		THEME 1	THEME 3				THEME 4		THEME 5 Expanding the Global Mangrove Observing		THEME 6			
	COLOR CODE & DESCRIPTION	Protecting and restoring mangrove forests and Understanding and solving marine pollution in their biodiversity mangrove wetlands			Achieving sustainable socio-economic development and equity				Unlocking climate action and implementing mangrove-based solutions to climate change		Systems, and implementing inclusive technological innovations and education to increase awareness		nging human relationships with mangrove wetlands	
HOUR	Monday 24th	Tuesday 25th Rhizophora forest (Flexible and Hemiciclo Avicennia forest (Auditorio and Magistral			Wednesday 26th	_	Thursd Rhizophora forest (Flexible and Hemiciclo	Thursday 27th e and Hemiciclo Avicennia forest (Auditorio and Magistral		Friday Rhizophora forest (Flexible and Hemiciclo			/ 28th Avicennia forest (Auditorio and Magistral	
8:00	Rhizophora & Avicennia forests José Ernesto Mancera - Welcome message	rooms) Sara Fratini - Genetics and genomics app	roaches	rooms) are powerful tools for conservation of		$\vdash$	rooms)	rooms) scaling of mangrove protection and restoration			rooms) Andre Rovai - Drivers of change and uncertainti		rooms) ties on blue carbon dynamics across the world's	
8:15 8:45	Dan Friess - Celebrating the diversity of the world's mangroves	mangrov Cof	ve biodi fee brea	ik			Coffee		ak		mangroves: A walk through Coffee		ık	
9:00	Coffee break	Marie-Christin Wimmler - Are root graf cooperative traits for mangroves to cop with water stress?	e i	Nur Hannah Abd Rahim - Brachyuran crabs as indicator species for microplastics pollution at Setiu Wetlands, Peninsular Malaysia			Steven Pennings - Loss of mangroves due to hard freeze leads to coastal erosion	e I	Moritz Nusser - Effects of burrowing mud lobsters (Thalassina anomala) on carbon fluxes in mangrove sediments at Setiu Wetland, Terengganu, Malaysia	SESSION 17 SESSION 17 SESSION 16 SESSION 16 SESSION 16 SESSION 16 SESSION 16 SESSION 17 SESSION 17	Marc Simard - A New Global Map of Mangrove Canopy Height Cristian Camilo Montes-Chaura - Use of		Laurel Wood Gutenberg - Remote Sensing of Belowground Carbon in Mangrove Forests- Case Study of Pohnpei, Federated States of Micronesia	
9:15		Daniel Marin Zuluaga - Landscapes of fe in mangrove ecosystems: conservatior and restoration applications based in ca studies		Stefano Cannicci - Mangroves in an industrialized setting: the impact of heavy metals on flora and fauna of mangrove forests in the Greater Bay Area, PR China			Jorge López Portillo - Long-term Monitoring of Hydrological Rehabilitation and Mangrove Restoration in Coastal Lagoon in the Gulf of Mexico		Nadim Daniel Katzer - Effects of mangrove crabs (Ucides cordatus) on carbon fluxes in mangrove sediments.		semi-automated remote sensing techniques for the quantification of mangrove cover in colombia: input for territorial ecosystem management.		Lourdes Celeste Ortega Trasviña - Mangrove conservation and restoration in collaboration with community women groups in the Northwest of Mexico	
9:30	Edward Castaneda - Hurricane Irma effects on mangrove forest structure in the Florida Everglades, USA	Shing Yip Lee - The microphytobentho: drive key ecosystem processes in tropic mangroves		Martha Palacios - Microplastics in angrove ecosystem sediments, pacific coast of Colombia		ESSION 11A	Adriana Parra - A Method for Long Term Monitoring of Mangrove Forest Change Dynamics Using Multisource Remote Sensing: The Ciénaga Grande de Santa Marta, Colombia	B	Josh Breithaupt - Combining Joss-on- ignition with sedimentary and geomorphic settings to characterize mangrove soils: Part 1, Organic Carbon		David Lagomasino - Quantifying the human footprint of mangrove change	SESSION 168	Melva Treviño - Thinking Outside the Blue Economy Box: Achieving Equity in Mangrove Management	
9:45	Vicki Bennion - Decadal Scale Trends in Surface Elevation and Mangrove Tree Growth in Moreton Bay, Queensland, Australia.	Z Anusha Rajkaran - Assessing the health and biodiversity of mangrove forests across a disturbance gradient in South Africa to prioritise actions for restoration	z O	Thanne Walawwe Gedera Fathima Mafaziya Nijamdeen - 4 social methods, 14 districts with 24 stakeholder groups over 34 months study reveal that conservation through legal means is sufficient for successful mangrove co- management			structural metrics, sentinel-1/2 data and field inventory data to map mangrove aboveground biomass in suriname	e e la	Daniel Murdiyarso -Rupesh Bhomia Incorporating coastal blue carbon in the forest reference emissions level and market potentials		Digital Surface Models: examples from the Caribbean and Pacific Coasts		Mark Spalding - Mapping Mangrove Wealth: collaborative efforts to determine global values	
10:00	Kevin J. Buffington - Mangrove responses to sea-level rise: projections of blue carbon and species composition from resilient and vulnerable ecosystems	Andre Jacques Fallaria - Unveiling a hidden world: The assemblage and diversity of epiphytic lichens in differen mangrove habitats of Oriental Mindoro Philippines		Martin Zimmer - Effects of the benthic macrofauna on organic matter fluxes in mangrove sediments		6	erspective on mangrove range limits: Using multiresolution mapping to address discrepancies in the spatial and bioclimatic limits of mangroves on the edge		Sigit Sasmito - Does mangrove conversion to oil palm and coconut plantations alter blue carbon at a similar degree to aquaculture?		Nathan Thomas - All of our Mangrove maps are right!		Alejandra Navarrete - Communicating Science to Policymakers	
10:15	Anoop Raj Singh - Mangrove vegetation response to sea level decrease caused by coastal uplift in North Andaman Islands, India Mériadec Sillanpää -Biotic and abiotic	Jacob J. Bukoski - Shred waves, not carbon: Co-occurrence of surf breaks ar mangrove conservation opportunities		Lina Marcela Escobar - Carbon sequestration and storage in two mangrove forests in the colombian pacific ocean			Atticus Stovall - Exploring 3D Structural Signatures of Mangroves across the Planet		Nico Koedam - The millennial tale of mangrove peat sets hypotheses on coastal geomorphology and vegetation dynamics in Gazi (Kenya) Julio César Herrera Carmona - Climate		Rachel Collin - Application of Open Access Data for National and Sub-National Scale Mapping of Mangrove Cover		Hector Arsenio Tavera Escobar - Updating of the public policy instrument for the integral management of mangroves in Colombia	
10:30	influences on forest growth dynamics across different aged mangrove stands in west papua, indonesia David Alejandro Sanchez - Effects of	Uta Berger - Advances and challenges i computer-based forest modelling to understand and predict mangroves responses to environmental changes	n	Ninon Martinez - Belize Blue Carbon: Establishing a national carbon stock estimate for mangrove ecosystems			Pete Bunting - Global Mangrove Watch (GMW) Mangrove Alerts: Near Real-Time Alerts of Mangrove Loss		Julio Cesar Herrera Carmona - Limate change vulnerability, risks and adaptation strategies for the management of mangrove ecosystems in Colombia Meenakshi Poti - Understanding the nost-		Paulo J. Murillo-Sandoval - Global trends of greening and browning in mangrove ecosystems		Andrea Pressotto - Establishing the relationship between non-human primates and mangrove forests at the global, national, and local scales	
10:45	climate variability and hydrologic rehabilitation measures on long-term mangrove trajectories: from reproduction to recruitment and landscape cover changes	Hannah Bowen - Sap flow characteristi of root-grafted Avicennia germinans individuals	23	Brooke Conroy - Quantifying the capacity of australian mangrove wetlands to store below-ground carbon and maintain substrate elevation with sea-level rise			Thomas Worthington - The Mangrove Restoration Tracker Tool: meeting local practitioner needs and tracking progress of global targets		tsunami mangrove socio-ecological system recovery in the Nicobar archipelago drawing on the adaptive cycle heuristic		Cheuk Yiu Cheung - True Mangrove species in global marine databases: a critical appraisal		Patrick Yeung - Social Participation in Mangrove Conservation in China and its International Contribution	
11:00	Renee L. Piccolo - Finding the window of feasibility for restoration in the face of biophysical, socioeconomic, and governance constraints	Véronique Helfer - Mangrove sedimen metagenomics – delving into the still largely unknown microbial functional diversity	t	Ingrid Julieth Estrada Galindo - Carbon stocks in mangrove ecosystems with different sedimentary setting in the Colombian Caribbean			Julien Andrieu - Can the botanical occurrence data of the GBIF enhance accuracy of mangrove mapping by remote sensing with open-access satellites?		Julián Reingold - Mangroves and Coastal Resilience: Challenges for Reporting on Socio-Ecosystem Services across Latin America, Africa and Asia		Lola Fatoyinbo - New system to map mangrove degradation in the Caribbean and Gulf of Mexico			
11:15	Gabriela J. Reyes - Despite Being Smaller in Area, Urbanized Mangroves Provide Important Functions Along the Atlantic Coast of Florida	Danielle E. Ogurcak - Using causal modeling to understand resilience of mangrove ecosystems to hurricane impact	N 7B	Tim Jennerjahn - The "true" 'Blue Carbon' storage in mangrove sediments: autochthonous vs. allochthonous contributions, labile vs. stable organic matter	FIELD TRIPS	174	Ken W. Krauss - Net ecosystem exchange of CO2 in mangroves: estimation from leaf, tree, and stand water use characteristics		Asma' Jamal - Understanding local community perspectives of mangrove ecosystem disservices in Kuala Selangor, Malaysia: A pilot study		Alison K.S. Wee - Environmental DNA (eDNA) metabarcoding of ichthyofauna in Asian mangrove ecosystems revealed spatial challenges in community-level analysis			
11:30	Nasreen Peer - Drivers and impacts of brachyuran distribution in South African mangroves	Steve Schill - Drones and Doves: Creatin a more accurate national-scale mangrow inventory for The Bahamas	ESSION	Main Uddin - Importance of mangrove plantations for blue carbon sequestration and climate change mitigation in Bangladesh		SESSION	Validation of a Model of the Response of Adjacent Mangroves and Saltmarshes to		Thorsten Balke - Mangrove research framing has changed from crisis to ecosystem services: a text mining analysis		Tadashi Kajita - Challenges to Understand Global Mangrove Biodiversity by eDNA Metabarcoding		nns le sel, nos racines" (In salt, our roots) documentary film by Sabali Expeditions (Premier)	
11:45	Nadine Heck - Global drivers of mangrove loss in protected areas vary across governance and IUCN categories	Colla Fatoyinbo - A new regional map o mangrove extent for Southeast Asia shows losses of 44% between the 1970 and 1996		Luri Nurlaila Syahid - Spatiotemporal pattern of mangrove blue carbon in Southeast Asia as a nature-based solution			Sundarbans xenogamous pollination is preferred in Bruguiera gymnorrhiza and Avicennia spp., the most successful ones used commonly for mangrove afforestation ventures		Ana María C. Ortiz - Difference in the use of mangrove forest and its relationship with resource availability and change of ancestral practices in Afro-descendant and Embera-indigenous communities.		Gustavo A. Castellanos-Galindo - The role of mangrove typology and biogeography in structuring mangrove fish assemblages in the American continent	5		
12:00	Jennifer Howard - Costs of restoring global mangrove forests	Henrique Bravo - Size does not matter functional diversity indices help predic endangered mangrove forests around Hong Kong	t I	Radhika Bhargava - Failed adaptations to mangrove shoreline erosion: Implications for socio-economic vulnerability in the Sundarbans			Nicolas Moity - A first assessment of biomass and carbon estimation for Galapagos' mangrove forests Giovanna Wolswijk - How does forest		Kinsey Blumenthal - Mangroves and human health through a medical ecology framework		Stefan Sorge - Identifying most influential factors and related innovation development patterns in mangrove governance innovations in Colombia			
12:15	Di Nitto - Joining forces for the Red List of Mangrove Ecosystems	Catherine Lovelock - Enhancing sustainable mangrove restoration succe through objective-based Global Mangrove Restoration Guidelines		Siddharth Narayan - The spatial and temporal distribution of mangrove coastal protection benefits against storms			management impact soil carbon in mangroves? A (10 m) deep study in the Matang Mangrove Forest Reserve, Malaysia		Andrés Fraiz - Characterization of freshwater coastal wetlands in areas adjacent to the mangrove ecosystem in Tonosí, Pacific coast, Republic of Panama	in	Tom Van Der Stocken-Future changes in seawater properties across mangroves globally and implications for dispersal			
12:50	Lunch "Dans le sel, nos racines" (In salt, our roots) A documentary (Iin by Sabali Expeditions (Premier)					Lur		nch		Lunch		Lunch		
14:00	Suhua Shi - Evolution of coastal forests based on a full set of mangrove genomes	Lianne Ball - Applying Ecological Mangrove Restoration Protocols Within Structured Decision-Making Framewor for Improved Outcomes	k	Samantha Chapman - Incorporating WETFEET project results into a new sea level rise model to estimate nutrient sinks in mangrove ecosystems						∞	Norman C Duke - What is so special about the mangrove genus Pelliciero (Tetrameristaceae) in equatorial America?			
14:15	Ronny Peters - The impact of species- and site-specific hydraulic plant parameters on the forest structure – what do we (need to) know?	Jaramar Villarreal-Rosas - Social feasibili and ecological suitability are key for identifying mangrove restoration priorities, even under tight decision- making deadlines	in je	Erik Yando - Carbon dynamics across the mangrove-tidal flat ecotone in a tropical seascape		Jui	from experiments in the field			210		he Mangrove Finch in the Galapagos:		
14:30	Alejandra G Vovides -Thorsten Balke - Identifying establishment thresholds of mangrove pioneer species – Implications for restoration	Maria-Esther Espinoza-Celi - Where ca new mangroves establish within a larg tropical river delta?: Quantifying hydrodynamic and geomorphological thresholds for new mangrove establishment		Zachary Cannizzo - International Collaboration to Enhance the Management and Carbon Accounting of Mangrove Ecosystems						SES				
14:45	C Karen Diele - Point of (no) return? Mangrove restoration practices set different trajectories for the (re) establishment of benthic diversity and ecosystem functionality	LOJS Jean-Philippe Belliard - On the impacts - ENSO on mangrove sediment accretion and adaptability to sea level rise	ESSI	Lisa Schile-Beers - Monetizing Carbon Storage: Progress and pitfalls in mangrove carbon project development			Virginie Tsilibaris - ROM: a mobile App designed for mangrove managers		Armando Soares dos Reis-Neto - Historical Ecology of Brazilian mangroves: past, present and future					
15:00	Ulrich Salzmann - Tracing the legacy of environmental change and human impact in mangroves of North Sulawesi, Indonesia	<ul> <li>Rupesh K Bhomia - Carbon Dynamics in Mangrove Ecosystems of Andaman Islands: A living laboratory for studying natural disturbance and ecological succession</li> </ul>		June Marie Mow - MangRes: Mangrove restoration as a nature-based solution in biosphere reserves in Latin America and the Caribbean		13A		1 O N 13E	Nicole Chabaneix - The Climate-Smart Mangrove Decision-Support Tool: helping mangrove practitioners climate-smart mangrove conservation and restoration		Concluding remarks			
15:15	Valerie Hagger - Drivers of global mangrove loss and gain in social- ecological systems	Dominic Andradi-Brown - Linking national-scale policy interventions to mangrove conservation outcomes Victoria Alejandra Sierra Luna - Functior		Timothy Thomson - Nutrient enriched mangrove sediments show evidence of carbon loss and altered biogeochemical properties		SFSSI	virtual reality to demystify and normalize mangroves as critical parts of our coastal landscape	SE	n the Cienaga Grande of Santa Marta		id recognitions			
15:30 15:45	Robert Twilley - Coastal morphology explain global mangrove blue carbon Break	analysis of benthic macrofauna in mangroves of the tropical Eastern Pacif (Colombian Pacific coast)		Fernando Arenas - Did sea level rise cause the disappearance of South California's mangroves during the Early Holocene?	-		Layla Olefs - Ecological Influencers - What people know and think about mangroves on social media. Bri	reak	Barend van Maanen - Mangroves and Mud: investigating the impacts of human activities on estuarine landscape development		Break			
16:00 16:15 16:30 16:45	Moving to Cartagena University					Moving to Cartagena University		Moving to Cartagena University s (SESSION 14)		Announcement of MIMM7 host country Moving to Cartagena University				
17:00 17:45	Lightining Talks (SESSION 4)					Lightining Talk	lks (Sl							
18:00	Poster exhibition (SESION 5)	er exhibition (SESION 5) Poster exhibition (SESION 10)					Poster exhibition (SESION 15)							
19:00 19:15 20:00 18:45 19:00 19:15 19:30	Cultural activities - Acto Inaugural	zs - Acto Inaugural Semanglares V Workshop Semanglares V Workshop			CELEBRATING MANGROVE DAY 2023		Semangiares V Workshop		Semanglares V Workshop		Closing Ceremony			
19:45 20:00														