

**TUESDAY 2 JULY**

6.00-8.00pm	Welcome Function (Otago Museum): pre-registration / kapa haka / drinks and canapes
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**DAY ONE: WEDNESDAY 3 JULY**

7:30	Registration Desk Opens (at the Link)
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Venue	Castle 1
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8:30	Welcome: Mihi
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8:50	Edward Ellison - Ngāi Tahu, NZ Conservation Chair "Te Ao Maori" Eugenie Sage - Minister of Conservation "Marine Conservation"
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9.50	Welcome from NZMSS – Nick Shears and OCS – Andrew Chin
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10:00	BREAK
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Venue	Castle 1	Burns 1	Burns 2	Castle Seminar D
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Session	<b>Our Changing Oceans: species and ecosystems response</b>	<b>Indigenous knowledge and management practices</b>	<b>Genetics</b>	<b>Special Session: Marine Biosecurity</b>
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Chair	Shane Geange	Sally Carson	Ceridwen Fraser	Kathy Walls
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10:30	Linking traits across ecological scales determines functional resilience to disturbance <b>Rebecca Gladstone-Gallagher</b> <i>University of Auckland</i>	Investigating mātauranga Māori approaches to enhancing the environmental performance of commercial NZ fisheries <b>Shaun Ogilvie</b> <i>Eco Research Associates Ltd</i>	Multispecies analysis of genetic diversity: emergent patterns across the Indo-Pacific Ocean and initiating a collaborative research network in New Zealand <b>Libby Liggins</b> <i>Massey University Auckland</i>	Biosecurity 2025 – progress and updates <b>Andrew Bell</b> <i>MPI</i>
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10:45	Assessing changes in health of shallow urban reef ecosystems: results from 12 years of monitoring <b>Ohad Peleg</b> <i>University of Auckland</i>	Tohu: Using traditional Māori environmental indicators or signs and signals of the natural world to assist contemporary marine research <b>Kura Paul-Burke</b> <i>NIWA</i>	Genomic and epigenomic monitoring of Māui and Hector’s dolphins <b>Rochelle Constantine</b> <i>University of Auckland</i>	The Craft Risk Management Standard for Biofouling: Insights from one year of biofouling regulation <b>Katie Lubarsky</b> <i>MPI</i>
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11:00	A big, muddy problem: Using in situ measurements to evaluate how intertidal flats respond to increasing sediment deposition <b>Amanda Vieillard</b> <i>University of Auckland</i>	Ko mātou te moana, ko te moana mātou: We are the ocean, the ocean is us <b>Jacinta Forde</b> <i>University of Waikato</i>	Seasonal and spatial variations in bacterial communities in the New Zealand clam <i>Paphies australis</i> , an insight into the source of tetrodotoxin <b>Laura Biessy</b> <i>Cawthron Institute</i>	Invasion flux: what the national Marine High Risk Site Surveillance (MHRSS) uncovers <b>Chris Woods</b> <i>NIWA</i>
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11:15	Can the “Death Assemblage” detect historic changes to the benthos at Separation Point? <b>Sean Handley</b> <i>NIWA</i>	A transformational approach achieves long-term benefits for community and environmental wellbeing <b>Sheridan Waitai</b> <i>Ngati Kuri</i>	Restorative rafting: a case study from an earthquake-uplifted intertidal community <b>Johnette Peters</b> <i>The Australian National University</i>	Predicting future patterns of spread of invasive species in New Zealand waters <b>Samik Datta</b> <i>NIWA</i>
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11:30	Marine ecosystem function and regime shifts in New Zealand’s Sub-Antarctic region <b>Jim Roberts</b> <i>NIWA</i>	Facilitating conversation between Scientists and Communities <b>Lucy Coyle</b> <i>University of Otago</i>	Using genetics to estimate the number of breeders as a tool for population monitoring; a case study using the eastern Australian population of white shark <b>Danielle Davenport</b> <i>The University of Queensland</i>	A call for caution in sequence-based biosecurity surveillance <b>Anastasija Zaiko</b> <i>Cawthron Institute</i>
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11:45	Marine non-parasitic rates of description outpace marine parasites <b>Thomas Morris</b> <i>University of Auckland</i>	Hooking into Matau (bone fishing hooks) <b>Richard De Hamel</b> <i>University of Otago</i>	Epigenetic regulation of sex change in the protogynous wrasse, <i>Notolabrus celidotus</i> <b>Holly Robertson</b> <i>University of Waikato</i>	CONTINUED... A call for caution in sequence-based biosecurity surveillance <b>Anastasija Zaiko</b> <i>Cawthron Institute</i>
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12:00	Resilience of algal communities and loss of ecological infrastructure following the Kaikoura earthquake of 2016 <b>David Schiel</b> <i>Canterbury University</i>	The evidence for a long history of toheroa translocation <b>Phil Ross</b> <i>University of Waikato</i>	<b>Speed talk:</b> Ancient earthquake uplift leaves a genetic legacy in coastal marine biota: <b>Elahe Parvizi</b> <i>University of Otago</i>	What lurks in the West? <b>Samantha Happy</b> <i>Auckland Council Biosecurity</i>
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12:15	LUNCH – Sponsored by Cawthron Institute			
12:35	Castle 1 – Sustainable Seas National Science Challenge: Phase II update to interested researchers and stakeholders			
Venue	Castle 1	Burns 1	Burns 2	Castle Seminar D
Session	<b>Our Changing Oceans: species and ecosystems response</b>	<b>Governance and Management</b>	<b>Aquaculture</b>	<b>Special Session: Marine Biosecurity</b>
Chair	Nick Shears	Rich Ford	Ben Knight	Andrew Bell
1:15	Identifying changes in trophic structure of coastal fish species through time using stable isotope analysis and archaeological remains <b>Alex Connolly</b> <i>University of Otago</i>	A pathway to effective marine protection in Aotearoa New Zealand <b>Lucy Jacob</b> <i>WWF</i>	Using passive acoustic monitoring to assess the overlap between Hector’s dolphins ( <i>Cephalorhynchus hectori hectori</i> ) and mussel farms in the Banks Peninsula Marine Mammal Sanctuary <b>Maria Jesus Valdes</b> <i>University of Otago</i>	Invasion of the Japanese Mantis Shrimp ( <i>Oratosquilla oratoria</i> ) in New Zealand <b>Hayley Nessia</b> <i>University of Auckland</i>
1:30	Conservation management of yellow-eyed penguin   hoiho in a changing marine environment <b>Trudi Webster</b> <i>Yellow-eyed Penguin Trust</i>	Bridging the gape – government shark policy & community sentiment <b>Marcel Green</b> <i>NSW Department Of Primary Industries - Fisheries</i>	Mussels, models, and microchemistry – Larval dispersal of green lipped mussels in the Firth of Thames <b>Craig Norrie</b> <i>University of Auckland</i>	The invasive Mediterranean fanworm, <i>Sabella spallanzanii</i> , in the context of mussel farms in the Coromandel <b>Sarah Brand</b> <i>University of Auckland</i>
1:45	Genetic and environmental trends of fledgling survival in a declining population of the Yellow-eyed penguin <b>Stefan Meyer</b> <i>Abacusbio Ltd.</i>	A data-informed approach for identifying candidate move-on thresholds for vulnerable marine ecosystem indicator taxa <b>Shane Geange</b> <i>Department Of Conservation</i>	New Zealand Rickettsia-like organism: investigating the association of this bacteria with mortalities in farmed Chinook salmon in New Zealand. <b>Cara Brosnahan</b> <i>MPI</i>	Tracing Marine Biosecurity Risks Using Multi-Region Input-Output (MRIO) Analysis <b>Mimi Tzeng</b> <i>University of Auckland</i>
2:00	Inter-annual variability in abundance of sperm whales at Kaikōura in relation to ocean conditions <b>Marta Guerra</b> <i>University of Otago</i>	Cephalopod biodiversity of the Kermadec Islands: implications for conservation <b>Kat Bolstad</b> <i>AUT Lab For Cephalopod Ecology &amp; Systematics</i>	Artificial world – new insights on octopus eggs rearing and larval feeding behaviour <b>Stefan Spreitzenbarth</b> <i>University of Auckland</i>	Comparing the competitive and allelopathic abilities between indigenous and non-indigenous bryozoan species in-situ <b>Yanika Reiter</b> <i>University of Waikato</i>
2:15	Modelling effects of long-term environmental variability and climate on fished populations: implications for on stock assessment advice <b>Philipp Neubauer</b> <i>Dragonfly Data Science</i>	Using decision-support tools to develop spatial management options for the high seas around New Zealand <b>Fabrice Stephenson</b> <i>NIWA</i>	Radiographic development of spinal curvatures in farmed New Zealand king salmon ( <i>Oncorhynchus tshawytscha</i> ) throughout seawater production <b>Bailey Lovett</b> <i>The University of Auckland</i>	Bacteria, shellfish, and their environment. <b>Henry Lane</b> <i>MPI</i>
2:30		The importance of keeping the big ones: harvest slot limits and marine protected areas for the management of the Caribbean spiny lobster <b>Gaya Gnanalingam</b> <i>ODU/University of Otago</i>	The fecundity and early life stages of the New Zealand scampi ( <i>Metanephrops challengeri</i> ) <b>Kevin Heasman</b> <i>Cawthron Institute</i>	Risky is as risky does: profiling vessel biofouling in a biosecurity context <b>Daniel Kluza</b> <i>MPI</i>
2:45		Quantifying multifunctionality trade-offs from varying levels of nitrogen using Bayesian Belief Networks <b>Ewa Siwicka</b> <i>Auckland University</i>		Improving national surveillance effort for marine pests based on predicted pathway risks <b>Abraham Growcott</b> <i>MPI</i>
3:00	BREAK			

Session	Our Changing Oceans: species and ecosystems response	Governance and Management	Pollution and marine plastics	Special Session: Munida Time Series
Chair	Leigh Tait	Dana Clark	Phil Ross	Kim Currie
3:30	Crustaceans as indicators of marine environmental change (CAIME) - equipping a biomonitoring toolbox for New Zealand <b>Kareen Schnabel</b> <i>NIWA</i>	How can your science influence Fisheries New Zealand? <b>Rich Ford</b> <i>Fisheries New Zealand</i>	The effects of increasing microplastic concentrations on the functioning of soft sediment ecosystems: Interactions between microphytobenthos, infauna and microplastics. <b>Julie Hope</b> <i>University of Auckland</i>	Munida Time Series – A Window into the Subantarctic Marine Carbon Cycle <b>Kim Currie</b> <i>NIWA</i>
3:45	pH plumes and benthic communities surrounding vents at Te Puia o Whakaari/ White Island <b>Caitlin Blain</b> <i>University of Auckland</i>	No Longer Fishing for Information: The Role of Emerging Technologies in Fisheries Data Collection - <b>Bubba Cook</b> <i>WWF NZ</i>	Large scale temporal and spatial patterns of microplastic pollution between New Zealand and the Ross Sea <b>Caitlyn Shannon</b> <i>Victoria University Of Wellington</i>	Seasonality and connectivity of the surface and deep ocean's prokaryotic communities <b>Jess Wenley</b> <i>University of Otago</i>
4:00	What affects your growth? Assessment of subtidal germling and juvenile macroalgae growth along the Kaikoura Coast post-earthquake <b>Dan Crossett</b> <i>Cawthron Institute</i>	Bridging the science to policy divide <b>Gemma Couzens</b> <i>Environmental Protection Authority</i>	The impacts of microplastic pollution on the anti-predator behaviour of coral reef fish <b>Bridie Allan</b> <i>University of Otago</i>	Our first look at zooplankton distribution along the Munida Transect <b>Morgan Meyers</b> <i>University of Otago</i>
4:15	Crustose Coralline Algae recruitment: effects of seawater pH and irradiance <b>Anna Kluibenschedl</b> <i>University of Otago</i>	Coming ready or not! Decision making, Science, and Uncertainty in the EEZ <b>Jack O'Carroll (presented by Gemma Couzens)</b> <i>Environmental Protection Authority</i>	Contaminants in urban stingrays <b>Helen Cadwallader</b> <i>University of Waikato</i>	Globally consistent taxonomic and spatiotemporal dynamics in marine microbial phosphonate-cycling genes <b>Scott Lockwood</b> <i>University of Otago</i>
4:30	Risks and opportunities for the New Zealand seafood sector under climate change, ocean acidification and environmental variability <b>Vonda Cummings</b> <i>NIWA</i>	Trans-Tasman Cumulative Effects Management: A Comparative Study <b>Andrew Allison</b> <i>NIWA</i>	Attributes of intertidal gastropod, <i>Amphibola crenata</i> population as indicators of coastal contaminants <b>Nuwan De Silva</b> <i>Environment Southland</i>	Phytoplankton community distribution along the Munida Transect <b>Linn Hoffmann</b> <i>University of Otago</i>
4:45	Large Benthic Foraminifera: Morphology and growth of <i>Marginopora vertebralis</i> and <i>Amphistegina lobifera</i> in a laboratory culture <b>Roselyn Naidu</b> <i>University of Auckland</i>		The Litter Intelligence programme: A Citizen Science Case Study <b>Ben Knight</b> <i>Sustainable Coastlines</i>	Drivers of Carbon Cycle Variability in the Southwest Pacific Ocean <b>Jesse Vance</b> <i>University of Otago</i>
5:15	Sustainable Seas presentation (the Link)			
5:30	Poster session (the Link)			
6:30	Day One Concludes			

## DAY TWO: THURSDAY 4 JULY

Venue	Castle 1			
9:00	Housekeeping			
9:10	Keynote: <b>Judi Hewitt</b> – NIWA “Research and management in a multiple stressors world; causation and complications”			
10:00	BREAK			
<b>Venue</b>	<b>Castle 1</b>	<b>Burns 1</b>	<b>Burns 2</b>	<b>Castle Seminar D</b>
<b>Session</b>	<b>Biology and Behaviour</b>	<b>Oceanography</b>	<b>Marine Taxonomy</b>	<b>Special Session: Engagement between marine science and government agencies - climate change mitigation</b>
<b>Chair</b>	Bridie Allan	Kim Currie	TBC	Lian Butcher
10:30	Light and balanced growth in <i>Ulva pertusa</i> <b>Rigoberto Sanchez-Medina</b> <i>University of Auckland</i>	The Physics of New Zealand/ Aotearoa Shelf Seas – not looking backwards (too hard), in order to go forward <b>Craig Stevens</b> <i>NIWA / University of Auckland</i>	A description of two new species of Dysidea (Demospongiae: Dysideidae) from Tauranga Harbour, Bay of Plenty, New Zealand <b>Samuel Mc Cormack</b> <i>University of Waikato</i>	<i>MfE marine climate change responsibilities and project update</i> Constance Nutsford <i>Ministry for the Environment</i> <b>*CANCELLED*</b>
10:45	Attracting scampi: Investigating the chemosensory behaviour of New Zealand scampi <b>Rob Major</b> <i>Cawthron Institute</i>	Meridional oceanic heat transport influences marine heatwaves in the Tasman Sea <b>Erik Behrens</b> <i>NIWA</i>	Biodiversity, biogeography and vulnerability of hydrothermal vents: a case study using bathymodioline mussels <b>Kerry Walton</b> <i>University of Otago</i>	DOC’s marine climate change project team and wider work <b>Helen Kettles</b> <i>Department of Conservation</i>
11:00	When sharks are away, rays will play: effects of top predator removal on coral reef ecosystems <b>Samantha Sherman</b> <i>James Cook University</i>	A new high resolution model for the Marlborough Sounds for use in coastal connectivity studies <b>Ben Knight</b> <i>Cawthron</i>	Long-billed extinct <i>Platydyptes</i> penguins from ancient shallow shelf settings of Zealandia <b>Katie Matts</b> <i>University of Otago</i>	Climate change and information needs for sustainable fisheries in New Zealand <b>Mary Livingston</b> <i>Fisheries NZ</i>
11:15	The Social Lives of Long-finned Pilot Whales <b>Catherine Meyer</b> <i>University of Auckland</i>	The Nippon Foundation-GEBCO Seabed 2030 project: Contribution of the South and West Pacific Ocean regional data centre to the 2019 bathymetric grid release <b>Evgenia Bazhenova</b> <i>NIWA</i>	Unusual tusked dolphins of New Zealand’s late Oligocene - where do they belong? <b>Ambre Coste</b> <i>University of Otago</i>	Coastal management in a changing world – a CSIG perspective <b>Oliver Wade</b> <i>Marlborough District Council</i>
11:30	AGM (NZMSS – Castle 1; OCS – Burns 2)			
12:30	LUNCH			

Venue	Castle 1	Burns 1	Burns 2	Castle Seminar D
Session	<b>Habitat use and animal distributions</b>	<b>Quantitative methods and technology</b>	<b>Fisheries</b>	<b>Special Session (con'd): Engagement between marine science and government agencies - climate change mitigation</b>
Chair	Malcolm Francis	Steve Dawson	TBC	Lian Butcher
1:30	Penguins in Paradise? How a versatile marine life-style enables Fiordland penguins/tawaki to cope with environmental perturbations <b>Thomas Mattern</b> <i>Global Penguin Society</i>	NSW Shark Management Strategy – using SMART drumlines, drones and ‘real time’ detection buoys to catch and track white sharks <b>Paul Butcher</b> <i>NSW DPI</i>	The effects of shellfish diseases on population dynamics, an example from the Foveaux Strait oyster fishery <b>Keith Michael</b> <i>NIWA</i>	Māori Climate Change Commissioner’s role and a Māori world view on climate change <b>Donna Awatere Huata</b> <i>A Māori world view</i>
1:45	How do rig sharks behave when using a New Zealand estuary? <b>Warrick Lyon</b> <i>NIWA</i>	The right size: Using drone-based photogrammetry to measure condition in a recovering population of right whales <b>David Johnston</b> <i>University of Otago</i>	Multiplex ddPCR for biosecurity and stock assessment: detection, discrimination and quantification of two <i>Bonamia</i> infections in New Zealand oyster populations <b>Jaret Bilewicz</b> <i>NIWA</i>	How the Forum of Chief Science Advisors are working together to deliver cross agency outcomes <b>Alison Collins</b> <i>Chief Science Advisor, Ministry for the Environment</i>
2:00	Cleaning stations as a driver of aggregative behaviour by the reef manta ray, <i>Mobula alfredi</i> <b>Asia Armstrong</b> <i>University of Queensland</i>	Aerial photogrammetry and size structure analysis of sperm whales at Kaikōura, New Zealand <b>Toby Dickson</b> <i>University of Otago</i>	Challenges and Opportunities for the Southern Scallop Fishery <b>Hannah Charan-Dixon</b> <i>MPI</i>	30min panel Q&A session, moderated by <b>Lian Butcher</b> <i>Director, Aquatic Unit DOC</i>
2:15	Are mangroves important to sharks and rays?: A review <b>Shiori Kanno</b> <i>James Cook University</i>	Recommendations for estimating the proportion of identifiable individuals in photo-ID research on cetaceans – how do you get estimates up to the mark? <b>Lindsay Wickman</b> <i>University of Otago</i>	Whitebait and Bergmann’s rule: size and age of whitebait entering New Zealand rivers <b>Mike Hickford</b> <i>University of Canterbury</i>	
2:30	Fine-scale movements of juvenile blacktip reef sharks in a shallow nearshore nursery <b>Lachlan George</b> <i>James Cook University</i>	Quantifying Species Interactions and Coexistence in Marine Fouling Communities <b>Michelle Marraffini</b> <i>University of Canterbury</i>	Developing a National Blue Cod Strategy <b>Courtney Burn</b> <i>Ministry for Primary Industries</i>	
2:45	Quantifying habitat selection by broadnose sevengill sharks <i>Notorynchus cepedianus</i> in Paterson Inlet, Stewart Island, New Zealand <b>Rosa Edwards</b> <i>University of Otago</i>	Seagrass monitoring from remote sensing: a novel approach with machine learning and sentinel-2 data <b>Thang Ha</b> <i>The University of Waikato</i>	Captive breeding of Blue Cod <b>Denham Cook</b> <i>Plant and Food</i>	
3:00	Sharks in the forest: relationships between kelp physical-complexity attributes and egg deposition sites of the red-spotted catshark <b>José Trujillo</b> <i>University of Otago</i>	Spatially Explicit Fisheries Risk Assessment (SEFRA) applied to Maui and Hector’s dolphins <b>Ben Sharp</b> <i>MPI</i>	Comparative Ecology of Four Species of the Flatfish Genus <i>Peltorhamphus</i> from New Zealand waters <b>Tom Munroe</b> <i>National Systematics Laboratory, NMFS/NOAA</i>	
3:15	BREAK			

Venue	Castle 1	Burns 1	Burns 2
Session	<b>Habitat use and animal distributions</b>	<b>Climate Change</b>	<b>Fisheries</b>
Chair	Tom Brough	Debbie Freeman	Denham Cook
3:45	A Telemetric Study of the Megamouth Shark ( <i>Megachasma pelagios</i> ) <b>Paul Clerkin</b> <i>Deep Blue Research Foundation</i>	Is the intensity and frequency of marine heatwaves increasing in New Zealand's coastal waters? <b>Nick Shears</b> <i>University of Auckland</i>	Methods for developing precautionary buffer zones to account for spatial uncertainty in the distribution of highly endangered species <b>Amanda Leathers</b> <i>WWF New Zealand</i>
4:00	Improving distributional knowledge of deepwater sharks using VAST <b>Brit Finucci</b> <i>NIWA</i>	Cascading effects of seismic uplift and heatwaves on southern bull kelp, <i>Durvillaea</i> spp. <b>Mads Thomsen</b> <i>University of Canterbury</i>	Selectivity of inshore commercial trawls in New Zealand - use of a predictive selectivity estimation tool <b>Emma Jones</b> <i>NIWA</i>
4:15	The importance of prey data in models to explain distribution of bottlenose dolphins in Doubtful Sound <b>Steph Bennington</b> <i>University of Otago</i>	Multiple scales of remote sensing to manage the impacts of local and global stressors on coastal ecosystems <b>Leigh Tait</b> <i>NIWA</i>	Gillnet size selectivity of shark species from Queensland, Australia <b>Lindsey Leathers</b> <i>James Cook University</i>
4:30	Distribution of New Zealand fur seals over the Otago submarine canyons <b>Will Rayment</b> <i>University of Otago</i>	Effects of stressors on the physiology and growth of pāua ( <i>Haliotis iris</i> ) <b>Thuy Nguyen Thi</b> <i>University of Canterbury</i>	Do mako and silky sharks die after being released alive from tuna longlines? <b>Malcolm Francis</b> <i>NIWA</i>
4:45	Leopard seal occurrence in predictable locations around New Zealand: A preliminary analysis of sightings and photo-identification reveal local residency <b>Krista Hupman</b> <i>NIWA</i>	Temaiku Land and Urban Development – The Marine Environment <b>Anthony Kubale</b> <i>Jacobs New Zealand</i>	The first three steps for assessing vulnerability risk of population reduction of elasmobranchs from fishing and climate change <b>Karla Garces</b> <i>The University of Melbourne</i>
5:30	Student Function at the Lone Star		
8:30	Day Two Concludes		

## DAY THREE: FRIDAY 5 JULY

Venue	Castle 1		
9:00	Housekeeping		
9:10	Keynote: <b>Madi Green</b> - <i>University of Tasmania</i> "Rethinking how we undertake, collaborate and communicate science"		
9:35	Keynote: <b>Irene Middleton</b> - <i>Massey University</i> "The contribution of subtropical reef fishes to marine biodiversity in Northeast New Zealand"		
10:00	BREAK – Sponsored by 4 Sight Consulting		
Venue	Castle 1	Burns 1	Burns 2
Session	Marine Conservation	Marine Ecosystems	Benthic Ecology
Chair	Brit Finnucci	Matt Pinkerton	Drew Lohrer
10:30	Parks for sharks: human exclusion areas outperform no-take marine reserves - <b>Justin Rizzari</b> <i>Deakin University</i>	Seabirds as marine indicators: what can procellariiform ecophysiology tell us about ocean conditions? <b>Brendon Dunphy</b> <i>The University of Auckland</i>	Sediment-effect thresholds for the New Zealand seagrass <i>Zostera muelleri</i> : a case study in Porirua Harbour, NZ <b>Inigo Zabarte</b> <i>University of Waikato; NIWA</i>
10:45	Parks for sharks: conceptual frameworks and key questions for assessing how marine protected areas contribute to shark and ray conservation <b>Andrew Chin</b> <i>James Cook University</i>	Assessment of regional trace metal concentrations in arrow squid from New Zealand waters – a multidisciplinary approach <b>Alexandra Lischka</b> <i>Auckland University of Technology</i>	A national approach to monitoring estuarine health based on multivariate analysis <b>Dana Clark</b> <i>Cawthron Institute</i>
11:00	Investigating the effect of marine reserves on coastal elasmobranchs in southern New Zealand <b>Michael Heldsinger</b> <i>University of Otago</i>	Propagating a cellular stress into the environment: Revealing hydrogen peroxide as an external stressor in coastal ecosystems. <b>Isla Twigg</b> <i>University of Otago</i>	Shining light on the importance of intertidal benthic primary productivity to estuarine ecosystem function <b>Steph Mangan</b> <i>University of Waikato</i>
11:15	Sevengill sharks, BRUVS and citizen science <b>Robert Lewis</b> <i>University of Otago</i>	Glimpsing an ancient, shallow marine food web – fossil vertebrates from Cosy Dell, Southland, New Zealand <b>Marcus Richards</b> <i>University of Otago</i>	Life in a dimming world: Effect of light availability on intertidal benthic primary production <b>Georgina Flowers</b> <i>University of Waikato</i>
11:30	Fishy Web Cam, linking the Southern Ocean with the community <b>Sally Carson</b> <i>University of Otago</i>	Natural and assisted recovery of intertidal habitat-forming macroalgae following the 2016 Kaikōura earthquake <b>Tommaso Alestra</b> <i>University of Canterbury</i>	Nutrient enrichment effects on biomass and primary productivity of estuarine microphytobenthos <b>Yuriy Malakhov</b> <i>University of Canterbury</i>
11:45	Where are those Maui dolphins? <b>Elisabeth Slooten</b> <i>University of Otago</i>	Habitat mapping to inform customary fisheries management <b>Matt Desmond</b> <i>University of Otago</i>	Changes in benthic ecosystem functioning along an estuarine eutrophication gradient <b>Kit Squires</b> <i>University of Waikato</i>
12:00	Birds vs. Clams <b>Lolita Vallyon</b> <i>University of Waikato</i>	<b>Speed talks:</b> (1) Habitat mapping of <i>Macrocystis pyrifera</i> in nearshore coastal southern Otago <b>Madeline Glover</b> <i>University of Otago</i> (2) Depth and location influence prokaryotic and eukaryotic microbial community structure in New Zealand fjords <b>Sven Tobias-Hunefeldt</b> <i>University of Otago</i>	Effects of anthropogenic and natural disturbances on estuarine communities of Te Ihutai <b>Islay Marsden</b> <i>University of Canterbury</i>
12:15	LUNCH		

Venue	Castle 1	Burns 1	Burns 2
Session	<b>Marine Conservation</b>	<b>Food webs</b>	<b>Benthic Ecology</b>
Chair	Debbie Freeman	Judi Hewitt	Islay Marsden
1:15	The varied effects of protection on reef fish assemblages in three New Zealand marine reserves <b>Henry Allard</b> <i>University of Auckland</i>	Regional differences in supply of organic matter from kelp forests drive trophodynamics of temperate reef fish - <b>Stephen Wing</b> <i>University of Otago</i>	Role of spatial and temporal heterogeneity in moderating benthic faunal activity and temperate shelf sea carbon and macronutrient stocks <b>Rachel Hale</b> <i>NIWA</i>
1:30	Using baited underwater video to monitor MPAs and investigate species-habitat relationships at Banks Peninsula <b>Tom Brough</b> <i>University of Otago</i>	Community contributions to modelling trophic interactions around Kapiti marine reserve <b>Monique Ladds</b> <i>Department Of Conservation</i>	The impact of restored New Zealand Green Lipped mussels on ecosystem functioning <b>Jenny Hillman</b> <i>University of Auckland</i>
1:45	Disease in a threatened New Zealand surf clam <b>Matthew Bennion</b> <i>University of Waikato</i>	The lobsters' tail of their lavish lunch <b>Aimee Van Der Reis</b> <i>University of Auckland</i>	Denitrification Rates in Restored Mussel Beds of the Hauraki Gulf <b>Mallory Sea</b> <i>University of Auckland (IMS)</i>
2:00	Recovery and restoration of juvenile abalone populations following widespread mortality and habitat loss due to earthquake uplift <b>Shawn Gerrity</b> <i>University of Canterbury</i>	Gut Instinct: feeding eco-physiology of the spiny lobster, <i>Jasus edwardsii</i> <b>Ashley Flood</b> <i>University of Auckland</i>	Regional patterns of macrofaunal diversity and abundance determined by antagonistic ecosystem engineers in soft-sediment intertidal habitats <b>Katrin Berkenbusch</b> <i>Dragonfly Data Science</i>
2:15	Two too-small marine reserves and a disappearing lobster population <b>Benn Hanns</b> <i>University of Auckland</i>	Parasites that travel using elasmobranch feeding links <b>Jerusha Bennett</b> <i>University of Otago</i>	Does <i>Macomona liliانا</i> density alter sediment stability along a wave exposure gradient? <b>Hazel Needham</b> <i>University of Waikato</i>
2:30	Managed realignment in the upper Bay of Fundy, Canada: community dynamics during salt marsh restoration over 8 years in a megatidal and ice-influenced environment <b>Spencer Virgin</b> <i>University of Canterbury</i>	Using stable isotopes to reduce ambiguity in food-web models <b>Matt Pinkerton</b> <i>NIWA</i>	Random drug screening: why marine invaders are the usual suspects <b>Christopher Battershill</b> <i>University of Waikato</i>
2:45	BREAK		
Session	<b>Marine Conservation</b>	<b>Stable Isotope Analysis</b>	<b>Benthic Ecology</b>
Chair	Nick Shears	Amandine Sabadel	Rebecca Gladstone-Gallagher
3:15	Gulf-to-Gulf: Bridging Lessons Learned in Large-Scale Marine Habitat Restoration <b>Alex Alder</b> <i>University of Auckland</i>	Uptake of organic waste from salmon farms in wild fish and horse mussels collected from nearby reefs in the Marlborough Sounds – <b>Rebecca McMullin</b> <i>University of Otago</i>	Does sedimentary gradients and nutrient addition influence microbial extracellular enzyme activity and do macrofauna influence this relationship? <b>Sam Thomas</b> <i>University of Otago</i>
3:30	Building an information base for science-based marine protection <b>Debbie Freeman</b> <i>Department Of Conservation</i>	How to see into the past: a new method to access bulk and amino acid isotopic signatures on preserved fish specimens <b>Leonardo Durante</b> <i>University of Otago</i>	Quantification of ecosystem services provided by infaunal shellfish in temperate estuaries <b>Vera Rullens</b> <i>University of Waikato</i>
3:45	Preliminary results on the science underpinning the Ross Sea Region Marine Protected Area <b>Joshua Van Lier</b> <i>Ministry For Primary Industries</i>	Seasonal habitat use and trophic ecology of bronze whaler sharks in New Zealand <b>Melissa Kellett</b> <i>University of Waikato</i>	Spatial variability in nitrogen processing capacity of soft sediments at the land-sea interface <b>Emily Douglas</b> <i>NIWA</i>
4:00	Can a Gradient Forest classification of New Zealand's EEZ function as an effective framework for marine conservation planning? <b>Fabrice Stephenson</b> <i>NIWA</i>		Using eddy covariance to extend the spatial and temporal scales of oxygen flux quantification <b>Drew Lohrer</b> <i>NIWA</i>
4:30	Presentation of NZMSS Award and John Morton Medal		
5:00	Conference Closing		
6:45	Conference Dinner and Awards Ceremony at the University Union		