acta Oceanol. Sin.* **2018**, *37*, 85-91.
38. Alongi, D.M. Carbon sequestration in mangrove forests. *Carbon Manage.* **2012**, *3*, 313-322.
39. Arifanti, V.B.; Kauffman, J.B.; Hadriyanto, D.; Murdiyarso, D.; Diana, R. carbon dynamics and land use carbon footprints in mangrove-converted aquaculture: The case of the Makakam Delta, Indonesia. *Forest Ecol. Manage.* **2019**, *432*, 17-29.
40. Kusumaningtyas, M.A.; Hutahaean, A.A.; Fischer, H.W.; Pérez-Mayo, M.; Ransby, D.; Jennerjahn, T.C. Variability in the organic carbon stocks, sources, and accumulation rates of Indonesian mangrove ecosystems. *Estuar. Coast. Shelf Sci.* **2019**, *218*, 310-323.
41. Arif, A.M.; Guntur, G.; Ricky, A.B.; Novianti, P.; Andik, I. Mangrove ecosystem C-stocks of Lamongan, Indonesia and its correlation with forest age. *Res. J. Chem. Environ.* **2017**, *21*, 1-9.
42. Nehren, U.; Wicaksono, P. Mapping soil carbon stocks in an oceanic mangrove ecosystem in Karimunjawa Islands, Indonesia. *Estuary. Coast. Shelf Sci.* **2018**, *214*, 185-193.
43. Putra, A.A.; Rudianto; Dewi, C.S.U. Analysis of the ability of mangrove sequestration and carbon stock in Pejarakan village, Buleleng Regency, Bali. *J. Ilmu Telnol. Kelautan Trop.* **2019**, *11*, 511-526.
44. Elwin, A.; Bukoski, J.J.; Jintana, V.; Robinson, E.J.Z.; Clark, J.M. Preservation and recovery of mangrove ecosystem carbon stocks in abandoned shrimp ponds. *Sci. Rept.* **2019**, *9*, 18275, doi:10.1038/s41598-019-54893-6.

45. Ashokri, H.A.; Rozainah, M.Z. Carbon stock evaluation and its potential carbon market value in Carey Island mangrove forest, Selangor, Malaysia. *MATTER: Int. J. Sci. Tech.* **2015**, *1*, 240-258.
46. Hong, L.C.; Hemati, Z.; Zakaria, R.M. Carbon stock evaluation of selected mangrove forests in Peninsular Malaysia and its potential market value. *J. Environ. Sci. Manage.* **2017**, *20-2*, 77-86.
47. Rozainah, M.Z.; Nazri, M.N.; Sofawi, A.B.; Hemati, Z.; Juliana, W.A. Estimation of carbon pool in soil, above and below ground vegetation at different types of mangrove forests in Peninsular Malaysia. *Mar. Pollut. Bull.* **2018**, *137*, 237-245.
48. Dung, L.V.; Tue, N.T.; Nhuan, M.T.; Omori, K. Carbon storage in a restored mangrove forest in Can Gio Mangrove Forest Park, Mekong Delta, Vietnam. *Forest Ecol. Manage.* **2016**, *380*, 31-40.
49. Tue, N.T.; Dung, L.V.; Nhuan, M.T.; Omi, K. Carbon storage of a tropical mangrove forest in Mui Ca Mau National Park, Vietnam. *Catena* **2014**, *121*, 119-126.
50. Vien, N. N.; Sasmito, S.; Murdiyarso, D.; Purbopuspito, J.; MacKenzie, R. Carbon stocks in artificially and naturally regenerated mangrove ecosystems in the Mekong Delta. *Wetl. Ecol. Manage.* **2016**, *24*, 231-244.
51. Hieu, P.V.; Dung, L.V.; Tue, N.T.; Omori, K. Will restored mangrove forests enhance sediment organic carbon and ecosystem carbon storage? *Reg. Stud. Mar. Sci.* **2017**, *14*, 43-52.
52. Ha, T.H.; Marchand, C.; Aimé, J.; Dang, H.N.; Phan, N.H.; Nguyen, X.T.; Nguyen, T.K.C. Belowground carbon sequestration in a mature planted mangrove (Northern Viet Nam). *Forest Ecol. Manage.* **2018**, *407*, 191-199.
53. Friess, D.A.; Richards, D.R.; Phang, V.X.H. Mangrove forests store high densities of carbon across the tropical urban landscape of Singapore. *Urban Ecosyst.* **2016**, *19*, 795-810.
54. Phang, V.X.H.; Chou, L.M.; Friess, D.A. Ecosystems carbon stocks across a tropical intertidal habitat mosaic of mangrove forest, seagrass meadow, mudflat and sandbar. *Earth Surf. Process. Landform.* **2015**, *40*, 1387-1400.
55. Sharma, S.; MacKenzie, R.A.; Tieng, T.; Soben, K.; Tulyasuwan, N.; Resanond, A.; Blate, G.; Litton, C.M. The impacts of degradation, deforestation and restoration on mangrove ecosystem carbon stocks across Cambodia. *Sci. Tot. Environ.* **2020**, *706*, 135416, doi:10.1016/j.scitotenv.2019.135416.
56. Adame, M.F.; Hermoso, V.; Perhaps, K.; Lovelock, C.E.; Herrera-Silveira, J.A. Selecting cost-effective areas from restoration of ecosystem services. *Conserv. Biol.* **2014**, *29*, 493-502.
57. Adame, M.F.; Santini, N.S.; Tovilla, C.; Vázquez-Lule, A.; Castro, L.; Guevara, M. Carbon stocks and soil sequestration rates of tropical riverine wetlands. *Biogeosci.* **2015**, *12*, 3805-3818.
58. Adame, M.F.; Kauffman, J.B.; Medina, I.; Gamboa, J.N.; Torres, O.; Caamal, J.P.; Reza, M.; Herrera-Silva, J.A. Carbon stocks of tropical coastal wetlands within the karstic landscape of the Mexican Caribbean. *PLoS ONE* **2013**, *8*, e56569, doi:10.1371/journal.pone.0056569.
59. Kauffman, J.B.; Trejo, H.H.; Garcia, M. del C. J.; Heider, C.; Contreras, W.M. Carbon stocks of mangroves and losses arising from their conversion to cattle pastures in the Pantanos de Centla, Mexico. *Wetl. Ecol. Manage.* **2016**, *24*, 203-216.
60. Vázquez-Lule, A.; Colditz, R.; Herrera-Silveira, J.; Guevara, M.; Rodriguez-Zúñiga, M.T.; Cruz, I.; Ressler, R.; Vargas, R. Greenness trends and carbon stocks of mangroves across Mexico. *Environ. Res. Lett.* **2019**, *14*, 075010, doi:10.1088/1748-9326/ab246e.
61. Herrera-Silveira, J.A.; Pech-Cardinas, M.A.; Morales-Ojeda, S.M.; Cinco-Castro, S.; Camacho-Rico, A.; Sosa, J.P.C.; Mendoza-Martinez, J.E.; Pech-Poot, E.Y.; Montero, J.; Teutli-Hernandez, C. Blue

carbon of Mexico, carbon stocks and fluxes: a systematic review. *PeerJ* **2020**, *8*, e8790, doi:10.7717/peerj.8790.

62. Ochoa-Gómez, J.G.; Lluch-Cota, S.E.; Rivera-Monroy, V.H.; Lluch-Cota, D.B.; Troyo-Diéguez, E.; Oechel, W.; Serviere-Zaragoza, E. Mangrove wetland productivity and carbon stocks in an arid zone of the Gulf of California (La Paz Bay, Mexico). *Forest Ecol. Manage.* **2019**, *442*, 135-147.
63. Bhomia, R.K.; Kauffman, J.B.; McFadden, T.N. Ecosystem carbon stocks of mangrove forests along the pacific and Caribbean coasts of Honduras. *Wetl. Ecol. Manage.* **2016**, *24*, 187-201.
64. Doughty, C.L.; Langley, J.A.; Walker, W.S.; Feller, I.C.; Schaub, R.; Chapman, S.K. Mangrove range expansion rapidly increases coastal wetland carbon storage. *Estuar. Coast.* **2016**, *39*, 385-396.
65. Radabaugh, K.R.; Moyer, R.P.; Chappel, A.R.; Powell, C.F.; Bociu, I.; Clark, B.C.; Smoak, J.M. Coastal blue carbon assessment of mangroves, salt marshes, and salt barrens in Tampa Bay, Florida, USA. *Estuar. Coast.* **2018**, *41*, 1496-1510.
66. Simpson, L.T.; Osborne, T.Z.; Duckett, L.J.; Feller, I.C. Carbon storage along a climate induced coastal wetland gradient. *Wetl.* **2017**, *37*, 1023-1035.
67. Peneva-Reed, E.I.; Krauss, K.W.; Bullock, E.L.; Zhu, Z.; Woltz, V.L.; Drexler, J.Z.; Conrad, J.R.; Stehma, S.V. Carbon stock losses and recovery observed for a mangrove ecosystem following a major hurricane in Southwest Florida. *Estuar. Coast. Shelf Sci.* **2020**, doi:10.1016/j.ecss.2020.106750.
68. Chang, S.; Green, A.; Kelley, E. *A Preliminary Assessment of the Blue Carbon Capacity of Belizean Mangroves with Ecological, Economic, and Policy Perspectives*. MS. Thesis, Duke Univ.: Durham, North Carolina, USA. **2015**.
69. Kauffman, J.B.; Heider, C.; Norfolk, J.; Payton, F. Carbon stocks of intact mangroves and carbon emissions arising from their conversion in the Dominican Republic. *Ecol. Appl.* **2014**, *24*, 518-527.
70. Kauffman, J.B.; Bernardino, A.F.; Ferreira, T.O.; Bolton, N.W.; Gomes, L.E. de O.; Nobrega, G.N. Shrimp ponds lead to massive loss of soil carbon and greenhouse gas emissions in northeastern Brazilian mangroves. *Ecol. Evol.* **2018**, *8*, 5530-5540.
71. Kauffman, J.B.; Bernardino, A.F.; Ferreira, T.O.; Giovannoni, L.R.; Gomes, L.E. de O.; Romero, D.J.; Jimenez, L.C.Z.; Ruiz, F. Carbon stocks of mangroves and salt marshes of the amazon region, Brazil. *Biol. Lett.* **2018**, *14*, 20180208, doi:10.1098/rsbl.2018.0208.
72. Zarate-Barrera, T.G.; Maldonado, J.H. Valuing blue carbon: Carbon sequestration benefits provided by the marine protected areas of Colombia. *PLoS ONE* **2015**, *10*, e0126627, doi:10.1371/journal.pone.0126627.
73. Bolivar, J.M.; Gutierrez-Velez, V.H.; Sierra, C.A. Carbon stocks in aboveground biomass for Colombian mangroves with associated uncertainties. *Reg. Stud. Mar. Sci.* **2018**, *18*, 145-155.
74. Yepes, A.; Zapata, M.; Bolivar, J.; Monsalve, A.; Espinoza, S.M.; Sierra-Correa, P.C.; Sierra, A. Ecuaciones alométricas de biomasa aérea para la estimación de los contenidos de carbono en manglares del Caribe Colombiano. *Rev. Biol. Trop.* **2016**, *64*, 913-926.
75. Peñaranda, M.L.P.; Kintz, J.R.C.; Salamanca, E.J.P. Carbon stocks in mangrove forests of the Colombian Pacific. *Estuar. Coast. Shelf Sci.* **2019**, *227*, 106299, doi:10.1016/j.ecss.2019.106299.
76. DelVecchia, A.G.; Bruno, J.F.; Benninger, L.; Alperin, M.; Banerjee, O.; Morales, J. de D. Organic carbon inventories in natural and restored Ecuadorian mangrove forests. *PeerJ*. **2014**, *2*, e388, doi:10.7717/peerj.388.

77. Marchand, C. Soil carbon stocks and burial rates along a mangrove forest chronosequence (French Guiana). *Forest Ecol. Manage.* **2017**, *384*, 92-99.
78. Walcker, R.; Gandois, L.; Proisy, C.; Corenblit, D.; Mougin, E.; Laplanche, C.; Ray, R.; Fromard, F. Control of "blue carbon" storage by mangrove ageing: Evidence from a 66-year old chronosequence in French Guiana. *Glob. Change Biol.* **2018**, *6*, 2325-2338.
79. Jaikishun, S.; Ansari, A.A.; Dasilva, P.; Hosen, A. Carbon storage potential of mangrove forest in Guyana. *Bonorowo Wetl.* **2017**, *7*, 43-54.
80. Mitra, A.; Gatti, R.C. Carbon census in the mangrove ecosystem of lower Gangetic delta. *Economol. J.* **2015**, *5*, 11-28.
81. Harishma, K.M.; Sandeep, S.; Sreekumar, V.B. Biomass and carbon stocks in mangrove ecosystems of Kerala, southwest coast of India. *Ecol. Process.* **2020**, *9*, doi:10.1186/s13717-020-00227-8.
82. Vinod, K.; Asokan, P.K.; Zacharia, P.U.; Ansar, C.P.; Vijayan, G.; Anasukoya, A.; Koya, V.A.K.; Nikhiljith, M. Assessment of biomass and carbon stocks in mangroves of Thalassery estuarine wetland of Kerala, south west coast of India. *J. Coast. Res.* **2019**, *86*, 209-217.
83. Banerjee, K.; Sahoo, C.K.; Bal, G.; Mallik, K.; Paul, R.; Mitra, A. High blue carbon stock in mangrove forests of Eastern India. *Trop. Ecol.* **2020**, *61*, 150-167.
84. Sahu, S.C.; Kumar, M.; Ravindranath, N.H. Carbon stocks in natural and planted mangrove forests of Mahanadi mangrove wetland, east coast of India. *Current Sci.* **2016**, *110*, 2253-2260.
85. Vinod, K.; Koya, A.A.; Koya, V.A.K.; Silpa, P.G.; Asokan, P.K.; Zacharia, P.U.; Joshi, K.K. Biomass and carbon stocks in mangrove stands of Kadalundi estuarine wetland, south-west coast of India. *Indian J. Fish.* **2018**, *65*, 89-99.
86. Rahman, Md. M.; Khan, Md. N.I.; Hoque, A.K.F.; Ahmed, I. Carbon stock in the Sundarbans mangrove forest: spatial variations in vegetation types and salinity zones. *Wetl. Ecol. Manage.* **2015**, *23*, 269-283.
87. Bhomia, R.K.; MacKenzie, R.A.; Murdiyarso, D.; Sasmito, S.D.; Purbopuspito, J. Impacts of land use on Indian mangrove forest carbon stocks: Implications for conservation and management. *Ecol. Appl.* **2016**, *26*, 1396-1408.
88. Kamruzzaman, Md.; Ahmed, S.; Paul, S.; Rahman, Md. M.; Osawa, A. Stand structure and carbon storage in the oligohaline zone of the Sundarbans mangrove forest, Bangladesh. *Forest Sci. Tech.* **2018**, *14*, 23-28.
89. Perera, K.A.R.S.; Amarasinghe, M.D. Partitioning of system total carbon pool of Kala Oya mangrove ecosystem in Sri Lanka. *Int. J. Adv. Sci. Eng. Tech.* **2017**, *5*, 1-4.
90. Perera, K., A. R.S.; Amarasinghe, M.D. Ecosystem carbon stock of mangroves at the Batticaloa Lagoon, Sri Lanka. *OUSL J.* **2018**, *13*, 81-100.
91. Khan, Md. N.I.; Suwa, R.; Hagihara, A. Carbon and nitrogen pools in a mangrove stand of *Kandelia obovata* (S., L.) Yong: vertical distribution in the soil-vegetation system. *Wetl. Ecol. Manage.* **2007**, *15*, 141-153.
92. Iimura, Y.; Kinjo, K.; Kondo, M.; Ohtsuka, T. Soil carbon stocks and their primary origin at mature mangrove ecosystems in the estuary of Fukido River, Ishigaki Island, southwestern Japan. *Soil Sci. Plant Nutrition* **2019**, *65*, 435-443.

93. Wang, G.; Guan, D.; Xiao, L.; Peart, M.R. Ecosystem carbon storage affected by intertidal locations and climatic factors in three estuarine mangrove forests of South China. *Reg. Environ. Change* **2019**, *19*, 1701-1712.
94. Gao, T.; Ding, D.; Guan, W.; Liao, B. Carbon stocks of coastal wetland ecosystems on Hainan Island, China. *Pol. J. Environ. Stud.* **2018**, *27*, 1061-1069.
95. Xin, K.; Yan, K.; Gao, C.; Li, Z. Carbon storage and its influencing factors in Hainan Dongzhangang mangrove wetlands. *Mar. Freshw. Res.* **2018**, *69*, 771-779.
96. Nazim, K.; Ahmed, M.; Khan, M.U.; Durrani, A.T.H.; Khokhar, A. Carbon sequestration potential of sandspit backwater mangrove and sediment, Pakistan. *Fuuast. J. Biol.* **2018**, *8*, 209-215.
97. Eid, E.M.; Khedher, K.M.; Ayed, H.; Arshad, M.; Moatamed, A.; Mouldi, A. Evaluation of carbon stock in the sediment of two mangrove species, *Avicenna marina* and *Rhizophora mucronata*, growing in the Farasan islands, Saudi Arabia. *Oceanol.* **2020**, *62*, 200-213.
98. Cusack, M.; Saderne, V.; Arias-Ortiz, A.; Masqué, P.; Krishnakumar, P.K.; Rabaoui, L.; Qurban, M.A.; Qasem, A.M.; Prihartato, P.; Loughland, R.A.; Elyas, A.A.; Duarte, C.M. Organic carbon sequestration and storage in vegetated coastal habitats along the western coast of the Arabian Gulf. *Environ. Res. Lett.* **2018**, *13*, 074007, doi:10.1088/17489326/aac899.
99. Shaltout, K.H.; Ahmed, M.T.; Alrumman, S.A.; Ahmed, D.A.; Eid, E.M. Evaluation of the carbon sequestration capacity of arid mangroves along nutrient availability and salinity gradients along the Red Sea coastline of Saudi Arabia. *Oceanol.* **2020**, *62*, 56-69.
100. El-Hussieny, S.A.; Ismail, I.M. Role of *Avicennia marina* (Forssk.) Vierh. of South Sinai, Egypt in atmospheric CO₂ sequestration. *Int. J. Sci. Res.* **2017**, *6*, 1935-1946.
101. Schile, L.M.; Kauffman, J.B.; Crooks, S.; Fourqurean, J.W.; Glavan, J.; Megongal, J.P. Limits on carbon sequestration in arid blue carbon ecosystems. *Ecol. Appl.* **2017**, *27*, 859-874.
102. Savari, A.; Khaleghi, M.; Safahieh, A.R.; Hamidian Pour, M.; Ghaemmaghmi, S. Estimation of biomass, carbon stocks and soil sequestration of Gowatr mangrove forests, Gulf of Oman. *Iran. J. Fish. Sci.* **2020**, doi:10.22092/ijfs.2020.121484.
103. Suyadi; Gao, J.; Lundquist, C.J.; Schwendenmann, L. Aboveground carbon stocks in rapidly expanding mangroves in New Zealand: Regional assessment and economic valuation of blue carbon. *Estuar. Coast.* **2020**, doi:10.1007/s12237-020-00736-x.
104. Bulmer, R.H.; Schwendenmann, L.; Lundquist, C.J. Carbon and nitrogen stocks and below-ground allometry in temperate mangroves. *Front. Mar. Sci.* **2016**, *3*, 150, doi:10.3389/fmars.2016.00150.
105. Bulmer, R.H.; Stephenson, F.; Jones, H.F.E.; Townsend, M.; Hillman, J.R.; Schwendenmann, L.; Lundquist, C.J. Blue carbon stocks and cross-habitat subsidies. *Front. Mar. Sci.* **2020**, *7*, 380, doi:10.3389/fmars.2020.00380.
106. Sanders, C.J.; Maher, D.T.; Tait, D.R.; Williams, D.; Holloway, C.; Sippo, J.Z.; Santos, I.R. Are global mangrove carbon stocks driven by rainfall? *J. Geophys. Res. Biogeosci.* **2016**, *121*, 2600-2609.
107. Donato, D.C.; Kauffman, J.B.; Mackenzie, R.A.; Ainsworth, A.; Pflieger, A.Z. Whole-island carbon stocks in the tropical Pacific: Implications for mangrove conservation and upland restoration. *J. Environ. Manage.* **2012**, *97*, 89-96.
108. Kauffman, J.B.; Heidere, C.; Cole, T.G.; Dwire, K.A.; Donato, D.C. Ecosystem carbon stocks of Micronesian mangrove forests. *Wetl.* **2011**, *31*, 343-352.

109. Soper F.M.; MacKenzie, R.A.; Sharma, S.; Cole, T.G.; Litton, C.M.; Sparks, J.P. Non-native mangroves support carbon storage, sediment carbon burial, and accretion of coastal ecosystems. *Glob. Change Biol.* **2019**, *25*, 4315-4326.