

AMSA 2018 DRAFT PROGRAM

Time	Sunday 1 July 2018			
	Workshop 3	Workshop 8	Workshop 9	
	The University of Adelaide	The University of Adelaide	The University of Adelaide	ACC
8:30	Marine Biosecurity (Organiser: Richard Stafford-Bell, Craig Sherman)	3D Modelling for Ecology: Getting photogrammetry right in difficult environments (Organiser: Gus Porter, Marine Lechene and Tom Taylor)	Marine Citizen Science: sharing successes and lessons for improved outcomes (Organiser: Jacqui Pocklington)	Registration
9:00				
10:00				
11:00				
12:00				
13:00				
14:00				
15:00				
16:00				
17:00				
18:00				
Adelaide Convention Centre				
18:00-19:30	Welcome Function			

Time	Monday 2 July 2018				
8:30-9:00	Registration Hall C				
9:00-9:30	Welcome to Country & official opening				
9:30-10:15	Keynote (Gary Greene)				
10:15-11:00	Morning Tea				
	Short talks chairs symposia				
11:00-11:15	S3 - Whiteway: Collaborating to maximise Australian seabed mapping efforts				
11:15-11:30	S13 - McCauley: Blue whales across southern Australia				
11:30-11:45	S1 - Kaempf: Interaction of oceanic flows with submarine canyons				
11:45-12:00	Exhibitor presentations				
12:00-13:30	Lunch Exhibition hub				
	Hall C	E1	E2	E3	Skyway
	S3 Seafloor Mapping in Australia – Progress, Discoveries, Applications	S13 From sea to coast – marine mammals in a connected world	S1 Cross-shelf Exchange Processes	G5 Estuaries and coasts	Indigenous Engagement Initiative (Workshop)
13:30-13:45	Mackay: 100% of the World Ocean floor mapped by 2030 - Contribution of the South and West Pacific Regional Data Assembly and Coordination Centre to the Seabed 2030 initiative	Sequeira: Convergence of marine megafauna movement patterns in coastal and open oceans	Gale: Variable Across-Shelf Nutrient Fluxes in the Albany Group of Canyons	Borland: Habitat type and beach exposure shape fish assemblages in the surf zones of ocean beaches	
13:45-14:00	Parnum: Innovations in using acoustic backscatter in seafloor habitat mapping	Meynecke: The influence of environmental drivers on marine mammal strandings on the east coast of Australia	Steinberg: Seasonal Cross-shelf Exchanges along the Great Barrier Reef	Brennan: Thermal Performance of Seagrass-Associated Estuarine Fishes	
14:00-14:15	Novaczek: Regional seabed mapping with crowd-sourced bathymetry	Moller: Behaviour, Movements and Occupancy Patterns of Blue Whales Satellite Tagged in Southern Australian Waters	Liu: Eddy-current interaction in the Leeuwin Current off the lower west coast of Australia	Rasheed: The Critical Role of Mega-Herbivores in Structuring Great Barrier Reef Seagrass Communities and their Services	
14:15-14:30	Nanson: A new genetic classification and mapping approach for seafloor features on the Australian continental margin	Torre-Williams: Newborn humpback whale (<i>Megaptera novaeangliae</i>) observations in the Gold Coast Bay, Queensland, Australia	Middleton: Upwelling along the shelves of the Greater Australian Bight. Part I: the role of submarine headlands and valleys	Clarke: Overlap in Fish Assemblages Observed Using Pelagic and Benthic BRUVS	
14:30-14:45	Huang: Semi-automatic Mapping of Seabed Geomorphic Features	Genoves: Social network analyses of common bottlenose dolphins (<i>Tursiops truncatus</i>) reveal social units with differential habitat use in the Patos Lagoon estuary and adjacent coastal waters in Southern Brazil	van Ruth: Seasonal- and event-scale variations in the influence of upwelling on enrichment and primary productivity in the eastern Great Australian Bight	Williams: Taking a deeper look: Quantifying the differences in fish assemblages between shallow and mesophotic temperate rocky reefs	
14:45-15:15	Afternoon Tea				
	S3 Seafloor Mapping in Australia – Progress, Discoveries, Applications	S13 From sea to coast – marine mammals in a connected world	S1 Cross-shelf Exchange Processes	G5 Estuaries and coasts	Indigenous Engagement Initiative (Workshop)
15:15-15:30	Bergersen: Simultaneous Surface and Subsurface Mapping: Benefits for Better Understanding Biological and Geological Processes	Cagnazzi: Combining 10 years of photo-identification mark-recapture data of Australian humpback dolphin in a changing environment	Greenwood: Influence of internal tides on nutrient supply and phytoplankton biomass along the Sahul continental shelf	McGarvey: Longer food chains in pelagic ecosystems: trophic energetics of animal body size and metabolic efficiency	
15:30-15:45	Johnstone: Amphibious Coastal and Nearshore Mapping Following a Massive Earthquake in Kaikoura, New Zealand	Bailleul: Biologically important areas for iconic species and apex predators in the Great Australian Bight	Ribo: Environmental and morphological controls on the particle fluxes in the Gulf of Valencia, NW Mediterranean	Huveneers: There's a time and a place for food – can juvenile lemon sharks (<i>Negaprion brevirostris</i>) work it out?	
15:45-16:00	Beaman: Project 3D-GBR: Bathymetry grid development and geological science outputs	Sorrell: Aerial imagery and its role in fur seal population monitoring	Ribbat: Source Waters of an Offshore Artificial Reef off Sydney, Australia.	Meyer: Assessing the dietary effects of white shark cage-diving on target and non-target species using fatty acid profiling	
16:00-16:15	McNeill: Lidar and multibeam data reveals the complex morphology of Halimeda algal bioherm inter-reef habitat in the northern GBR	Pirota: Thar she blows: An economical custom-built drone for assessing whale health	Redondo-Rodriguez: Hydrodynamics of Coffin Bay	Perryman: Social network structure and fine-scale site fidelity in a reef manta ray population in Raja Ampat, West Papua	
16:15-16:30	Cowdery: Uses and Applications of Airborne LiDAR Bathymetry for Coastal Zone Management in Western Australia and Victoria	Vendl: A comparative analysis of the respiratory microbiome of four whale species: Humpback whales (<i>Megaptera novaeangliae</i>), blue whales (<i>Balaenoptera musculus</i>), gray whales (<i>Eschrichtius robustus</i>) and long-finned pilot whales (<i>Globicephala melas</i>)	Woo: Observing the Oceans with Gliders: Tools for Data Visualisation and Analysis	Smallwood: Comparing biological data for recreational fisheries from boat ramp surveys, Tour Operator Returns and fish skeletons	

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16:30-16:45	short break				
	S3 Seafloor Mapping in Australia – Progress, Discoveries, Applications	S13 From sea to coast – marine mammals in a connected world	S2 Extremes: Causes, Symptoms, and Impacts	G5 Estuaries and coasts	Indigenous Engagement Initiative (Workshop)
16:45-17:00	Johnson: Seemap Australia - National release of a benthic habitat mapping service for the Australian continental shelf.	McIntosh: Australian Fur Seal Pup Numbers Remain Depressed: Results of the 2017-18 Census	Smith: Sub-seasonal to Seasonal Sea Surface Temperature Forecasts for applications in the Australasian Region	Fairweather: Are Associations of Intertidal Scavengers like Guilds of Predators or Assemblages of Herbivores?	
17:00-17:15	Ingleton: SeaBed NSW State-wide Mapping Program: Prioritisation and Recent Discoveries in the Illawarra	Charlton: Life histories of Southern right whales in South Australia based on three decades of research	Feng: MJO induced diurnal sea surface temperature variations off northwest shelf of Australia observed from Himawari geostationary satellite	Bingham: Functional plasticity in vertebrate scavenger assemblages in the presence of introduced carnivores	
17:15-17:30	Siwabessy: Marine acoustic mapping of turbid, macro-tidal coastal environments – a large-scale example from tropical northern Australia	Peters: New insights into the diet of the endangered Australian sea lion in South Australia; what we knew then, what we know now	Kavi: Cracking the Indian Ocean Dipole Code	Frid: Take a dump: Ecological functioning of the benthos during two decades of sewage sludge disposal.	
17:30-17:45	Pygas: Review and Meta-analysis of the Importance of Remotely Sensed Habitat Structural Complexity in Marine Ecology	Reinhold: Exploring the use of hard part analysis in conjunction with DNA methods to describe Long-Nosed Fur Seal dietary profiles.	de Burgh-Day: An assessment of ACCESS-S1 ocean forecast skill around New Zealand for marine industry applications	Dissanayake: Ecosystem functioning: Global conservation in mudflats	
17:45-18:00	Boutros: Integrated Image-Based Surveys of Reef Fish and Their Habitat	Goldworthy: Assessing the impacts of seal populations on the seafood industry in South Australia	Giraldo-Ospina: Looking for Evidence of Deep Reef Refugia: Can a Single Extreme Marine Heatwave Cause Change in Marine Benthic Communities in Offshore Reefs?		
Hall C					
18:10	Tribute to Joe Baker				
18:30-20:30	Poster Session (Foyer)				

Tuesday 3 July 2018					
8:30-9:00	Registration				
Hall C					
9:00-9:05	Introduction, Housekeeping				
9:05-9:50	Keynote (Matt England)				
9:50-10:35	Keynote (Gretta Pecl)				
10:35-11:15	Morning Tea				
	Hall C	E1	E2	E3	Skyway
	S6 Marine Climate Change from Shelves to Deep Seas	S13 From sea to coast – marine mammals in a connected world	S3 Seafloor Mapping in Australia – Progress, Discoveries, Applications	G5 Estuaries and coasts	S15 Aquaculture Blue Economy
11:15-11:30	Audzijonyte: Size matters to fish: trends, drivers and implications of fish body sizes in temperate Australia	Fulham: Comparative ecology of human-associated <i>Escherichia coli</i> in endangered Australian sea lion (<i>Neophoca cinerea</i>) pups	Miller: A rapid method for benthic habitat mapping and its use in South Australia's marine parks network	Kelleway: Variability in the response of blue carbon to tidal restoration: a 20-year record from the lower Hunter estuary	Li: Effects of temperature, substrate type and water current on the performances of <i>Donax deltooides</i> and <i>Katelaysia rhytiphora</i>
11:30-11:45	Blanchard: Why physiologists and ecologists need to talk: alternative assumptions about temperature-dependence affect projected responses to climate change from individuals to ecosystems	Batley: Genome-wide association study of an unusual dolphin mortality event reveals candidate genes for susceptibility and resistance to cetacean morbillivirus	Young: Temporal dynamics of subtidal reef communities across a seascape and the impact of marine protected areas	Mosley: Restoring tidal connections and geochemical conditions to achieve coastal ecosystem restoration and carbon sequestration at the Dry Creek salt field	Bansemmer: Reducing wild derived dietary fish meal inclusion levels in production diets for large Yellowtail Kingfish (<i>Seriola lalandi</i>).
11:45-12:00	Kingsbury: Changes in Trophic Niche Use as Tropical Fish Move Poleward	Casa: First Detection of Short Chain Chlorinated Paraffins (SCCPs) in Humpback Whales (<i>Megaptera novaeangliae</i>) Foraging in the Antarctic Waters	Wines: Predicting Species Richness and Biomass using Multibeam Sonar and Baited Cameras in Victoria's Largest Marine Protected Area	Jones: Estimating Mangrove Biomass and Carbon Content Using Unmanned Aerial Vehicles	Legrand: Mucosal microbiomes of the commercially important aquaculture species Yellowtail Kingfish (<i>Seriola lalandi</i>) and markers of changing health status
12:00-12:15	Holland: Latitudinal patterns in the distribution of low-trophic-level fish biomass shaped by oceanographic variables	Taylor: Novel, less invasive sampling for anthropogenic pollutant investigations in pinnipeds	Daniell: Improving Fishing Mortality Rate Estimates for Management of the Queensland Saucer Scallop Fishery	Tsang: Sediment Arsenic in Darwin Harbour	Danckert: Diversity and plasticity: the intestinal microbiome of aquacultured abalone
12:15-12:30	Baudron: Impact of Life History Traits on the Warming-Induced Changes in Distribution of the Northeast Atlantic Fish Species Assemblage	Lindsay: Management of endemic hookworm disease in an endangered pinniped, <i>Neophoca cinerea</i>	Munroe: Biogeochemical maps reveal distinct land and marine-based influences in an urbanised coastal embayment		
12:30-14:00	Lunch				
Exhibition & Poster hub					
	S6 Marine Climate Change from Shelves to Deep Seas	G2 Life history and connectivity in the ocean	S4 Advances in Marine Ecological Classification	G5 Estuaries and coasts	S15 Aquaculture Blue Economy
14:00-14:15	Ikpewe: The impact of temperature on growth rates of demersal fish species in the West of Scotland	Galaiduk: Characterizing Ontogenetic Habitat Shifts In Marine Fishes: Advancing Nascent Methods For Marine Spatial Management	Flynn: Combined Biotope Classification Scheme (CBiCS): A new marine ecological classification scheme to meet new challenges, Part I: Components and hierarchies	Middleton: Coastal Observations using Airborne Lidar	Currie: Colour Change Kinetics of Greenlip Abalone, <i>Haliotis laevigata</i> Donovan, Fed Dried Macroalgae Meals
14:15-14:30	Nay: Do Fish Prefer Friends? Trade-offs Between the Presence of Conspecifics, Heterospecifics, or Predators and Thermal Preference.	Sexton: Spawning patterns of sardine (<i>Sardinops sagax</i>) provide further evidence for multiple stocks off eastern Australia	Edmunds: Combined Biotope Classification Scheme (CBiCS): A new marine ecological classification scheme to meet new challenges, Part II: Case studies, morphospecies and image scoring	Lymburner: Change detection and coastal characterisation using tidal composite imagery from Digital Earth Australia	Skordas: The effect of dietary inclusions of dried <i>Gracilaria cliftonii</i> meal and high water temperatures on feeding and behaviour of juvenile greenlip abalone (<i>Haliotis laevigata</i>).
14:30-14:45	Porter: Changes to habitat structure drive fish assemblages... Tell me more! Tell me in 3D.	Oxley: Identifying the unidentifiable: a novel approach for discriminating and estimating biomass of cryptic fish species.	Fellowes: Classifying the Geomorphic Planforms of Embayed Beaches	Auricht: Have droughts and increased water extraction from the Murray River (Australia) reduced coastal ocean productivity?	Thomson: Impacts of vitamin K1 on tissue vitamin K levels, immunity, oxidative status and survival of greenlip abalone (<i>Haliotis laevigata</i>) at high summer water temperatures.
14:45-15:00	Nagelkerken: Species Interactions Drive Fish Biodiversity Loss in a High-CO2 World	Hawes: Modelling the connectivity of the black cod (<i>Epinephelus daemeli</i>): where do the larvae go?	Porskamp: Benthic Habitat Mapping: Multiscale Hierarchical Classification in Victoria, Australia	O'Mara: Response of Estuarine Food Webs to Sediment Delivery from Catchments during Flooding	Fontanini: Juvenile Roe's abalone (<i>Haliotis roei</i>) ability to survive a marine heatwave is greatly compromised under global warming scenarios.
15:00-15:15	Wootton: Novel methods to assess long-term trends in size and age at maturity in fish: a story of harvest and warming	Schilling: Evaluating estuarine nursery use and life history patterns of tailor (<i>Pomatomus saltatrix</i>) in eastern Australia	Parsons: Soundscape Monitoring and Metrics in the Marine Environment	Dunn: The occurrence and distribution of a stalked barnacle on blue swimmer crabs in South Australian Gulfs	Nayar: Industrial scale harvesting of cultivated marine microalgae using polyelectrolyte flocculants for food and feed applications

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Afternoon Tea					
15:15-15:45	S6 Marine Climate Change from Shelves to Deep Seas	G2 Life history and connectivity in the ocean	G4 Carbonate shelves	G6 Open theme	S15 Aquaculture Blue Economy
15:45-16:00	Machovsky-Capuska: The effects of Sea Surface Temperature on Prey Quality and Nutritional Niche, In a Generalist Marine Predator	Schlaefer: Limited Connectivity Between Local Jellyfish (<i>Copula sivickisi</i> , Class Cubozoa) Populations	James: Stranded quarternary aeolianites, SE Australia, a conceptual link between marine source and terrestrial deposition	McEnnulty: Estimates of Zooplankton Biomass in Australian Waters	Davison: South Australian Aquaculture: Zoning in on Aquaculture Zone Policies
16:00-16:15	Lauchlan: Climate-mediated species range shifts along multi-stressor mosaics in coastal environments	Murphy: Resolving Cephalopod Trophic Ecology in Relation to Body-Size in the Tasman Sea Mesopelagic Environment.	Picard: Origin of high density pockmark fields and their use in inferring near-seabed current: A case study from Oceanic Shoals Marine Park, northern Australia	Rocha: Biogeochemical Modeling of the East Australian Current System	Hoare: Ecological sustainable development of South Australian aquaculture blue economy
16:15-16:30	Oellermann: Mechanistic Insights to Limits of Thermal Performance in Australian Spiny Lobsters	Rogers: Environmental and ecological drivers of habitat use of white sharks (<i>Carcharodon carcharias</i>) in Spencer Gulf and the Great Australian Bight	Brooke: The Lord Howe seamount chain and the development of atolls	Hodgson-Johnston: Australia's Integrated Marine Observing System in 2018: Planning for Impact	Phillips: Climate Change Impacts on Lobster Fisheries: Globally
16:30-16:45	Hariato: respR: A new R package for efficient and unbiased analysis of aquatic respirometry data - with marine environmental stress case studies	Bradshaw: Predicting sustainable shark harvests when stock assessments are lacking	Smitha: Biodiversity of Macrobenthic Molluscs along the Continental Shelf of Southwest Coast, India	Zhang: Sustainable utilisation of South Australian marine biodiversity towards a blue bio-economy	
16:45-17:00	Black: Free Ocean Carbon Dioxide Enrichment (FOCE) investigation on Southern Ocean benthic marine communities: Primary producer behavioural, physiological and community composition responses.	Cecino: Dispersal and Metapopulation Persistence: a Network Approach			
17:00-18:00	AMSA state branch meeting				
	Workshop 13				
	ACC or UoA(tbc)				
18:30	National Seabed Mapping Coordination Workshop (Organiser: Kim Picard, Nathan Quadros, Daniel Ierodiaconou)	Student and ECR mentoring night			
19:30					
20:30					
21:30					
22:30					

Wednesday 4 July 2018					
8:00-9:00	Registration				
7:45-9:00	"Bacon & egghead breakfast" (limited places) tbc				
	Hall C				
9:00-9:05	Introduction, Housekeeping				
9:05-9:50	Keynote (Ashley Rowden)				
	Short talks chairs symposia				
9:50-10:05	S5 - Pratchett: Changing Structure and Function of Coral Reef Assemblages in the Anthropocene				
10:05-10:20	S11 -Bryars: 5-years in: Is South Australia's marine parks network being effective at biodiversity conservation?				
10:20-10:35	S8 - Doblin: Functional Traits of Phytoplankton along Environmental Gradients				
10:35-11:15	Morning Tea				
	Exhibition & Poster hub				
	Hall C	E1	E2	E3	Skyway
	S5 Structure and function of coral reefs in a changing world	G1 Deep sea and canyon ecology	S11 Marine biodiversity conservation – what's effective?	S10 Marine biosecurity in an increasingly-connected world	S8 Marine microbes as mediators of ocean processes
11:15-11:30	Lechene: The application of large-area mosaic imaging to coral reef community assessment	Schlacher: Environmental heterogeneity promotes fauna diversity in submarine canyons	Brock: The importance of remote offshore Island Sanctuary Zones in South Australia's marine parks network	McDonald: Towards a national collaborative approach to marine biosecurity science	Patten: Scenario driven shifts in upwelling and downwelling drive food web structure in the eastern Great Australian Bight
11:30-11:45	Brown: The dynamics of coral-algal interactions in space and time on the southern Great Barrier Reef	Beckley: Bremer Canyon: Insights into the Pelagic Food Web	Ortodossi: Seascape connectivity shapes reserve performance on exposed coastlines		Catalano: Microbiomics from the deep: exploring the microbial diversity of deep sea sponges from the Great Australian Bight
11:45-12:00	Hoey: Differential Resilience of Macroalgal- and Coral-Dominated Habitats to Disturbance	Rowden: Quantifying the transfer of terrestrial organic matter to the deep ocean in submarine canyons using the compound-specific stable isotope (CSSI) technique	Przeslawski: Applying geoscience to biodiversity monitoring: Case studies from an Australian Marine Park	Sherman: Range expansion and the impacts of an invasive sea star on the behaviour and morphology of a native bivalve	McLaughlin: Photo-physiological response of phytoplankton to tidal mixing in coastal waters of north-western Australia.
12:00-12:15	Sommer: Community Assembly Along the Tropical-to-temperate Transition: Mechanistic Insights From Eastern Australia	Cook: 40 years of surveying deepwater benthic continental slope and canyon habitats in the western North Atlantic.	Parra: Ecogeographic and anthropogenic drivers of dolphin distribution: Informing future spatial conservation planning in a Marine Park in South Australia	Lee: A gelatinous pest: Settlement preferences of the invasive ascidian <i>Ciona intestinalis</i> in South Australia	Dafforn: Assessing the impacts of stormwater discharges on sediment microbes and biogeochemical cycling in urban waterways
12:15-12:30	Ferrari: 3D models reveal trade-offs between coral growth and thermo-tolerance	Kloser: Micronekton assemblages and bioregional setting of the Great Australian Bight: a temperate northern boundary current system	McLeay: Southern Rock Lobster population responses inside a Marine Protected Area following three summers of protection	Carter: Using science to inform biosecurity management in a complex regulatory environment	Gibb: Functional indicators of human impact (nutrient load) in a macro-tidal tropical harbour
12:30-13:30	Lunch				
	Exhibition & Poster hub				

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	Hall C	E1	E2	E3	
	S5 Structure and function of coral reefs in a changing world	G1 Deep sea and canyon ecology	S11 Marine biodiversity conservation – what's effective?	S10 Marine biosecurity in an increasingly-connected world	S8 Marine microbes as mediators of ocean processes
13:30-13:45	Wilmes: Specific Timing Of Ontogenetic Shifts In The Diet And Habitat Of Newly Settled Juvenile <i>A. cf. solaris</i> And Consequences For Individual Growth	Scanes: Mine Waste and Acute Warming Induce Energetic Stress in Key Deep-sea Fauna	Whitmarsh: Varying effects of anthropogenic stressors on fish assemblages: a comparison of four case studies	Howe: An expanded monitoring and management program for marine invasive species in Victoria's marine protected areas.	Hallegraef: Unprecedented Alexandrium blooms in a previously low biotoxin risk area of Tasmania, Australia
13:45-14:00	Chase: Spatial prevalence of coral-fish interactions and the benefits of aggregative fish for coral populations	Williams: Canyon habitats of the commercial pink ling: structure, distribution and management	Jordan: Evaluation and prioritisation of threats to marine environmental assets in order to achieve effective biodiversity management	Pocklington: Utilizing citizen science for marine pest detection in marine protected areas	Turnbull: Paralytic Shellfish Toxins in Tasmanian Southern Rock Lobster
14:00-14:15	Dawson: Reef Islands Dominated by Foraminiferan Sands Will be Most Sensitive to Climate Change Impacts and Ecosystem Shifts	Wiltshire: Predicting Environmental Suitability for Key Benthic Taxa in an Ecologically and Economically Important Deep-sea Environment	Niner: No net loss as a policy approach for marine biodiversity protection	Herbert: Aquatic animal disease and marine pest surveillance in Australia	Farrell: Seasonal Variations in Blooms of <i>Dinophis</i> spp. and Diarrhetic Shellfish Toxins on Wild Harvest Beaches Along the New South Wales Coast
14:15-14:30	Radice: Stable isotopes indicate role of upwelling and coral heterotrophic feeding following mass bleaching in remote coral reefs of Maldives, Indian Ocean	Gunton: Polychaetes from Australia's Eastern Abyss	Logan: Combination of underwater video methods is more effective at surveying demersal fish assemblages across habitats	McArdle: Northern Australia: the first or final frontier?	Seeger: Adsorption of Fish-Killing Algal Toxins to Clay Particles as a Mitigation Strategy for Harmful Algal Blooms
14:30-14:45	Gissi: Alterations in the coral microbiome following exposure to metals	Dittmann: Depth related changes of benthic assemblages from canyons to intertidal coasts	Haberstroh: Baited video, but not diver video, detects a greater abundance of legal size target species within no-take areas at Ningaloo	Deveney: Environmental detection of biosecurity relevant organisms using molecular methods: practical implementation	Davies: Ecology of the Dinoflagellate Genus <i>Tripos</i> in Australian Waters
14:45-15:15	Afternoon Tea				
	S6 Marine Climate Change from Shelves to Deep Seas	G1 Deep sea and canyon ecology	S11 Marine biodiversity conservation – what's effective?	S10 Marine biosecurity in an increasingly-connected world	
15:15-15:30	Rodriguez-Dominguez: Effects of global warming and ocean acidification on fish fitness traits	Hosie: Diversity and Host Specificity of Barnacles Inhabiting the Sponge Order Dictyoceratida in Australian Waters	Baring: Functional classifications add value to faunal count data for marine park performance assessments	Buss: Rapid transmission and pathogenesis of <i>Bonamia</i> infection in <i>Ostrea angasi</i>	
15:30-15:45	Grainger: Long-term Acclimation of Feeding Energetics to Ocean Acidification in an Ecologically Important Sea Urchin, <i>Heliocidaris erythrogramma</i> , From Southeast Australia	Li: Spatial distribution of sponge species richness: lessons learned from spatial predictive modelling and pattern predictions	Reis: Assessing the relative vulnerability of Chondrichthyan species as bycatch using spatially reported catch data series	Roberts: PIRSA's aquatic animal disease prevention and response management: Pacific oyster mortality syndrome as a recent case example	
15:45-16:00	Coni: Ocean Acidification May Buffer the Negative Impacts of Tropical Sea Urchins at Temperate Latitudes	King: Diversity in the Deep: deep sea amphipods and isopods (Crustacea) of the Great Australian Bight	Simpson: Exploring seahorse habitat choice: Will seahorses choose artificial habitat over natural habitat?	Ellard: Are marine biofouling and ballast water species potential vectors of aquatic animal disease?	
16:00-16:15	Falkenberg: Approaches to project physiological effects of environmental change: examples from ocean acidification	Crowther: First comprehensive study of sea anemones (Cnidaria: Actiniaria) from the deep sea of the Great Australian Bight: 2015 & 2017 surveys	Hein: Investigating long-term responses of coral assemblages to coral restoration: Case studies from around the world	Carew: Recreational Boat Operators' Self-management of Biofouling in Australia	
16:15-16:30	short break				
	S6 Marine Climate Change from Shelves to Deep Seas	G6 Open theme	S11 Marine biodiversity conservation – what's effective?	S10 Marine biosecurity in an increasingly-connected world	
16:30-16:45	Doubleday: Marine life breaking rules by building shells in acidic extremes	NN: The National Marine Science Plan in 2018	Kaber: Assessment of Coral Reef Ecosystem for Determination of Carrying Capacity in Marine Ecotourism Management within Dampier Strait Marine Protected Area of Raja Ampat	Lavender: MarinePestPlan 2018-2023: Australia's national strategic plan for marine pest biosecurity	
16:45-17:00	Said: Effect of future global warming on the productivity of a widely distributed seagrass	Lara-Lopez: How the Integrated Marine Observing System can play a role in education	Huveneers: Regional benefits of shark-diving tourism in developed economies		
17:00-17:15	Ferreira: Functional Loss of Grazing Drives Runaway Expansion of Weedy Species in a Near-Future Ocean	Arthur: The Role of CSIRO's Marine National Facility in Training Australia's Future Marine Experts	Apps: Turning wildlife experiences into conservation action: Can white shark cage-dive tourism influence conservation behaviour?		
17:15-17:30	Hayes: The role of Glycine betaine in range expansions; protecting mangroves against extreme freeze events.	Abbott: CAPSTAN: interdisciplinary training for next generation of marine scientists	Edyvane: A cetacean biodiversity hotspot in Timor-Leste and the potential for marine ecotourism development		
17:30-17:45	Walden: A Future 1.2 °C Increase in Ocean Temperature Alters the Quality of Mangrove Habitats for Marine Plants and Animals				
		Workshop 4	Workshop 6	Workshop 12	
	RIAUS (tbc)	ACC (tbc)	ACC	ACC or UoA (tbc)	
18:00	Public Forum, Q&A (tbc)	Challenges & solutions to measuring & demonstrating connectivity in Marine Protected Area (MPA) networks (Organiser: Alice Jones, Alison Wright, Simon Bryars, Thomas Prowse)	Prepare high quality applications for sea time on the MNF RV Investigator (Organiser: Ben Rae, Sally Mus)	CBICS – Road-testing a new marine ecological classification scheme (Organiser: Adrian Flynn, Matt Edmunds)	
19:00					
20:00					
21:00					
22:00					
22:30					

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Time	Thursday 5 July 2018			
8:30-9:00	Registration			
	Hall C			
9:00-9:05	Introduction, Housekeeping			
9:05-10:00	Award ceremony and Jubilee award presentation			
	Short talks chairs symposia			
10:00-10:15	S7 - Thompson: Scaling the Oceans			
10:15-10:30	S9 - Beheregaray: Genomics of marine organisms: contributions to ecology and evolution			
10:30-10:45	S16?			
10:45-11:15	Morning Tea			
	Hall C	E1	E2	E3
	S9 Genomics of marine organisms: contributions to ecology and evolution	S7 Micro- to Macro-: Connecting multi-scale climate change research in marine systems	S16 Marine Debris: The world-wide pollution crisis acting on local to global scales	S14 Assessing and mitigating ecosystem effects of fishing and aquaculture
11:15-11:30	DiBattista: Genomics Reveals Patterns of Dispersal, Cryptic Lineages, and Vagrant Reef Fish Along the Coast of Western Australia	Hobday: Climate change adaptation efforts for species may be antagonistic to natural evolutionary responses	Wilcox: Finding the Missing Plastic – Resolving the Global Mass (Im)Balance for Plastic Pollution in the Ocean	Earl: Assessing the effectiveness of underwater seal crackers for reducing the impacts of fur seals on South Australia's Lakes and Coorong Fishery.
11:30-11:45	Iacchi: Genomically-informed Fisheries Management of White Seabass (<i>Atractoscion nobilis</i>)	McDonald: Anomalous chlorophyll a events under global environmental change	Richardson: Understanding causes of gear loss provides a sound basis for fisheries management	Mazor: Synthesizing the global extent and impacts of trawl fishing
11:45-12:00	Dudgeon: Walking, swimming or hitching a ride? Phylogenetics and biogeography of the walking shark genus <i>Hemiscyllium</i> .	Young: The wind and wave climate of the Southern Ocean	Smith: Tracing the Source of Plastic Bottles on Beaches in Northern New South Wales, Australia	Hamilton: Technical mitigation measures to reduce marine mammal bycatch in commercial trawl fisheries: lessons learnt and future directions.
12:00-12:15	Villacorta-Rath: Can dispersal history drive spatio-temporal phenotypic differences between Southern rock lobster (<i>Jasus edwardsii</i>) post-larvae?	Ullah: The Cumulative Effects of Global Climate Change and Local Ecosystem Drivers on a Temperate Coastal Ecosystem	Peters: Plastic plight on our shores: An insight into marine debris in the Gulf St Vincent bioregion, South Australia.	MacLeod: Presence or Function: Which is most important in environmental impact assessment? (Considerations from Aquaculture EIAs)
12:15-12:30		Eriksen: Status and Trends of Australia's ocean environment: an assessment of our oceans based on biological, physical and chemical indicators	Schuyler: Economic Incentives Reduce Plastic Inputs to the Ocean	Morgan: Genetic structure found among Australian east coast populations of snapper, <i>Chrysophrys auratus</i> (Sparidae) using microsatellites
12:30-13:30	Lunch			
13:30-14:00	AMSA AGM			
	Hall C	E1	E2	E3
	S9 Genomics of marine organisms: contributions to ecology and evolution	S7 Micro- to Macro-: Connecting multi-scale climate change research in marine systems	S16 Marine Debris: The world-wide pollution crisis acting on local to global scales	G5 Estuaries and coasts
14:00-14:15	Silva: Drivers of diversification in rock lobsters	Figueira: Characterising range expansion potential of tropical vagrant fishes	Tetu: Plastic Leachate Exposure Affects Photosynthesis Of Marine Prochlorococcus	Nedosyko: Oysters are the Future: Shellfish Reef Restoration Strengthening Australia's Blue Economy
14:15-14:30	Miller: Seascape genomic analysis of a commercially important mollusc- integrating population genetics, genomics and marine LiDAR data	Champion: Changing windows of opportunity: Past and future climate-driven shifts in temporal persistence of kingfish (<i>Seriola lalandi</i>) oceanographic habitat within southeast Australian bioregions	Browne: Unraveling procedural from environmental contamination by polymers using representative procedural controls and multifactorial statistics tests.	McAfee: Oyster optimism – restoring the past to conserve the future
14:30-14:45	Sandoval-Castillo: Seascape genomics reveals adaptive divergence in a connected and commercially important mollusc, the greenlip abalone (<i>Haliotis laevigata</i>), along a longitudinal environmental gradient	Taylor: Investigating the role of Competitive Processes in Mediating Range Expansions of Tropical Vagrant Fish	Stojkovic: Microbial Populations Associated With Plastic Within The Aquatic Sediments	Tanner: Recruitment facilitation to rehabilitate lost Seagrass in South Australia
14:45-15:00	Lavery: Adaptive genetic divergence in chitons	Cetina-Heredia: Predicted Climate Driven Change to Eastern Rock Lobster Larval Flow across the Tasman Sea	Lawson: Why, how and where to monitor plastic pollution	Kelly: Social licence and citizen science: Potential and progress
15:00-15:15	van der Reis: Preliminary analysis of New Zealand scampi (<i>Metanephrops challengeri</i>) diet using metabarcoding	Booth: Tropical fishes in temperate Australia: what drives the ups and downs?	Willis: How successful are waste abatement campaigns and government policies at reducing plastic waste into the marine environment?	O'Brien: The diversification of eDNA studies on a global scale and a novel application: estuaries and citizen scientists
15:15-15:45	Afternoon Tea			
	S9 Genomics of marine organisms: contributions to ecology and evolution	G6 Open theme	S16 Marine Debris: The world-wide pollution crisis acting on local to global scales	
15:45-16:00	Attard: From conservation genetics to conservation genomics: A genome-wide assessment of blue whales (<i>Balaenoptera musculus</i>) in Australia	Connell: Has the study of ecological impacts become a religion?	Davies: The role of science to inform marine debris threat abatement policies in NSW	
16:00-16:15	Barcelo: Population genomic structure of Australian Common dolphins (<i>Delphinus delphis</i>)	Fernandes: Nitrogen Tipping Points for Seagrass Conservation	Wilson: Putting the Science into Marine Debris Citizen Science Monitoring	
16:15-16:30	Pratt: The genomic basis of ecotype formation in bottlenose dolphins (genus <i>Tursiops</i>)	Nayar: Nitrogen acquisition and resource allocation strategies in temperate seagrass <i>Zostera nigricaulis</i> : Uptake, assimilation and translocation processes	Foulsham: Scientific monitoring of marine debris in coastal environments to inform and assess litter reduction policy in NSW	
16:30-16:45	Fraser: The contribution of rhizosphere microorganisms to sulfide intrusion in seagrasses	Lockyer: Use of Single Sperm Densities in Fertilisation Assays May Significantly Underestimate Toxicity	Hardesty: A useful framework for addressing mismanaged waste that can end up as marine debris	
18:30-24:00	Conference dinner (ACC, Panorama room)			

AMSA 2018 DRAFT PROGRAM

Friday workshops

Time	Friday 6 Jul 2018					
venue	Workshop 1 (2 days)	Workshop 2	Workshop 5	Workshops 6 & 7	Workshops 10	Workshops 11
	The University of Adelaide	The University of Adelaide	The University of Adelaide	The University of Adelaide	The University of Adelaide	The University of Adelaide
8:30	Indo Pacific Coral Identification Workshop (Organiser: Russell Kelley)	How to access and use IMOS data for your research (Organiser: Craig Steinberg)	Recreational fishing in Commonwealth waters (Organiser: Tim Lynch, Carlie Devine)	Marine National Facility Data Management Policy – Consultation Workshop (Organiser: Ben Rae, Sally Mus)	INTRODUCTION TO POLYCHAETE FAMILIES: identification of Australian fauna, a taxonomic workshop (Organiser: Chris Glasby, Pat Hutchings, Elena Kupriyanova, Robin Wilson)	Paper accepted! Now what? Find your way to real impact using animation video and graphics (Organiser: Tullio Rossi)
9:00						
10:00						
11:00						
12:00						
13:00						
14:00						
15:00						
16:00						
17:00				Prepare high quality applications for sea time on the MNF RV <i>Investigator</i> (Organiser: Ben Rae, Sally Mus)		

Saturday workshops

Time	Saturday 7 Jul 2018
venue	The University of Adelaide
8:30	Indo Pacific Coral Identification Workshop (Organiser: Russell Kelley)
9:00	
10:00	
11:00	
12:00	
13:00	
14:00	
15:00	
16:00	
17:00	