

## VENUE : Universidad de Cartagena, Claustro San Agustin

Monday 24th

### Lightning talks

Code	Session 4	Room	Theme
P 4.1	André Guilherme Madeira - The role of oceanic currents in the dispersal and connectivity of the mangrove <i>Rhizophora mangle</i> on the Southwest Atlantic region	Parainfo	I. Protecting and restoring mangrove forests and their biodiversity
P 4.2	Steven W. J. Canty - Do protected areas provide co-benefits to mangroves and coastal communities?		
P 4.3	Anna R. Armitage - Black mangrove ( <i>Avicennia germinans</i> ) regrowth and reproductive output following hurricane and freeze disturbances		
P 4.4	Andrew From - Establishing structural and surface elevation change targets for a mangrove forest undergoing hydrological restoration on Marco Island, Florida, USA		
P 4.5	Rod M Connolly - Fish use of restored mangroves is unrelated to habitat maturity		
P 4.6	Cai Ladd - Identifying suitable sites for mangrove restoration using the low-cost, self-assembled, and open-source 'Mini Buoy' hydrology sensor		
P 4.7	Marina Paixão Gil - Changes in forest structure and aboveground carbon stocks in preserved and impacted mangroves in southeastern Brazil		
P 4.8	Staquet Adrien - Natural establishment of mangroves: Lessons from the muddy open coast of French Guiana		
P 4.9	Michael Kyei Agyekum - Spatio-temporal patterns of mangrove canopy gaps in South Africa: An in-depth analysis		
P 4.10	Jeff Kelleway - Mangrove responses following black summer bushfire impact		
P 4.11	Camila Frances P. Naputo - Assessment of Fish Biodiversity in Two Biogeographic Regions (Sorsogon and Oriental Mindoro) using eDNA metabarcoding: An Emerging Tool in the Philippines		
P 4.12	Melissa Abud - Rehabilitation of the eastern Pacific endemic mangrove, <i>Mora oleifera</i> , in the southern Colombian Pacific		
P 4.13	Kristin Wilson Grimes - Growing Research, Restoration, Outreach, and Education (GRROE) of U.S. Virgin Islands Mangroves		
P 4.14	Lindy Knowles - A Bahamian mangrove creek restored: a decade of the Bonefish Pond Mangrove Restoration Project		

### Poster

Code	Session 5	Room	Theme
P 5.16	Marília Cunha Lignon - Mangrove Forest Dynamics: long-term monitoring using permanent plots in the southeastern Brazilian coast		
P 5.17	Marília Cunha Lignon - Current conservation status of mangrove forests at UNESCO and Ramsar sites in southeastern and southern Brazil		
P 5.18	Marília Cunha Lignon - An estimate of the efficiency in the filtration capacity of mangrove oyster ( <i>Crassostrea brasiliana</i> ) in southeastern Brazil		
P 5.19	Marília Cunha Lignon - Evaluation of seedlings and saplings growth of mangrove species in different sediments		
P 5.20	Alejandra G Vovides - Mangrove restoration trajectories seen through macrozoobenthic community assemblages – a tool for local managers		
P 5.21	Jhon Alexander Osorio - A biotic perspective of mangroves health in South Africa		
P 5.22	Hannah Morrisette - Rapid mangrove monitoring and blue carbon assessments to support Mesoamerican Reef restoration efforts		
P 5.23	Heather A. Stewart - Using mangrove monitoring to inform and guide restoration efforts		
P 5.24	Nicole Cormier - Challenges and opportunities for the management of hydrologically restored wetlands		
P 5.25	Heather A. Stewart - Coexisting mangrove-coral habitat use by reef fishes in the Caribbean		
P 5.26	Anoop Raj Singh - A decadal change on the mangrove colonization on the new intertidal habitats of Andaman and Nicobar archipelago – a post tsunami and subsidence scenario		
P 5.27	Lorae T. Simpson - Do global change variables alter mangrove decomposition? A systematic review		
P 5.28	Phoebe Stewart-Sinclair - Benefits of mangrove restoration in different geomorphic settings		
P 5.29	Bailey Ross - Visual surveys reveal coral growth in mangrove fringes in a subtropical metropolis		
P 5.30	Kerry E. Grimm - Follow the money: Understanding the Latin America and Caribbean mangrove restoration funding landscape to assist organizations and funders in improved social-ecological outcomes		
P 5.31	Eunice Lois D. Gianan - Impacts of varying salinity and inundation on the structural complexity of mangrove stands in the Philippines: an individual-based modeling study		
P 5.32	Alexandra Rodriguez - A conceptual model to support decisions in mangrove restoration based on techniques, knowledge, and experiences in Colombia		
P 5.33	Jack Hill - Adult mangrove roots facilitate juvenile establishment		
P 5.34	Agustin de Jesus Basañez Muñoz - Comparison of mangrove structural values in different conditions of ecological degradation		
P 5.35	Amina Juma Hamza - Changes in Mangrove Cover and Exposure to Coastal Hazards in Kenya		
P 5.36	Angela Inés Guzmán - Project "Research on ecosystem services derived from mangrove forests in the Colombian Pacific". Alliance Universidad Nacional de Colombia - Universidad del Valle		
P 5.37	Zoya E.A. Buckmire - Understanding Grenada's mangroves: zonation, plasticity, and the potential for restoration		
P 5.38	Myra Knowles - The Ecological Impacts of Mangrove Patch Size on Fringe Prop Root-Dependent Communities		
P 5.39	Zixiao Guo - The biogeography of multiple mangrove species in the Indo-West Pacific region		
P 5.40	Alex Pearse - Baseline assessment of carbon stocks before hydrological restoration for a pilot blue carbon project		
P 5.41	A. Aldrie Amir - Tropical vs. subtropical mangrove canopy gaps: Characteristics and their regeneration dynamics		
P 5.42	Maria Camila Guevara Torres - Trophic flow modeling of a mangrove in the Colombian Pacific coast		
P 5.43	Diana Medina Contreras - Combining approaches for modelling trophic pathways supporting a species of fishery importance in a tropical mangrove		
P 5.44	Celio Helder Resende de Sousa - The potential of West and Central African coastal protected areas for Blue Carbon projects and mangrove restoration		
P 5.45	Li Yulong - Genome of mangrove without specialized phenotypes reveals common requirements of adaptation to intertidal environments		

P 5.46	Ranran Zhu - High-quality genome of a pioneer mangrove <i>Laguncularia racemosa</i> corroborates its utility in reforestation efforts
P 5.47	Citra Gilang Qur'ani— Carbon dynamics in various mangroves climate zones and habitat characteristics in Asia and the Pacific
P 5.48	Nico Koedam - A near-century old baseline unexpectedly suggests limited change in part of Bangka island's mangroves (Indonesia)
P 5.49	Maria Elisa B. Gerona-Daga - Variations in chlorophyll fluorescence-derived photosynthetic parameters imply stressed seedlings under different mangrove conditions
P 5.51	Rafael J. Araújo - SEAHIVE: A Shoreline Protection System that Supports Mangrove Ecosystems Restoration and Creation
P 5.52	Martin Zimmer - Mangrove species-specific herbivore communities, potential drivers of their occurrence, and effects of their activity
P 5.53	Laura Ebeler - Development of social-ecological mangrove typologies
P 5.54	Yamian Zhang - Biotic homogenization increases with human intervention: implications for mangrove wetland restoration
P 5.55	Luz Ángela López de Mesa - ABC stories from south American mangroves: Biomass/Abundance comparison of macro-invertebrates from Colombian mangroves in the Pacific and Caribbean coasts suggest moderate disturbance
P 5.56	Dina Rasquinha - Spatio-temporal changes in mangrove forest biomass levels of Bhitarkanika Wildlife Sanctuary
P 5.57	Emma Rossouw - Biodiversity and connectivity of mangrove-seagrass ecosystems in South Africa using a metabarcoding approach
P 5.58	Lydia Slobodian - Around the world with mangrove laws: a global snapshot of national legal frameworks for mangrove conservation and sustainable use
P 5.59	Stephania Alvarez - What is a mangrove forest? Importance of legal definitions in mangrove governance
P 5.60	Lila Uzzell - Natural Recovery for a Mangrove-Coral Community in Hurricane Hole, St. John, USVI
P 5.61	Luis Felipe Santos Becerra - Deterioration of mangroves and its impact on eutrophication increase: evidence in a tropical estuarine lagoon complex
P 5.62	Santiago Millán Cortés - Application of GIS-based landscape metrics for monitoring mangrove restoration and natural regeneration: A local scale approach
P 5.63	Brigitte Gavio - Intertidal algae as occasional refuge for insects in mangrove forests, Pacific Colombia
P 5.64	Kevin Novelo - The importance of partnership expansion and its success for mangrove research, conservation, and management
P 5.65	Olga Lucia Ruiz Morales - NATURE-BASED SOLUTIONS: Restoration of the systems of canals, marshes, mangroves and corals as a mechanism to address the effects of the salt wedge, rising sea levels and coastal erosion in the Sanctuary of Flora and Fauna El Corchal "El Mono Hernández"
P 5.66	Tobias Poprick - Population genetics of mangroves among the Galápagos archipelago
P 5.67	Myriam Arias de López - Evaluation of the damage caused by <i>Coccotyphes rhizophorae</i> in <i>Rhizophora</i> propagules along the Ecuadorian coast.
P 5.68	Nelson Miranda - A cooperative ecological and social survey in Inhambane Bay, Mozambique: bio-indicators, livelihoods, and conservation
P 5.69	Carlos Andres Sisquiarco Torreglosa - Community structure of macroinvertebrates associated with submerged roots of red mangrove in the Rionegro Cove (Necoclí - Antioquia)
P 5.70	Quentin Gusmai - Mangrove typology using Very High-Resolution satellite images, Bombetoka Bay, Madagascar
P 5.71	Loo Yan Ping - Mangrove sediments support a diverse and abundant microphytobenthos
P 5.72	Wah Wah Min - Crab species-specific excavation and architecture of burrows in restored mangrove habitat
P 5.73	Bailey Ross - Mangroves as Fish Habitat: A review of field studies published since 2006
P 5.74	Abigail Barenblitt - If a Mangrove is "Protected", is it? Using satellite-borne LiDAR to understand efficacy of protection status in West African mangroves
P 5.75	Lisa Macera - Evaluate the Good Ecological Status of mangroves thanks to a Rapid Assessment Method
P 5.76	Adriana Santos-Martínez - Post hurricane response and restoration protocol of mangrove forests on san andrés island
P 5.77	Arida Fauziyah - Reassessment of mud crabs <i>Scylla</i> spp. taxonomic identity in Segara Anakan Lagoon, Cilacap, Indonesia.
P 5.78	Angela Inés Guzmán Alvis - Crab burrowing in Colombian Pacific mangroves affects mangrove forest soil organic carbon
P 5.79	Fernando J. Parra-Velandia - Changes in plant and benthic community structure in urban mangroves
P 5.80	Micah Marie G. Bernales - Stand structure and composition of planted mangrove forest seven years post establishment: The case of Mangrove and Beach Forest and Development Project, Philippines
P 5.81	B. Satyanarayana - Mangrove propagules are viable five times longer than previously thought
P 5.82	Benoit Thibodeau - Feeding specialisation and partitioning of nitrogen sources in a subtropical mangrove highlighted by isotope of amino acids
P 5.83	Diana Jacqueline Cisneros de la Cruz - Strengthening local capacities, a pillar in mangrove ecological restoration
P 5.84	Shaohua Xu - Gene loss facilitates gene regulatory network stability and adaptive trait evolution in mangroves invading unstable intertidal zones
P 5.85	Weihong Wu - <i>Nypa fruticans</i> genome reveals its origin and long-term adaptation to the intertidal zones
P 5.86	Jiayan Wang - Genomic evolution underlying propagule dispersal via seawater: A case of <i>Heritiera</i> mangrove species
P 5.87	Krishna Ray - Testing a site-specific approach for ecological restoration of degraded mangrove ecosystems, species communities and ecosystem services: Case study from Indian Sundarbans
P 5.88	Severino G. Salmo III - Optimizing "Blue Carbon" Information as a Complementary Strategy to Mangrove Conservation and Restoration: A Meta-Analysis on Carbon Stocks in Philippine Mangroves
P 5.89	Genea Nichole Cortez - We can't protect what we do not know: Floral diversity assessment of Del Carmen Mangrove Forest in Siargao Island, Philippines
P 5.90	Jalyssa Britt Fermo - Inferences on the role of different mangrove stands in mollusk biodiversity and assemblages in Philippine mangroves
P 5.91	Juan Felipe Blanco - Trophic niches of estuarine fish and evidence of mangrove-fishery causal links in the Southern Caribbean (Colombia)
P 5.92	Juan F. Blanco-Libreros - Tea time in racoon city: (composing) music from decomposing litter to communicate the ecosystem effects of mangrove die-off
P 5.93	Juan F. Blanco-Libreros - Translating land-cover data into music to promote mangrove conservation awareness
P 5.94	John Dorado Roncancio - Bulk density along the colombian coast and its relationship with mangrove forest attributes
P 5.95	Maria José Pacheco Tuberquia - Local perception of the state of mangroves in rural and peri-urban areas (Coincidences and mismatches) in the Urabá Gulf, Colombian Caribbean.
P 5.96	Farid Dahdouh-Guebas - Also species-poor mangrove forests provide rich ecosystem goods and services
P 5.97	Enrique Peña - Plastic pollution in mangrove forests in the colombian pacific coast: a case study in buenaventura bay

## Parainfo

I. Protecting and restoring mangrove forests and their biodiversity

V. Expanding the Global Mangrove Observing Systems, and implementing inclusive technological innovations and education to increase awareness

VI. Changing human relationships with mangrove wetlands

II. Understanding and solving marine pollution in mangrove wetlands



# VENUE : Universidad de Cartagena, Claustro San Agustin

Tuesday 25th

## Lightning talks

Code	Session 9	Room	Theme
P 9.1	Luis Eduardo Servin Garcidueñas - Diversity of bacterial and archaeal communities in mangrove sediments of the Pacific Coast of Mexico	Parainfo	I. Protecting and restoring mangrove forests and their biodiversity
P 9.2	Uday Pimple - Spatio-temporal dynamics of mangrove forest diversity in Eastern Thailand?		
P 9.3	Brosse - Realized ecological niche of a species of interest: <i>Terebralia palustris</i> (Linnaeus, 1767), in the mangroves of the island of Mayotte (France, Indian Ocean).		
P 9.4	Jocelyn Bravo - Additive effects of nutrient enrichment on marsh species composition and mangrove encroachment		II. Understanding and solving marine pollution in mangrove wetlands
P 9.5	Laura Michie - Microplastic Accumulation in Southeast Asian Mangroves		
P 9.6	Kerry E. Grimm - Community member perceptions of mangrove conditions, management, and community engagement in Belize.		
P 9.7	Zoë I. Shribman - Landscape-scale biophysical controls on mangrove blue carbon distribution in Singapore		
P 9.8	Alexis Wilkman - Enabling Blue Carbon Policy Conditions		
P 9.9	Stijn Temmerman - Nature-based flood risk mitigation in a river delta context: evaluating impacts of mangrove conservation versus human conversion		
P 9.10	Verginia Wortel - Tree growth and dynamics in Mangrove forests in the coast of Suriname		
P 9.11	Mondane Fouqueray - Societal acceptance of mangrove (re-)establishment: perspectives from Barú, Colombia, and Setiu Wetlands, Malaysia		
P 9.12	Raymond Ward - Mangroves of the Amazon estuary: a hotspot for global carbon sequestration		
P 9.13	Natalia Zapata Delgado - Permeable structures for climate adaptation in the Colombian Pacific Coast		
P 9.14	Theresa- Fett - Labile or stable? Assessing organic matter recalcitrance - case study on Malaysian mangrove sediments		IV. Unlocking climate action and implementing mangrove-based solutions to climate change
P 9.15	Chaitanya Katharoyan - Drivers of mangrove macrofauna and range shifts in South Africa		

## Poster

Code	Session 10	Room	Theme
P 9.16	Jonas Vollhüter - The mangrove-saltmarsh ecotone: Explaining observed vegetation patterns with a mechanistic modelling approach considering plant-soil-water-feedback		I. Protecting and restoring mangrove forests and their biodiversity
P 9.17	Trialaksita Sari Priska Ardhani - On contrasting mangrove forests and aquaculture in facing sea level rise		
P 9.18	Clare Duncan - Reconstructing pre-Anthropocene mangrove ecosystem distributions		
P 9.19	Johann Delgado - Hydrodynamics of Open Channels in Mangrove Forests		
P 9.20	Cesar Padilla-Mendoza - Influence of wave dissipation on erosion-accretion dynamics in mangroves of the Colombian Pacific		
P 9.21	Jennifer Rowntree - Global patterns of Mangrove genetic diversity		
P 9.22	Andres Molina - Importance of mangrove for fish communities in a highly impacted tropical estuary		
P 9.23	Carolina Rubiano Labrador - Cartagena mangroves: reservoir of bacteria with biotechnological potential		
P 9.24	María A. Camargo - A multi-criteria modelling approach to prioritize mangrove restoration areas: The case study of Hondita bay - La Guajira, Colombia.		
P 9.25	Juan Camilo Rodríguez Atarà - Assessment of temporal changes in the mangrove forest structure following hydrologic rehabilitation actions in the Ciénaga Grande de Santa Marta, Caleta del Tambor sector		
P 9.26	Sebastian Herrera - Hydric rehabilitation in salt flat areas and its effect on interstitial salinity in Cispata bay's mangroves, colombian Caribbean		
P 9.27	Tania carolina Hoyos Ruiz - Comparison of blue carbon techniques for measure in mangrove forests		
P 9.28	Wilmar Sarmiento Serge - Foliar phenotypic plasticity of <i>Rhizophora mangle</i> and <i>Avicennia germinans</i> as potential bioindicators of environmental stress		
P 9.29	Ana Laura Lara Domínguez - The Ramsar Site 1602 Tuxpan Mangroves and Wetlands as a biodiversity refuge.		
P 9.30	Damir Creecy - The potential vertical range of <i>Avicennia germinans</i> in the marsh-mangrove ecotone		
P 9.31	Susan Kotikot - Mangrove cover mapping for ecosystem monitoring using Sentinel-2 in Google Earth Engine		
P 9.32	Natalia Molina Moreira - First record of insects in mangroves of gender rhizophora in ecuadorian cost		
P 9.33	Natalia Molina Moreira - Research program: sustainable biodiversity from mangrove to coral reefs		
P 9.34	Myriam Arias de López/William Galvis - Araneofauna diversity in ecuador's mangroves		
P 9.35	Juan Carlos Aguirre Pabon - Genetic status of two mangrove species ( <i>Avicennia germinans</i> and <i>Rhizophora mangle</i> ) in the Colombian Caribbean: what does DNA tell us about mangrove conservation?		
P 9.37	Itchika Sivaipram - Assessment of Fish Diversity in Mangrove Ecosystem of Thailand using eDNA metabarcoding		
P 9.38	Amna Almansoori - A review of the literature and data sources on mangroves of the Southern Arabian Gulf		
P 9.39	Dan Peng - Acquisitive functional traits driving the tree invasion in mangrove-Spartina ecotone in southern China		
P 9.40	Keila Guillen - Preferences for Mangrove Restoration in The Colombian Caribbean		
P 9.41	Ana Sofia Gil-Ramírez - The mangrove fern <i>Acrostichum aureum</i> (Pteridaceae): literature review and field data of a poorly-known, opportunistic species in the Southwestern Caribbean		
P 9.42	Valerie Kwan - Estimating carbon capture in coastal wetlands restoration with a process-based model		
P 9.43	Elissa Pelsmaekers - Assessment of Macro- and Microplastics in the Mangrove Bay of Gazi (Kenya): Identity, Quantity, Distribution and Sources		
P 9.44	A. Rajkaran - Assessing the utility of crabs and snails as indicators of microplastic pollution in mangrove dominated estuaries: A South African case study		
P 9.45	Christelle Not - Microplastics in Hong Kong mangroves: Spatial and temporal patterns		
P 9.46	Ziyang He - Additional N input may alter the species-specific blue carbon cycling differently in mangroves		

P 9.47	Morgan Mack - Exploring the Vulnerability of Coastal Wetlands to Nutrient Pollution at the Marsh-Mangrove Ecotone
P 9.48	Allie Durdall - Debris in the trees: a comparison of U.S. Virgin Islands mangrove and beach clean-up data collected by citizen scientists
P 9.49	Paola Echeverry Hernández - Coastline dynamics in different mangrove forests of the Colombian Caribbean Sea and Pacific Ocean . Analysis based on remote sensing and field study
P 9.51	Maria Alejandra Ariza Gallego - Invertebrates consuming microplastics in mangroves of the colombian pacific: are feeding behaviors determinant for its abundance?
P 9.52	Véronique Helfer - Spatio-temporal patterns of trace metal concentrations and their potential ecotoxicological effects in mangrove sediments: a global review over 32 years (1988-2019)
P 9.53	Sarah Louise Robin - Leaf litter degradation in an urban semi-arid mangrove forest (New Caledonia)
P 9.54	Guillermo Duque - Concentration of nutrients in soils related to mangrove forests exposed to different degrees of anthropic intervention in the Colombian Pacific
P 9.55	Andrés Molina - Accumulation of microplastics in sediments associated with the state of development of mangrove forests in colombian pacific bays
P 9.56	Luisa Fernanda Gómez García - Forest structure and organic carbon in sediments of Colombian Pacific mangroves
P 9.57	Laura Daniela García Melendez - Polycyclic aromatic hydrocarbons (pah) in seston and sediments in mangrove areas of the central caribbean region of colombia
P 9.58	Lina G. Melo-Flórez - Towards sustainable mangrove management using Ostrom's framework
P 9.59	Mayara de Oliveira - Factors influencing governance of coastal wetland protection and restoration: A case study in Brazil
P 9.60	Jessica Archibald - International, regional, and national policy influences on collaborative mangrove governance opportunities in the Mesoamerican Reef Ecoregion
P 9.61	Mihyun Seol - Carbon farming for resilient livelihoods and landscapes in Mt. Batur, Bali, Indonesia
P 9.62	Allison Holevoet - Can recycled crushed glass be used as a mangrove nursery substrate?
P 9.63	B. Satyanarayana - History revisited: the regime shifts in the world's longest managed mangrove for charcoal and timber production
P 9.64	Mwita Marwa Mangora - The socio-economic role of mangroves and their conservation framework in the Western Indian Ocean region
P 9.66	Marlenë Beca & Yegor Tarelkin - "Dans le sel, nos racines"
P 9.67	Marie Christine Cormier Salem- Promote the mangrove as a nourishing biome, an opportunity for co-benefits between people and nature.
P 9.68	Angelo Bernardino - Flow of ecosystem services in Brazilian Amazon mangroves
P 9.69	Marcela Franco - Nature-based tourism: livelihood and conservation strategy for the communities of the cienaga grande de santa marta
P 9.70	Natalia Peña Gonzalez - Mangrove restoration: perspectives from local communities in the CGSM
P 9.71	María Alejandra Ocampo Rojas - Assessing ecosystem services of mangroves at country scale (Colombia) based on expert opinion
P 9.72	Jin Liang - Can the Ecological Redline Policy meet the demand of management on blue carbon sequestration in mangrove? A case study in Guangdong, Southern China
P 9.73	Catherine Lovelock - Trends in sediment surface elevation of tropical mangroves vary among geomorphic settings
P 9.74	Alexandra Rodriguez - Structured decision-making process to prioritize mangrove restoration: a proposal for the cienaga grande de santa marta (colombia)
P 9.75	Kyaw Myo Lwin - Forest Structure and Site-specific Allometric Models of the Dominant Mangrove Species in Letkhokkon Area, Myanmar
P 9.76	Mohammad Abdul Quader - Disaster risk reduction through mangrove management: A case study of Sundarbans and surroundings
P 9.77	Therese Adgie - Climate change-induced shift in mangrove ranges drives above and belowground changes to salt marsh habitat
P 9.78	Wei-Jen Lin - Mangrove carbon budgets suggest the estimation of net production and carbon burial by quantifying litterfall
P 9.79	Chiao-Wen Lin - Greenhouse gas emissions from subtropical and tropical mangroves during the tidal cycles
P 9.80	Priscille Raynaud - Ecosystem Restoration Standard: a new approach to certify mangrove-based projects in the Voluntary Carbon Market
P 9.81	Elizabeth Francis - Modular Guidance for Blue Carbon Projects
P 9.82	Alice Twomey - Effect of tree geometry and spatial zonation on sediment accretion in mangrove forests
P 9.83	Yudhishthra Nathan - Accommodation space provided by paleochannels in late-Holocene mangrove environments of Singapore
P 9.84	Martin Zimmer - sea4soCieTy - searching for solutions for Carbon sequestration in coastal ecosystems
P 9.85	Mirco Wölfelschneider - The fate of mangrove-derived organic matter in the land-coast-sea continuum: a pledge for finding answers to pressing questions
P 9.86	Kayleigh Svensson - Opening Access to the Measurement, Reporting, and Verification (MRV) of Mangrove Forest Growth and Carbon Storage With Blockchain Technology
P 9.87	Andrea Dueñas Lagos - Fauna Associated With Submerged Roots Of Rhizophora Mangle In The Colombian Caribbean: An Updated Checklist
P 9.88	Ansmarie Soetosenojo - Ngu Chin Tjon - Soil Organic Carbon Stocks in the Mangrove Forest along the coast of Suriname
P 9.89	Paula Andrea Casas Cortes - Evaluating the potential of mangroves to climate adaptation and mitigation: a metanalytic approach
P 9.90	Elizabeth Bogan - Wave Attenuation Through a Mangrove Forest Using LiDAR Representation
P 9.91	Tania carolina Hoyos Ruiz - Mangrove blue carbon in islands vs mainland located in the Caribbean and Pacific coasts of Colombia
P 9.92	Alejandra Robles Sánchez - Salinity and bulk density influence on the morphoanatomy and carbon content in underground roots of the main neotropical mangrove species
P 9.95	Amanda Selene Rojas Aguirre - Root dynamics and effect of logging in a delta estuarine mangrove of the colombian Caribbean
P 9.97	Vilma Machava António - Massive mangrove dieback in Maputo River Estuary, Southern Mozambique
P 9.98	Nádia Gilma Beserra de Lima - Consequences of the accumulation of natural and anthropogenic impacts on mangrove forests

Parainfo

II. Understanding and solving marine pollution in mangrove wetlands
IV. Unlocking climate action and implementing mangrove-based solutions to climate change
III. Achieving sustainable socio-economic development and equity
IV. Unlocking climate action and implementing mangrove-based solutions to climate change

## Thursday 27th

### Lightning talks

Code	Session 14	Room	Theme	
P 14.1	Leyla Roy - Use of terrestrial laser scanner to determine allometric equations and carbon stocks in aboveground biomass of mangrove forests in semi-arid region (New Caledonia)	Paraninfo	V. Expanding the Global Mangrove Observing Systems, and implementing inclusive technological innovations and education to increase awareness	
P 14.2	Elodie Blanchard - MangMap: a new platform for mangrove mapping and monitoring using Earth Observation data			
P 14.3	Angelo Bernardino - Increased mangrove plant biomass and tree density in the Amazon Delta			
P 14.4	Zhiliang Zhu - Tracking loss and recovery of mangrove forests from repeat hurricanes using Landsat			
P 14.5	Karla Ramirez-Ruiz - Assessing Potential Interactive Impacts of Urbanization and ENSO on Mangrove Greenness in the Colombian Caribbean			
P 14.6	Denise Poveda - Mangrove belowground biomass and necromass in Gulf of Nicoya, Costa Rica			
P 14.7	Muhammad Hadi Ikhsan - Visualizing Mangrove Regulating Services in the Form of a Virtual Reality Game			
P 14.8	Stuart Hamilton - A high-resolution annual time series database of global mangrove change from 2000 to 2020			
P 14.9	Ariel Quintanilla - Configuration of the socio-ecological system from the community management of the mangrove forest in the Estero de Jaltepeque, El Salvador.			VI. Changing human relationships with mangrove wetlands
P 14.10	Sana Lynch - Environmental Communication Through Visual Imagery: Using Wahoo Bay, a GrayGreen Installation in Pompano Beach, Florida, as an Educational Tool			
P 14.11	Aniati Ahmed Abdallah - Resilience trajectories of Mayotte mangrove social-ecological systems through the adaptive cycle heuristic			
P 14.12	John Benrich Zuniga - Strengthening Inter-sectoral Convergence in Ecological Mangrove Restoration of Abandoned Brackish-water Fishponds in the Philippines			
P 14.13	Regina Hershey N - Impact of human interferences on N2O fluxes from tropical fragmented mangrove ecosystems, India			
P 14.14	Guilherme M O Abuchahla - The effect of precipitation on sediment bacteria and leaf organic matter leaching along the mangrove-salt flat-continuum in the sine-saloum estuary, senegal			

### Poster

Code	Session 15	Room	Theme	
P 15.16	Sreelekshmi S - Estimation of carbon pools in the vegetation biomass and soil of major mangrove ecosystems of India		IV. Unlocking climate action and implementing mangrove-based solutions to climate change	
P 15.17	K. Anggi Hapsari - Above- and belowground carbon stocks in Caribbean mangroves of the Magdalena River delta, Colombia			
P 15.18	Angélica Quintero - Salinity influence on the flows and accumulation of organic carbon in open waters karstic mangroves			
P 15.19	Daniela Vásquez - Accumulation and distribution of microplastics in sediments of mangrove forests in the bay of tumaco and buenaventura, colombian pacific		II. Understanding and solving marine pollution in mangrove wetlands	
P 15.20	Chuan-Wen Ho - Enhancement of carbon sinks through mangrove afforestation in a tropical constructed wetland park		IV. Unlocking climate action and implementing mangrove-based solutions to climate change	
P 15.21	Luisa Fernanda Mondragon Diaz - Variation in the concentration of nutrients in the soils of mangrove forests exposed to different degrees of anthropic intervention and its relationship with environmental variables, in the Colombian Pacific.			
P 15.22	Precious B. Jacob - Litter Dynamics of Naturally Revegetated Mangrove Forests in Abandoned Aquaculture Ponds in Southern Oriental Mindoro, Philippines			
P 15.23	Juan Pablo Caicedo Garcia - Carbon stocks in mangroves of Isla Fuerte (Colombian Caribbean): a first approximation			
P 15.24	Janis Beuve - The LIFE Adapt'Island project – Nature-based solutions for climate change adaptation in the Caribbean.			
P 15.25	Martin Zimmer - Combined effects of burrowing crabs and tides on carbon fluxes in sediments			
P 15.26	Laura Vanessa Vidal Torralba - Pollution by microplastics in surface waters of mangrove forests of the colombian pacific with different degrees of anthropic intervention.			
P 15.27	Tannia Frausto-Illescas - The WILDCOAST's blue carbon strategy for northwestern Mexico.			
P 15.28	Derrick Vaughn - Lateral Carbon Fluxes from the Florida Everglades			
P 15.29	Mackenzie Taggart - Applying Global Datasets to Recognize Mangrove Carbon Stocks Within the World Bank's Inventory of the Changing Wealth of Nations.			
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V. Expanding the Global Mangrove Observing Systems, and implementing inclusive technological innovations and education to increase awareness

I. Protecting and restoring mangrove forests and their biodiversity

VI. Changing human relationships with mangrove wetlands

II. Understanding and solving marine pollution in mangrove wetlands

VI. Changing human relationships with mangrove wetlands

V. Expanding the Global Mangrove Observing Systems, and implementing inclusive technological innovations and education to increase awareness