Program

SESSION 6: COASTAL BLUE CARBON ECOSYSTEM: CARBON RESOURCES EVALUATION, SOURCES-SINKS PROCESSES AND MANAGEMENT COLLABORATION

Wed. 14 May	(UTC+8) 13:30-17:30 Click to find your local time	
Convenors	Jinzhou Du and Wen-Chen Chou	
Rapporteur	Xiaogang Chen and Mariche Bandibas Natividad	
13:30 - 13:35	Welcome and Introduction	
Oral presentatio 13:35 - 13:55	Xiaogang Chen Seawater recirculation in seagrass beds releases alkalinity and enhancement of the carbon sequestration	
13:55 - 14:15	Neven Cukrov Krka River Estuary as a testing ground for the carbon cycle	[6-13]
14:15 - 14:30	Bing Xu Global mapping of tidal wetland and adjacent environments using tidal analysis and multi-source earth observations	[6-26] al
14:30 - 14:45	Mohammad Rozaimi (online) Blue Carbon: Strengthening the fundamentals with shifting sub-discip	
14:45 - 15:00	Strategies for the management collaboration of coastal blue carbon ecosystems in countries along the Maritime Silk Road	[6-27]
15:00 - 15:15	Yusi Wang Carbon fluxes by SGD in a typical Seagrass meadows ecosystem of northern China - A case study of Swan Lake, Shandong Province	[6-30]
15:15 - 15:35	Break	
15:35 - 15:55	Jian-Jhih Chen Seagrass habitats regulate benthic metabolism and chromophoric dis organic matter dynamics in coastal system	[6-14] solved
15:55 - 16:15	Wen-Chen Chou Expanding blue carbon assessments: the overlooked role of alkalinity seagrass meadows	[6-33] in
16:15 - 16:30	Hongbin Liu Nitrogen-fixing and sulfide-oxidizing symbiotic bacteria reside in the resystem of seagrass <i>Halophila ovalis</i>	[6-4] oot
16:30 - 16:45	Mariche Bandibas Natividad Seagrass drives whole-ecosystem metabolism: seasonal variability in organic metabolism and carbonate dynamics and its implications for of sequestration	
16:45 - 17:00	Hon-Kit Lui Alkalinity and nutrients turn SGD from CO2 supersaturation to undersaturation around two tropical coral islands	[6-23]
17:00 - 17:15	Chen Yu Da Revealing the superiority of dissolved organic carbon fluxes from sub groundwater discharge compared to sediment carbon burial process seagrass beds, Morinje Lagoon, Croatia	
17:15 - 17:30	Najamuddin (online)	[6-19]

Carbon stock and absorption capacity of seagrass in the coastal waters of small islands in North Maluku, Indonesia

Poster Session on 13 May and Virtual poster exhibit on Whova app

Ken-ichi Hayashiaki	[4-10]		
Consumers' perception of the blue carbon initiatives in Japan			
Xilong Wang			
Carbon sink driven by porewater exchange in a mangrove wetland of H			
Shiqing Sun [6			
Source and sequestration of sediment organic carbon in costal area	a		
Novigrad Bay in Split, Croatia			
Tinghsuan Lin	[6-5]		
Diel variations of oxygen and carbon dioxide in a shallow tropical mangr			
lagoon			
Ting-Jui Wang	[6-8]		
Quantifying carbon sequestration of macroalgae through net primary			
production in subtropical regions			
Lea Teresa Ines Angelo	[6-9]		
Quantifying carbon sequestration of macroalgae through net primary			
production (NPP) with the emphasis on photosynthetic quotient (PQ)			
Huayu Chen Effects of biocher and nitrogen addition on accountem earlier sink in	[6-11]		
Effects of biochar and nitrogen addition on ecosystem carbon sink in a salt			
marsh in Yangtze River Delta	[6-15]		
Muhammad Yousuf Adnan [6- From carbon sinks to coastal guardians: The ecological and economic va			
of Pakistan's mangroves	ic value		
or ranstarra mangroves			
Peter Teve Busumprah	[6-22]		
Peter Teye Busumprah West Africa ocean climate innovations hub	[6-22]		
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