

# WORLD SEAGRASS CONFERENCE PROGRAMME

## 10 June (Sunday): Registration Day

Time	Event/Activity	Venue
1000-1800	Registration	Education Resource Centre (ERC) Courtyard
1800-2200	Welcome drinks	ERC Courtyard

## 11 June (Monday): WSC Day 1

Time	Event/Activity	Venue	Event/Activity	Venue
0830-1000	Opening	NUS UTown Auditorium 2 (Auditorium 2)		
1000-1030	Tea	Auditorium 2		
1030-1130	<b>Plenary 1: Seagrasses in the Anthropocene: Predicting cumulative human impact and its effect on functional connectivity in tropical seascapes (By: Dr Alana Grech)</b>	Outside Auditorium 2		
	<b>Session 1A: Monitoring and Management</b>		<b>Session 1B: Seagrass Ecology</b>	
1130-1145	ISBW016: Evolving ideas for monitoring colonising seagrasses	Auditorium 2	ISBW026: Effects of temporal variation and geographical distribution on the synthesis of key biochemical descriptors of <i>Zostera marina</i> populations	LT50
1145-1200	ISBW049: Normalized Difference Seagrass Index (NDSgl): Standardizing the vegetation index for subtidal seagrass habitats using remote sensing images	Auditorium 2	ISBW015: High levels of genetic diversity and gene flow in the marine angiosperm <i>Amphibolis antarctica</i> (Labill.) Asch.	LT50

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1200-1215	ISBW183: Estuary management and seagrass meadows: Using stable isotope analysis to maintain ecosystem health.	Auditorium 2	ISBW101: Connectivity in coastal seascapes: macro to micro-scale processes driving nutrient uptake in seagrass systems	LT50
1215-1230	ISBW186: Seagrass condition targets in the Great Barrier Reef	Auditorium 2	ISBW149: Unlikely nomads: Settlement, establishment, and dislodgement processes of vegetative seagrass fragments	LT50
1230-1245	ISBW208: Pressure-impact relationships assessment: a first step towards the development of integrated toolbox for the evaluation of ecological status of French tropical seagrass beds	Auditorium 2	ISBW094: Reconstructing the invasion history of the tropical seagrass, <i>Halophila stipulacea</i>	LT50
1245-1300	ISBW059: Time is running out! Why we need a new evidence base for monitoring change in vegetated coastal ecosystems	Auditorium 2	ISBW083: Synergies between warming and eutrophication on seagrass ( <i>Cymodocea nodosa</i> ) health and performance	LT50
1300-1400	<b>Lunch</b>	Outside Auditorium 2		
	<b>Session 2A: Ecosystem Services 1</b>		<b>Session 2B: Resilience to stressors</b>	
1400-1415	ISBW158: Seagrass ecosystem services – what's next?	Auditorium 2	ISBW074: Effects of Abrupt Hyposalinity Exposure On Leaf Growth And Survival Of The Turtle Grass <i>Thalassia hemprichii</i> (Ehrenberg) Ascherson, 1871	LT50
1415-1430	ISBW113: An overlooked role of below-ground biomass in reducing sediment erosion by seagrass beds	Auditorium 2	ISBW043: Effects of desalination brine and high salinity on the temperate seagrass <i>Posidonia australis</i>	LT50
1430-1445	ISBW132: An ecosystem service approach to decision-making in the Ria Formosa lagoon (south Portugal)	Auditorium 2	ISBW102: Guiding environmental flow delivery to a hypersaline lagoon: importance of considering life-stage specific habitat requirements for seagrass recovery	LT50

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1445-1500	ISBW095: Fishery food webs vary among seagrass types in the Great Barrier Reef World Heritage Area	Auditorium 2	ISBW017: Molecular investigation of heavy metal stress in the seagrass, <i>Zostera muelleri</i>	LT50
1500-1515	ISBW150: Distribution patterns of <i>Portunus pelagicus</i> in Talibon, Bohol and Concepcion, Iloilo, Central Philippines: Significance of seagrass and mangrove habitats on early life stages	Auditorium 2	ISBW146: Recreating the shading effects of ship wake induced turbidity to test acclimation responses in the seagrass <i>Thalassia hemprichii</i>	LT50
1515-1530	ISBW054: Socio-economic valuation of seagrass meadows in the Pulai River Estuary through a well-being lens	Auditorium 2	ISBW097: Resistance and recovery of an estuarine seagrass to extreme summer rainfall events	LT50
1530-1615	<b>Tea</b>	Outside Auditorium 2		
	<b>Session 3A: Ecosystem Services 2</b>		<b>Session 3B: Blue Carbon 1</b>	
1615-1630	ISBW118: Diurnal and Sub-diurnal Impacts of Tropical Seagrass Community Metabolism on the Seawater Carbonate System	Auditorium 2	ISBW063: Singapore blue carbon: What is the influence of a seagrass bed on mangrove forest carbon dynamics?	LT50
1630-1645	ISBW110: High Macrophyte Canopy Complexity Enhances Sediment Retention and Carbon Storage in Coastal Vegetative Meadows at Trangken Bay, Phuket, Southern Thailand	Auditorium 2	ISBW077: Modern carbon burial rates in seagrass ecosystems: strengthening their contribution in the ocean carbon budget	LT50
1645-1700	ISBW176: The Sedimentation Rates of Coastal Water in the Middle Bank Seagrass Meadow	Auditorium 2	ISBW103: Tropical seagrass meadows need help to retain its status as a high-capacity carbon sink: contextual evidences from blue carbon studies in Malaysia	LT50
1715-1730	ISBW142: Modelling the relationship between coastal discharges and seagrass habitat suitability for the Adelaide Coastal Waters	Auditorium 2	ISBW109: Blue Carbon Stocks Assessment of <i>Thalassia hemprichii</i> (Ehrenberg) Ascherson, 1871 in Selected Sites of Pujada Bay, Philippines	LT50

<b>Time</b>	<b>Event/Activity</b>	<b>Venue</b>	<b>Event/Activity</b>	<b>Venue</b>
1730-1745			ISBW124: Impacts of Recent Climate Change on Seagrass's Carbon Sink Potential	LT50
1800-1900	<b>IUCN Seagrass Red Listing Re-evaluation</b>	Auditorium 2		

## 12 June (Tuesday): WSC Day 2

Time	Event/Activity	Venue	Event/Activity	Venue
0900-1000	<b>Plenary 2: How the interactome is opening new windows into seagrass physiology (By: Prof. Peter Ralph)</b>	Auditorium 2		
1000-1030	<b>Tea</b>	Outside Auditorium 2		
	<b>Session 4A: Recruitment and recovery</b>		<b>Session 4B: Community Engagement, Outreach, Awareness</b>	
1030-1045	ISBW029: Set-backs and successes: Seagrass restoration in the Dutch Wadden Sea	Auditorium 2	ISBW071: A proposed decision support tool for prioritising conservation planning of Southeast Asian seagrass meadows	LT50
1045-1100	ISBW036: Reproductive phenology and recruitment in populations of the temperate seagrass <i>Posidonia australis</i>	Auditorium 2	ISBW147: From environmental education to community capacity-building: Kelab Alami and community engagement through seagrass	LT50
1100-1115	ISBW080: Recruitment facilitation to rehabilitate lost <i>Amphibolis antarctica</i> in South Australia	Auditorium 2	ISBW007: Ethnophycological aspects of seagrass, a step towards its conservation in Andaman Islands.	LT50
1115-1130	ISBW099: Contrasting trajectories of recovery for Great Barrier Reef coastal seagrasses: the key role of propagule supply and recruitment.	Auditorium 2	ISBW002: Lessons learnt from a community seagrass monitoring group: A unique deep water temperate seagrass experience from Rockingham, Western Australia	LT50
1130-1145	ISBW105: Sand capping of muddy sediment improves the light conditions and anchoring capacity of sediments to support recovery of eelgrass ( <i>Zostera marina</i> )	Auditorium 2	ISBW133: REASE: A regional network to raise awareness on ecosystem services provided by seagrass meadows in the Algarve (south Portugal)	LT50
1145-1200	ISBW134: Shaping the coast: Hydrodynamics and bottom complexity inducing eelgrass seed trapping	Auditorium 2	ISBW187: Engaging multidisciplinary science students in a seagrass fieldwork project at St John's island (Singapore)	LT50

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1200-1215	ISBW114: Ten years conservation effort enhances seagrass cover and carbon storage at Koh Tha Rai, Nakhon Si Thammarat Province, Thailand	Auditorium 2	ISBW159: Seagrass-Watch: two decades of participatory scientific monitoring and science-based education provides insight into global seagrass resource status	LT50
1215-1345	<b>Lunch</b>	Outside Auditorium 2		
	<b>Session 5A: Faunal Interactions</b>		<b>Session 5B: Blue Carbon 2</b>	
1345-1400	ISBW013: Impacts of megaherbivores on expansion of invasive seagrass in the Caribbean	Auditorium 2	ISBW165: Robust rates of blue and black sequestration for two <i>Enhalus</i> seagrass meadows (Sabah, Malaysia) using a validated SIT geochronology and corrected for measured rates of decomposition over centennial time scales	LT50
1400-1415	ISBW055: "Strategic or Opportunistic?" – Subtidal Seagrass Use by Dugongs in the Sibutinggi Archipelago, Johor, Malaysia	Auditorium 2	ISBW108: Carbon storage in seagrass ecosystems along the Andaman coast of Thailand	LT50
1415-1430	ISBW112: The Dugong and Seagrass Research Toolkit	Auditorium 2	ISBW178: The drivers of blue carbon stocks in seagrass meadows of the Andaman and Nicobar archipelago, India	LT50
1430-1445	ISBW115: Keep off the grass: using exclusion cages to understand the interactions between herbivores in structuring seagrass meadows	Auditorium 2	ISBW190: Role of carbonate burial in "Blue Carbon" ecosystems budgets	LT50
1445-1500	ISBW181: Green turtles mediate fish community assembly in seagrass meadows	Auditorium 2	ISBW206: The contribution of beach-cast seagrass wrack to CO <sub>2</sub> emissions under wet and dry conditions	LT50
1500-1515	ISBW093: Latitudinal variation in seagrass herbivory: global patterns and explanatory mechanisms	Auditorium 2	ISBW088: The potential of Australian blue carbon ecosystems for climate change mitigation - a national assessment.	LT50
1515-1600	<b>Tea</b>	Outside Auditorium 2		

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	<b>Session 6A: Faunal Interactions</b>		<b>Session 6B: Seagrass Biology</b>	
1600-1615	ISBW012: First report of seagrass boring bivalve ( <i>Zachisia</i> , Teredinidae) in Malaysian water	Auditorium 2	ISBW045: Using metagenomics to reveal the taxonomic and functional diversity in seagrass rhizospheres across environmental gradients	LT50
1615-1630	ISBW073: Hydrodynamics affects pipefish behavior, metabolic rates and habitat choice in seagrass	Auditorium 2	ISBW004: Flowers of the intertidal seagrass <i>Halophila stipulacea</i> (Forsskål) Ascherson: A new record from tropical coast of Tanzania, Indo-Pacific	LT50
1630-1645	ISBW156: Fish assemblages in an undisturbed seagrass habitat	Auditorium 2	ISBW023: FISHing for cable bacteria in oxic-anoxic microsites of seagrass roots	LT50
1645-1700	ISBW179: Size-specific shoaling behaviour of the key Mediterranean herbivore fish <i>Sarpa salpa</i> and its importance for their feeding strategy	Auditorium 2	ISBW058: Anther wall development, microsporogenesis and microgametogenesis in <i>S. filiforme</i> (Cymodoceaceae).	LT50
1700-1715	ISBW117: Increasing seagrass habitat complexity enhances crab's density: a case study from Koh Tha Rai, Thailand.	Auditorium 2	ISBW116: Leaf plastochrone interval and rhizome growth dynamics of <i>Enhalus acoroides</i> (L.f.) Royle in a muddy coast: Implications for age-reconstruction techniques	LT50
1715-1730	ISBW123: Influence of Habitat Complexity and Proximity to Adjacent Habitat on Fish Communities in Tropical Forereef Seagrass Meadows	Auditorium 2	ISBW177: Exploratory analysis of how seagrass biological attributes affect their bed sediments	LT50
1730-1745	ISBW064: High rates of herbivory in remote seagrass meadows of the Kimberley, north-western Australia	Auditorium 2	ISBW191: Thermal dependence of seagrass ecosystem metabolism in the Red Sea	LT50
1900-2100	<b>Poster session &amp; cocktails</b>	Outside Auditorium 2		

### 13 June (Wednesday): WSC Day 3

Time	Event/Activity	Venue	Event/Activity	Venue
0900-1000	<b>Plenary 3: Overcoming seagrass blindness in a coral-centric world (By: Dr Jillian Ooi)</b>	Auditorium 2		
1000-1030	<b>Tea</b>	Outside Auditorium 2		
	<b>Session 7A: Resilience</b>		<b>Session 7B: Population dynamics, diversity and connectivity</b>	
1030-1045	ISBW065: The global distribution of the seagrass biome	Auditorium 2	ISBW027: Understanding genetic resilience: spatial patterns and drivers of clonal richness	LT50
1045-1100	ISBW068: Seagrasses in Transition	Auditorium 2	ISBW061: Genomic vulnerability, resilience and adaptation: the future for the seagrass, <i>Zostera capensis</i>	LT50
1100-1115	ISBW163: What do we know of seagrass ecosystem resilience – a systematic review	Auditorium 2	ISBW086: Improving seagrass conservation using molecular toolkits	LT50
1115-1130	ISBW155: Spatial data for managing coastal seagrasses in Queensland, Australia.	Auditorium 2	ISBW098: Mass seagrass declines, composition and spatial changes instigated by a marine heat wave in Shark Bay Marine Park	LT50
1130-1145	ISBW168: Preliminary findings following the relocation of the seagrass <i>Halophila beccarii</i>	Auditorium 2	ISBW188: Implications of population genetic diversity and connectivity of <i>Zostera muelleri</i> over the species' range	LT50
1145-1200	ISBW189: The Red Sea Seagrass Microbiome	Auditorium 2	ISBW203: Short-term genetic consequences of fragmentation for the tropical seagrass <i>Enhalus acoroides</i>	LT50
1200-1330	<b>Lunch</b>	Outside Auditorium 2		



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1330-1430	<b>Plenary 4: Inclusive management: A road trip to consider gender for better seagrass use and conservation (By: Dr Maricela de la Torre Castro)</b>	Auditorium 2		
	<b>Session 8A: Meadow dynamics</b>		<b>Session 8B: Restoration</b>	
1430-1445	ISBW050: Assessing the differences in seagrass meadows from the Eastern Tropical Pacific and the Caribbean: insights from renewed seagrass research in Costa Rica.	Auditorium 2	ISBW039: Experiences from large-scale transplantation of eelgrass in Danish waters	LT50
1445-1500	ISBW069: Seagrass decline in response to a decade of aquaculture effluent disposal in Hainan, tropical China	Auditorium 2	ISBW009: Experimental Transplantation Of 500m <sup>2</sup> Of <i>Posidonia oceanica</i> In Monaco	LT50
1500-1515	ISBW081: Comparison of image collection and data verification methods for mapping seagrass meadows in North Carolina, USA using fixed-wing and multicopter drones	Auditorium 2	ISBW154: Feasibility of <i>Posidonia oceanica</i> restoration after mechanical damage	LT50
1515-1530	ISBW107: Population dynamics and growth patterns of <i>Thalassia hemprichii</i> in mixed seagrass beds in Southern Guimaras, Philippines	Auditorium 2	ISBW169: Overcoming the seed of doubt for improved seagrass restoration	LT50
1530-1545	ISBW010: A comparison of ecological attributes in degraded and healthy seagrass beds in coastal Kenya	Auditorium 2	ISBW067: Unpacking the steps required for the effective use of seed in seagrass restoration	LT50
1545-1600	ISBW011: GIS-Based Vulnerability Assessment of Seagrass Meadows In Different Study Areas In The Philippines	Auditorium 2	ISBW052: Seagrass-bivalve interactions and lessons for restoration	LT50
1600-1645	<b>Tea</b>	Outside Auditorium 2		
	<b>Session 9A: Impacts and stressors</b>		<b>Session 9B: Physiology</b>	

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1645-1700	ISBW022: The effects of climate and environmental conditions on <i>Zostera muelleri</i> non-structural carbohydrate composition	Auditorium 2	ISBW044: Twenty-two years of photosynthetic measurements using PAM fluorometry: Benefits earned and lessons learned	LT50
1700-1715	ISBW035: Impacts of <i>Sargassum</i> Brown Tides on Near-Shore Seagrass Meadows	Auditorium 2	ISBW066: Low oxygen affects photophysiology and the level of expression of two-carbon metabolism genes in the seagrass <i>Zostera muelleri</i>	LT50
1715-1730	ISBW057: Land use is a better predictor of tropical seagrass condition than marine protection	Auditorium 2	ISBW079: Differences in morphological, physiological, microbial and flowering traits between native and invasive populations of <i>Halophila stipulacea</i>	LT50
1730-1745	ISBW072: Response of three tropical seagrass species to in situ nutrient enrichment and seasonality in light availability in Hainan, China	Auditorium 2	ISBW090: Photoprotection of tropical seagrasses in the upper intertidal	LT50
1745-1800	ISBW129: Multiple anthropogenic disturbances on <i>Posidonia oceanica</i> : synergies, early warnings, and conservation tips	Auditorium 2	ISBW127: Effects of low light on the optimal temperature for productivity in the tropical seagrass <i>Halophila ovalis</i> (R.Br.)	LT50
1815-1830	ISBW140: The effect of nutrient enrichment outweigh ocean warming on performance of seagrass <i>Zostera capensis</i> from the West Coast of South Africa	Auditorium 2	ISBW153: Lipids of seagrass <i>Halodule uninervis</i> in varying environmental conditions in Bolinao, Philippines	LT50
1900-2130	<b>Public Talk: Translating Seagrass Science into Action</b>	Auditorium 2		

## 14 June (Thursday): WSC Day 4

Time	Event/Activity	Venue	Event/Activity	Venue
Morning	<b>Local fieldtrip (departure time varies)</b>			
1200-1300	<b>Lunch</b>	Outside Auditorium 2		
1300-1400	<b>Seagrass taxonomy in an era of genomics — what advances are possible, and what aren't</b>	Auditorium 2		
1400-1500	<b>PIANC Dredging Guidelines</b>	Auditorium 2		
1500-1530	<b>Tea</b>	Outside Auditorium 2		
	<b>Session 10A: Mapping and surveys</b>	<b>Auditorium 2</b>	<b>Session 10B: Physiology</b>	
1530-1545	ISBW014: Spatio-temporal dynamics of seagrass in the mariculture parks of Southern Philippines	Auditorium 2	ISBW038: Site-specific ammonium toxicity in seagrass <i>Zostera muelleri</i>	LT50
1545-1600	ISBW106: Seagrass mapping in the Philippines using Landsat 8 imageries	Auditorium 2	ISBW041: Responses of invasive and native <i>Halophila stipulacea</i> populations to thermal stress	LT50
1600-1615	ISBW030: Study of seagrass habitats from the Andaman and Nicobar Islands, India	Auditorium 2	ISBW053: Tropical seagrass mediated iron and phosphate solubilization from oligotrophic carbonate-rich sediment	LT50
1615-1630	ISBW037: Revising the distribution map of tropical seagrass beds in southeast Asia	Auditorium 2	ISBW082: Effects of temperature and salinity on the functional traits and photosynthesis-irradiance relationship of the seagrass <i>Halophila ovalis</i>	LT50
1630-1645	ISBW040: Title TBC	Auditorium 2	ISBW193: Seasonal metabolic rates of seagrass communities along a latitudinal gradient in the Red Sea	LT50
1645-1830	<b>WSA Meeting</b>	Auditorium 2		
1830-1900	<b>Pick-up at UTown to Conference Dinner</b>			
1900-2200	<b>Conference Dinner and Award Ceremony</b>	Kent Ridge Guild House		

