Draft Programme (at 11.11.26)



MONDAY 30 NOVEMBER	
09.30 - 16.30	**Student Day** (WG 701/702/703, Sir Paul Reeves Building, AUT) *Sponsored by Wildlands*
13.30 - 15.00	**Pre-Conference Workshop by Faunatech Offering 1** (WG607, Sir Paul Reeves (WG) Building, AUT) *Listening to Nature: An Introduction to using Bioacoustics for Wildlife Monitoring* **– Pre-booking required**
14.00 – 16.00	**Te Aka Toro council meeting** - council members only (WG517)
15.30 - 17.00	**Pre-Conference Workshop by Faunatech Offering 2** (WG607, Sir Paul Reeves (WG) Building, AUT) *Listening to Nature: An Introduction to using Bioacoustics for Wildlife Monitoring* **– Pre-booking required**
TBC	**SCBO Meeting** (WG705, Sir Paul Reeves (WG) Building, AUT)
17.30 - 19.30	**Icebreaker** (The Glass Goose, 78 Federal Street, Auckland) – some food provided, guests to purchase own drinks

TUESDAY 1 DECEMBER					
07.30 - 19.30	**Registration & Exhibition Open** (Sir Paul Reeves (WG) Building)				
08.30 - 09.45	**Conference Opening Session with presentation from Ngāti Whātua Ōrākei** (WG403)				
09.45 - 10.30	**Plenary 1: Melanie Mark-Shadbolt** (Te Tira Whakamātaki) *Restorying Ecology: Who decides what nature needs?*				
10.30 - 11.00	**Morning Tea** in the Exhibition Area				
11.00 - 12.45	**1A: Symposium: Beyond Restoration: Towards Regenerative Ecology in Science, Policy, and Practice I** Room: Chair: Bradley Case	**1B: Symposium: Unlocking the Value of New Zealand's Biodiversity Data Through GBIF** *Supported by Ministry for Cities, Environment, Regions and Transport* Room: Chair: Fiona Hodge	**1C: Applied Ecology** Room: Chair: TBC	**1D: Symposium: Hellaby Indigenous Grasslands Research Trust: Current knowledge and future directions in the ecology of Aotearoa's indigenous grasslands I** Room: Chair: Nicola Day	**1E: Open Forum I** Room: Chair: TBC
11.00 - 11.15	**From restoration projects to regenerative systems: scaling nature-based resilience in Aotearoa New Zealand** Bradley Case	**From fragmented data to shared insight: setting the scene for GBIF in Aotearoa New Zealand** Meredith Mckay	**From rapid ecological assessment to natural-capital valuation: developing the Nature Benefits Calculator for New Zealanders** Clint Cameron	**Indigenous grasslands research after 67 years: past achievements and future opportunities for the Hellaby Indigenous Grasslands Trust** Dave Kelly	**Allocating recreational trail investments: a decision-support tool linking staffing, ecological condition, and public value for Hawai'i's Nā Ala Hele Trail Program** Melissa Price

11.15 - 11.30	**What counts as Nature Positive in an urban-industrial landscape?** Jacqueline Beggs	**Win-win: How specimen data mobilisation drives organisational improvements** Lucy Schrader	**Climate change exposure of Aotearoa's terrestrial birds** Nerissa Linwood *	**Impacts of experimental habitat changes on bryophyte and lichen communities of a Canterbury high-country grassland** Liadan Dickie *	**Using trait-based approaches to inform marine protection design in soft sediment habitats that lack historical ecological data** Tegan Evans
11.30 - 11.45	**8 Billion Hours Pledge: A catalytic mechanism for global nature markets** David Hall	**Federating the unfederatable: lessons from Predator Free 2050 on data standards, sharing data, trust and tracking progress** Olivia Rothwell	**Drawing the line: transitions between gumland heath and forest in Auckland** Sylvia Orr *	**Aotearoa | New Zealand kettle hole tarns are small and ephemeral but high in plant diversity and need management aligned with their natural fragmentation** Jane Gosden *	**Spatial planning for marine parks in New South Wales (NSW), Australia** Daniel Breen
11.45 - 12.00	**A proposed framework for measuring ecosystem recovery: Green Status of Ecosystems** Jessica Walsh	**Assessing taxa representation for NZ's palynoflora at a national scale and regional extent – building a reference layer from NVS and GBIF observations** Jacqui Vanderhoorn *	**Observing a hostile takeover by Kauri over 50 years: the development of monodominance in a Kauri stand** Bruce Burns	**When fairies ring, invasive grasses pick up: the role of fungal fairy rings in facilitating plant invasion in the Canterbury high country** George Cox *	**Nature conservation without fungi isn't nature conservation** Peter Buchanan
12.00 - 12.15	**Māori kincentric ecology** Georgina Stewart	**Traits, taxonomy, and a century of pollinator decline: evidence from New Zealand bee and fly occurrence records** Marion Donald	**Arboreal tracking tunnels and what can be learned by barking up the right trees** Maryanne Walker * -	**Influence of plant provenance and grazing by ruminants on plant-arbuscular mycorrhizal fungal interactions in New Zealand high country grasslands** Nicole Parnell *	**Saving species isn't enough: reimagining the purpose of conservation organisations to build a nature-positive society** Sarah Thomas & Kevin Buley
12.15 - 12.30	**How Kaipara Moana remediation has moved policy into practice** Lisette Rawson	**Accessing biodiversity data from the GBIF node network using galah** Shandiya Balasubramaniam	**Distributions and ecology of alpine lizards in the Kahurangi National Park** Anna Zrinyi-Morgan *	**Invasion success as a result of misinformation: a case study challenging assumptions from early demographic wilding conifer studies in unimproved native grasslands** Robert Gibson II	
12.30 - 12.45	**The AUT Living Laboratories Forest Restoration Experiment: Early- and late-successional tree growth variation after five years** Claire Ellis			**12.30 - 12.37 The effect of drought on invasive plant species and grassland ecosystems** Leonore Hafermann * **12.37 - 12.45 Grasses procure key soil nutrients for clovers** Wei Zhang	
12.45 - 13.45	**Lunch** in the Exhibition Area - *see offerings available during lunch break below*				
12.45 - 13.45	**Workshop: Aotearoa Traits** - Facilitated by Cate Macinnis-Ng Room:		**Workshop: Publishing in Academic Journals - an Oceania perspective** - Facilitated by Rob Davis Room:		

13.45 - 15.15	**2A: Symposium: Beyond Restoration: Towards Regenerative Ecology in Science, Policy, and Practice II** Room: Chair: Bradley Case	**2B: Indigenous Knowledge & Community Engagement** Room: Chair: TBC	**2C: Coastal Ecology and Climate Change** Room: Chair: Cate Ryan	**2D: Symposium: Hellaby Indigenous Grasslands Research Trust: Current knowledge and future directions in the ecology of Aotearoa's indigenous grasslands II** Room: Chair: Dave Kelly	**2E: Open Forum II** Room: Chair: TBC
13.45 - 14.00	**Future floodplain communities – A synthesis and functional analysis of floodplain flora in Aotearoa New Zealand** Devon Judd *	**Trends in social-ecological research: a case study on fire ecology and Indigenous and local knowledge** Cameron Guy *	**Coastal active dunes and thresholds of condition** Cate Ryan	**Alpine grasshopper diet in New Zealand: overlap and use of invasive plants** Mari Nakano	**Multiple drivers of climatic niche diversification in Aotearoa's mokomoko radiations** Travis Ingram
14.00 - 14.15	**Evaluating the current and future utility of riparian plantings in the restoration of biogeomorphic integrity in lowland meandering streams** Meghan Power *	**From the sky to the hinterlands out to sea, everything within is treasured** Claire Dowsett & Patrick Woon	**Biogeochemical methane cycling in Tāmaki Makaurau mangroves** Arola Moreras Marti	**Through the fire and the flames: understanding the effects of climate change on lizards** Justin Clause *	**Getting to grips with skink claws: comparing invasive and endemic skink species** Thomas Simpson *
14.15 - 14.30	**When conservation outpaces regulation: lessons from marine restoration permitting in Hawai'i** Honor Weber *	**Kaupapa Māori approaches to the Storage and Collection of Taonga Seeds** Marcus-Rongowhitiao Shadbolt	**Beyond exposure: tracing climate risk through ecosystems** Jamie Stavert	**Hide and seek: modelling and validating habitat suitability for cryptic lizards on Rakiura, New Zealand** Jon Rolfes *	**Population genomic analysis of the Mount Augustus snail (Powelliphanta augusta) reveals low diversity and moderate population structure** Natalie Forsdick
14.30 - 14.45	**The challenge of protecting the forest landscape in Papua under the Central Government agenda through sectoral policy** Paulus Mandibondibo	**The forest is not empty: Indigenous governance and community-led conservation in New Guinea** Wetty Paul Suu *	**Life on the edge: vegetation patterns on Auckland's coastal cliffs** Gabriel Villabroza	**14.30 - 14.37Assessing the genetic diversity and conservation of an endangered, yet common ornamental, New Zealand Iris (*Libertia peregrinans*)** Sophie Newmarch **14.37 - 14.45 Impacts of different management methods in native grasslands on native bee nesting** Prashant Neupane *	**Gene flow to the rescue? Evaluating the impacts of genetic augmentation on small, isolated populations** Elizabeth Parlato
14.45 - 15.00	**Moss as an agent of demilitarisation** Janine Randerson & Rachel Shearer		**Weaving marine geospatial and ethnographic information: An ecological and cultural analysis of a Solomon Islands coral reef** Samantha Patterson Gillis *	**Legacies of Pinus contorta invasion drive change in short tussock grassland plant communities** Elise Arnst *	**Pulattat (Mariana Common Moorhen, *Gallinula cholorpus guami*) monitoring on the island of Tinian in the Northern Mariana Islands** Rebecca Krasa
15.00 - 15.15	**A tourist and a cow walk into a bar: Thoughts on the role of the food system in New Zealand's ecology and conservation** Tracy Berno				
15.15 - 15.45	**Afternoon Tea** in the Exhibition Area				

15.45 - 17.15	**3A: Symposium: Adopting IUCN Ecosystem Risk and Recovery Frameworks in Aotearoa New Zealand** *Supported by Department of Conservation* Room: Chair: Simon Moore & Ellery Mayence	**3B: Symposium: The Ecology and Evolution of Biological Invasions** Room: Chair: Ang Mcgaughran	**3C: Symposium: Disturbance as Catalyst: Leveraging Extreme Events to Transform Ecological Knowledge and Public Discourse** Room: Chair: Julie Deslippe	**3D: Symposium: What is Rewilding and (how) Does it Apply in Oceania?** Room: Chair: Sally Hawkins	**3E: Animal Behaviour** Room: Chair: TBC
15.45 - 16.00	**Applications of IUCN Ecosystem Risk and Recovery Frameworks in Aotearoa New Zealand** Shane Orchard	**Using blowflies to understand invasion success** Ang Mcgaughran	**Extremes, compounds and cascades - pathways to adaptation** Cate Macinnis-Ng	**What is rewilding? The IUCN Guidelines for Rewilding** Sally Hawkins	**Tracing a taonga home: the use of stable isotopes to understand the Pacific larval origins of Aotearoa's migratory tuna (freshwater eels)** Alexandre Che-Pelicier *
16.00 - 16.15	**Adopting IUCN Ecosystem Risk and Recovery Frameworks in Aotearoa New Zealand** Simon Moore	**Warming destabilises coexistence between two globally invasive blow flies** Paige Matheson *	**Food webs, ecosystem functioning, and resilience under multiple stressors** Andrew Barnes	**Understanding conflict in invasive species management: socio-cultural understandings of invasive species in the Otway Range, Australia** Rebecca Toohey *	**Patterns of foraging ecology in a highly mobile, socially complex marine predator** Catherine Meyer *
16.15 - 16.30	**Testing the IUCN Red listing of ecosystem methodology on Aotearoa New Zealand freshwater wetlands** Anne-Gaelle Manh-Ausseil	**Introduction history shapes the virome of invasive rats and reveals pathways of cross-species transmission** Rebecca French	**The challenge of extreme events for river biodiversity under climate change** Jonathan Tonkin	**Listening to recovery: bioacoustics as a tool for monitoring rewilding success** James Muir	**Sex, size, and submersion: sexual dimorphism in dive duration in *Dolomedes aquaticus*** Jennifer Gillette
16.30 - 16.45	**Red listing New Zealand's naturally uncommon ecosystems** Adrian Monks	**Predator management, mesopredator release and Toxoplasma gondii seroprevalence in urban House Mouse (*Mus musculus*) populations** Tamara Encina Becker *	**Fire history has contrasting effects on plants and soil fungi in a tussock grassland** Nicola Day	**Applying the IUCN Rewilding Theory of Change Framework in a mine-impacted landscape: lessons from Mount Etna Caves National Park, Queensland** Sally Hawkins	**Vocal ethology and dialects of New Zealand Kākā (*Nestor meridionalis*)** Fraser Campbell *
16.45 - 17.00	**Recovery status and conservation impact assessment of the saltmarsh ecosystem in Aotearoa New Zealand using the Green Status of Ecosystems Framework** Bikash Ghimire *	**When weed seeds mislead: unexpected mechanisms disperse seeds further** Debra Wotton	**Green firebreaks as a nature-based solution to fire mitigation that provides multiple ecosystem services: two Trans-Tasman case studies** Tim Curran		**What they do in the shadows: partial nocturnality in the North Island Kākā** Tirth Vaishnav
17.00 - 17.15	**Measuring recovery, not just risk: exploring the value of the Green Status of Ecosystems Framework for the Department of Conservation** Ellery Mayence		**Applying ecology in practice to manage biological invasions under future disturbances** Duane Peltzer		**Phenology shifts from 2005–2025 in selected birds, mammals, insects, and plants within the wider Christchurch area** Stacey Lewthwaite *
17.25 - 18.10	**Plenary 2: Andrew Jeffs** (University of Auckland) - **Winner of the Te Tohu Taiao Award 2025** (WG403)				
18.10 - 19.40	**Poster & Networking Reception** in the Exhibition Area				

WEDNESDAY 2 DECEMBER

08.00 - 17.30	**Registration & Exhibition Open**				
08.40 - 08.45	**Welcome** (WG403)				
08.45 - 09.30	**Plenary 3: Aimee Sato** (Hawai'i Institute of Marine Biology) *O Ka Hale E Ku, O Ke Kanaka E Noho: Raising Indigenous Spaces Through Biocultural Stewardship*				
09.30 - 10.30	**4A: Symposium: Carbon and Biodiversity Credits: a challenge for ecology and conservation I** Room: Chair: John Craig	**4B: Species Interactions I** Room: Chair: TBC	**4C: Symposium: How Open Access to Herbarium Data and Images is Contributing to Species Conservation in the Pacific** Room: Chair: Yumiko Baba	**4D: Symposium: Safeguarding Biodiversity During Infrastructure Development I** *Supported by Tonkin + Taylor* Room: Chair: Jamie MacKay & Liz Curry	**4E: Mapping & Monitoring I** Room: Chair:
09.30 - 09.45	**Unlocking a firehose of funding for biodiversity conservation: can carbon and biodiversity markets bridge the biodiversity financing gap?** Sean Weaver	**Habitat and dietary niches of New Zealand flying squids (*Todarodes* spp.)** Samuel Clough *	**From specimens to shared knowledge: opening South Pacific bryophyte collections for biodiversity research and conservation** Mereia Tabua	**Safeguarding biodiversity: bringing ecosystem services, nature-based solutions, and effects management concepts together to improve ecological outcomes** Fleur Maseyk	**Listening for intruders: acoustic monitoring of *Rawlinsonia ewingii*, an overlooked introduced frog in Aotearoa New Zealand** Alexandra Rivera Luzunaris *
09.45 - 10.00	**Going beyond metrics: aligning biodiversity markets with landholder values and perceptions for lasting conservation outcomes** Kim Schwindke *	**He ahunga kōaro: te rahi o te ika me te konihi māori, te konihi riha | Galaxiid body size distributions with native and introduced predators** Grace Fortune-Kelly *	**From collections to conservation: the contribution of digitised herbarium data to IUCN extinction risk assessments of New Caledonian plants** David Bruy	**A biodiversity compensation approach to effects management for Long-tailed Bats** Jamie MacKay	**Changing how we monitor biodiversity: insights from passive dust-derived eDNA in an urban restoration landscape** Samaneh Mosaferi *
10.00 - 10.15	**Restoring biodiversity for income: a 22 year case study on private land** Anne Stewart	**Wētā enhance germination, survival, and growth of Kōtukutuku, the world's largest fuchsia** Juan Francisco Guisado Chavez *	**Bridging Oceania's biodiversity data gap: open-access digitization of Fiji's marine algae collections** Eseta Drova * & Kelly Brown	**From Asia to Aotearoa: could the use of Critical Habitat Assessments improve biodiversity outcomes for infrastructure projects in New Zealand?** Tim Martin	**Mapping priority habitat for Australasian Bittern conservation in Aotearoa New Zealand** Prabu Raju *
10.15 - 10.30	**Carbon sequestration by a planted native forest** Neil Mitchell		**Integration of biocultural labels into the biodiversity collections from the Pacific Islands** Yumiko Baba	**Lizard mitigation in the Auckland Region: how could Auckland Council, in partnership with mana whenua, improve outcomes further?** Melinda Rixon	**Shallow but significant genetic structure of the Winged Pearl Oyster Pteria penguin in Fiji: implications for mabé pearl production** Isabell Sami *
10.30 - 11.00	**Morning Tea** in the Exhibition Area				

11.00 - 12.30	**5A: Symposium: Carbon and Biodiversity Credits: a challenge for ecology and conservation II** Room: Chair: John Craig	**5B: Species Interactions II** Room: Chair: TBC	**5C: Symposium: Voices across Moananuiākea Hui - Changing the Conversation: Including and amplifying Indigenous voices in conservation** Room: Leads: Courtney Melton, Aimee Sato, Kiri Reihana	**5D: Symposium: Safeguarding Biodiversity During Infrastructure Development II** *Supported by Tonkin + Taylor* Room: Chair: Jamie MacKay & Liz Curry	**5E: Mapping & Monitoring II** Room: Chair: TBC
11.00 - 11.15	**Deciding metrics for biodiversity credits** John Craig	**Back to the nest: of birds and bryophytes II** James Brock	Nunia Thomas Leanda Mason Kiri Reihana Grace Nugi Mililani Browning	**Lighting for biodiversity: balancing safety, brightness, and spectral impacts in infrastructure development** Ellen Cieraad	**Supporting biodiversity goals at scale by combining eDNA and open-source software** Kiel Hards
11.15 - 11.30	**Long-term impacts of introduced browsers on tree carbon stocks and regeneration in indigenous forests of New Zealand** Micah Scholer	**Potential for competition by an introduced frog on a native gecko in the alpine zone** Isabelle Potbury *		**Balancing flood protection and biodiversity outcomes: a case study from the Maitai River in Nelson, New Zealand** Liz Curry	**Drones for conservation** Dewar Donnithorne-Tait
11.30 - 11.45	**Predator elimination funded by additional carbon - ongoing investigation by ZIP in Predator Free South Westland** Lucas MacDonald	**Downsizing dispersers: reduced lizard body size limits seed dispersal distances in Aotearoa New Zealand** Hayley Alena		**When everything is urgent: a risk-based approach to ecological oversight during disaster recovery** Abigail Salmond	**UAV tools for next-generation aerial wildlife monitoring; automated VHF radio-telemetry, and AI image recognition** **(Exhibitor Presentation)** Chris Muller
11.45 - 12.00	**Credible carbon benefits require a strong science foundation** Thomas Paul	**Assessing niche overlap and functional diversity in Hihi (*Notiomystis cincta*) populations** Jessica Przychodzko *		**Creating a reef to compensate for habitat loss and enhance biodiversity for a major coastal infrastructure project** Marcus Cameron & Lucy Underwood	**Recognizing taonga with AI: facial recognition for Kākā (*Nestor meridionalis*): provisions from a wānanga** Kahurangi Cronin
12.00 - 12.15	**Measuring, managing, and maximising New Zealand's carbon stocks: research highlights** Renee Johansen & Micah Scholer	**Integrative analysis uncovers the lifetime diet and movement of the Kāhu (Australasian Swamp Harrier, *Circus approximans*)** Juliet Saul *			**Deep learning re-identification pipeline to investigate wild Kākā (*Nestor meridionalis*) interactions with poison bait stations** Ryan Jaggers *
12.15 - 12.30	**Protection of native forests on pastoral farms and their benefits for tree growth and carbon sequestration: a pilot study from Northland** Jonathan Palmer				
12.30 - 13.30	**Lunch** in the Exhibition Area - *see offerings available during lunch break below*				

13.30 - 15.00	**6A: Restoration & Regeneration** Room: Chair: TBC	**6B: Open Forum III** Room: Chair: TBC	**6C: Symposium: Conversations About Species Conservation: Highlighting Pacific Island priorities and voices to accelerate Pacific Island species recovery actions I** Room: Chair: Mereia Tabua	**6D: Symposium: Connecting People and Wildlife: Advancing Transport Ecology in Oceania I: planning, design, and delivery** *Supported by ANET & NZTA Waka Kotahi* Room: Chair: Jamie Steer	**6E: Open Forum IV** Room: Chair: TBC
13.30 - 13.45	**You say what? How far? Community perspectives on changes to ecosourcing guidelines** Matthew J Larcombe	**Spatiotemporal pattern of soil erosion and land use land cover change derived from very high-resolution aerial imagery in Gisborne region New Zealand, 2012 -2014** Oghenemaro Elijah Ogwara *	**Changing the investment conversation: resourcing species recovery in Pacific Island countries** Nunia Thomas	**Transport ecology – one of the greatest challenges and opportunities for global biodiversity conservation** Rodney Van Der Ree	**Scent, sound and visual lures for invasive possums in New Zealand** Al Glen
13.45 - 14.00	**From problem to habitat: reimagining exotic tree removal for biodiversity gain** Jo Ledington & David Spencer	**The apple of their eye: evidence of sensory bias in the vision, diet, and plumage of birds in Aotearoa** Miro Avivoca *	**Establishment of the IUCN Species Survival Commission Center for Species Survival - Papua New Guinea** Steward Sengi	**From aspiration to implementation: embedding biodiversity across the transport infrastructure lifecycle** Jamie Steer	**Where are the predators in North Canterbury? A dynamic occupancy model using tracking tunnel data** Kate McDowell *
14.00 - 14.15	**Soil pathogens and regeneration of Kahikatea (*Dacrycarpus dacrydioides*): effects of parent tree age and sex** Rene Guthoff *	**South Island Giant Moa – stable isotope evidence suggests sex differences in habitat and diet** Anne Gaskett	**Ongoing efforts to search for Samoa's critically endangered Manumea (*Didunculus strigirostris*) in Samoa** Moeumu Uili	**Standardising ecology for better delivery and biodiversity outcomes in transport programmes** Micah Madsen	**Hedgehog (*Erinaceus europaeus*) spatial ecology in northern coastal ecosystems of New Zealand** Erica Paterson
14.15 - 14.30	**Are predator-free sanctuaries restoring forest communities? Long-term vegetation changes at Tawharanui and Shakespear** Shashi Madhushanka *		**Saving the petrels of Gau: building community for the capacity for the recovery of Fiji's rarest seabird** Kalisi Waqa	**Research to roadside: translating pollinator science into infrastructure design** Lauren Delony & Dan Lim	**Lonely Lagomorphs: Novel movement and space use by European rabbits in extremely low population densities** Cai Jager *
14.30 - 14.45	**Assessing the impact of native restoration on beetle and ant communities in Northland** Tomas Blokker		**Hawksbill Turtle nesting in Fiji: baseline trends and opportunities for enhanced community conservation** Shritika Prakash *	**Creating an equity for Matauranga Maori in roading construction alongside ecology** James Kendrick & Caitlin Lavery	**Integrating the Leaf and Whole Plant Towards a Parsimonious Explanation of Heteroblasty in *Pseudopanax crassifolius*** Irisa Hudson *

14.45 - 15.00	**SPEED TALKS** **14.45 - 14.50 Long-term bird species responses to habitat restoration and pest management at Hinewai Reserve, Banks Peninsula** Caitlan Christmas * **14.50 - 14.55 Neighbourhood forest regeneration promotes colonisation of remnant forests by native plant species on Te Pātaka o Rākaihautū | Banks Peninsula** Kyle Rosenblad **14.55 - 15.00 Quantifying variation in soil greenhouse gas fluxes across a forest restoration sequence** Tom Bailey *		**Discussion**	**Waste not want not – Salvaging trees on road projects** David Francis	**Bioacoustic Monitoring (Exhibitor Presentation)** Otis Mayocchi
15.00 - 15.30	**Afternoon Tea** in the Exhibition Area				
15.30 - 17.30	**7A: Symposium: A National Ecosystem Typology: creating a common language** *Supported by Ministry for Cities, Environment, Regions and Transport* Room: Chair: Rachel Corran	**7B: Invasive Species** Room: Chair: TBC	**7C: Symposium: Conversations About Species Conservation: Highlighting Pacific Island priorities and voices to accelerate Pacific Island species recovery actions II** Room: Chair: Mereia Tabua	**7D: Symposium: Connecting People and Wildlife: Advancing Transport Ecology in Oceania II: operations, maintenance, and stewardship** *Supported by ANET & NZTA Waka Kotahi* Room: Chair: Carol Bannock	**7E: Symposium: Genomics for Informing Threatened Species Management: how and why you should use it too** Room: Chair: Eilish McMaster
15.30 - 15.45	**Developing the National Ecosystem Typology: principles, process and partnerships** Fiona Hodge	**Expert-based prioritisation of alien species on the Galápagos Islands according to their impacts** Anna F. Probert	**Building the profile of Fiji's Nanai: a journey through science and tradition** Jone Niukula	**Integrating ecology into emergency response: insights from New Zealand's transport network** Carol Bannock	**Five years, 100+ species, and the case for routine conservation genomics** Eilish McMaster
15.45 - 16.00	**Integrating expert-based and quantitative classifications into a unified terrestrial ecosystem typology** James McCarthy	**Ngā pānga o ngā wāpi whakaeke ki ngā kararehe taketake o Aotearoa: Invasive Vespula Wasps as an emerging threat to native vertebrates** Jo Monks	**Changing the conversation – ecology in a shifting political landscape: community-led conservation of *Dacrydium nausoriense* in Fiji** Ana Lutua	**If a glider pole falls at a crossing, does anyone hear?** David Francis	**Using the right tools for the job: new horizons for conservation genetic management** Tammy Steeves
16.00 - 16.15	**Unifying freshwater wetlands with terrestrial ecosystems: a case study of applying the IUCN GET framework to Aotearoa wetlands** Olivia Burge	**Biological control of the Queensland Longhorn Beetle on Hawai'i Island using entomopathogenic nematodes** Lilah Shapiro	**From research to a national bat action plan for Fiji** Semaema Dileqa	**Penlink O Mahurangi – Ecological learnings from a transport project in North Auckland** Rieke Behrens	**Using whole-genome sequencing to inform disease management of the Critically Endangered Orange-bellied Parrot (*Neophema chrysogaster*)** Meg Emery *
16.15 - 16.30	**A revision of New Zealand's naturally uncommon ecosystem typology and updates to the list of ecosystems** Gretchen Brownstein	**Evaluating conditioned taste aversion as a predation tool in New Zealand forests, using capsaicin** Joe Grace *	**Impact of nickel mining in an island biodiversity hotspot: Identifying the most threatened plant species** David Bruy	**From project-specific plans to programme-scale practice: developing a lizard management guide for transport infrastructure** Simon Chapman	**Conservation management insights from a multi-species genetic study of NZ marine coastal connectivity** Shane Lavery

16.30 - 16.45	**Working towards a better understanding of one of New Zealand's most threatened ecosystems – gumlands** Marley Ford *	**Application of genomics to inform invasive species eradication: insights from a Broad-tailed Gecko (*Phyllurus platurus*) population in Aotearoa New Zealand** Sarah Wells	**Panel Discussion: Identifying priority species for action and achieving global biodiversity goals in Fiji and Papua New Guinea** Kira Mileham, Steward Sengi & Mereia Tabua	**Ecology in the fast lane: protecting shorebirds along Auckland's State Highway network** Michaela Williams	**Could genomics be a silver bullet in the future conservation of New Zealand's rare and endangered Kākahi?** Neil Henderson
16.45 - 17.00	**Ecological character of geothermal habitats in the Taupō Volcanic Zone: observations from the last 25 years** Christopher Bycroft	**The interactions and impacts of co-occurring weeds and their implications for management** Diana Borse *		**Monitoring what matters: lessons from bat monitoring on New Zealand transport projects** Lisa Denmead	
17.00 - 17.15	**Ecological districts and regions of New Zealand: current use, challenges, and future directions** Simon Moore	**Environmental predictors and mycorrhizal associations of the non-native epiphytic orchid, *Epidendrum nocturnum* on Hawai'i Island** Taylor Jenkins	**Mapping Workshop: Connecting Regional Priorities to Recovery-Focused Action** Kira Mileham, Steward Sengi	**What happens to bats when a road is opened? Why? And what could we do about it?** Kerry Borkin	
17.15 - 17.30	**A unified National Ecosystem Typology across domains: a local government perspective** Roger Uys	**Tarns and tadpoles: population ecology of the introduced Brown Tree Frog in alpine freshwater ecosystems** Cassidy Storey *		**Preliminary evaluation of motor cycle protection railing for reducing New Zealand fur seal interactions with a state highway** Alasdair Hall	
19.00	**Wednesday Evening Social Function** (Wynyard Pavilion, 17 Jellicoe Street) – Mix & Mingle styled social function with food provided, guests to purchase own beverages				

THURSDAY 3 DECEMBER

08.00 - 17.00	**Registration & Exhibition Open**			
08.30 - 10.30	**8A: Symposium: Adapting our Adaptive Management: Evidence-driven Conservation Planning & Adaptive Management Tools for Real-world Decisions I** Room: Chair: Jamie McAulay	**8B: Ecology of Primary Production Systems** Room: Chair: TBC	**8C: Symposium: Building Sustainable and Adaptive Participatory Strategies in Conservation by, for, and from Local Communities in New Guinea** Room: Chair: Linzon Zamang	**8D: Urban Ecology** Room: Chair: TBC
08.30 - 08.45	**BioInvest: an evidence-based system for prioritising biodiversity investment across Aotearoa New Zealand** Tim Bamford	**Linking soil microarthropod soil biodiversity as a base for sustainable agroecosystems: diversity and ecosystem functioning** Ruby Angurana	**Restoration, reforestation, and stewardship: lessons from YUS and national programs in Papua New Guinea** Cecil Senive (presented by Linzon Zamang)	**Rapid biodiversity assessment in urban green spaces: a global systematic review and framework for Aotearoa New Zealand** Chenyang Yuan *
08.45 - 09.00	**Guiding conservation investment for threatened species: balancing priorities and practice** Lucy Bridgman	**Nature-related risk management in smallholder tea farming in northern Vietnam** Thi Hoa Vu *	**Community participation in ecological monitoring across the YUS Conservation Area (YUS CA) in Papua New Guinea (PNG)** Markis Pesco	**Minus the Pinus: turning a senescing pine forest into an indigenous urban oasis** Nick Goldwater

09.00 - 09.15	**How do you compare weeds, wasps, and water quality? Building a framework for biodiversity threat management** Fiona Thomson	**Bird damage to wine grapes: a field and landscape-level analysis** Ananya Agnihotri *	**Establishing biodiversity baselines at scale in the community-managed Managalas landscape** Karlina Indraswari	**Conserving arboreal mammals: the role of habitat remnants in urban environments** Kirstie Starr *
09.15 - 09.30	**Beyond the map: applying biodiversity prioritisation to conservation decisions in Tāmaki Makaurau / Auckland** Sabine Melzer	**A systematic scoping review and evidence map of indicators used to evaluate the effectiveness of nature-based solutions in agricultural landscapes** Thanh Nguyen *	**Guideline for navigating large‑scale acoustic monitoring datasets to identify frog calls using visualization tools in data‑deficient landscapes** Umar Fhadli Kennedi *	**Biodiversity and ecosystem service benefits of a "low mow" approach to urban park management** Stephen Hartley
09.30 - 09.45	**Resisting, accepting, or directing ecological change? Applying the RAD framework to climate change adaptation for Mahoenui Giant Wētā** Anni Brumby	**Shared ground: winter field selection by birds on Canterbury farmland and implications for conservation and disease risk** Mary Buford Turnage *	**Mountains as refugia: how elevation shapes mammal diversity in one of New Guinea's largest community-conserved landscapes** Danny Nanne *, Karlina Indraswari & Umar Fhadli Kennedi *	**Size matters: Urban Green Infrastructure design influences invertebrate visitors** Ashleigh Adam *
09.45 - 10.00	**Building the evidence-based framework for native afforestation in Aotearoa New Zealand** Stanislav Garbuz	**Microbial profile of mouse populations in grain cropping regions of Australia** Ko-Huan Lee	**From rediscovery to recovery: building an Indigenous-led conservation model for Attenborough's Long-beaked Echidna in the Cyclops Mountains, Papua, Indonesia** Malcolm (Wilson) Kobak	**SPEED TALKS** **09.45 - 09.50 Rating the rating system: does the GardenStar index predict a garden's invertebrate biodiversity?** Dan Moskovitz *
10.00 - 10.15	**Multi-objective optimization for project prioritization** Jeffrey Hanson		**Discussion**	**09.50 - 09.55 Berms for biodiversity? Comparing invertebrate communities on lawn and planted road verges in Auckland** Jimi Webb *
10.15 - 10.30	**Adapting together: applying conservation standards in landscape-scale collaborative conservation** Beth Endres			**09.55 - 10.00 Changing the conversation on urban catchment conservation: how land use and seasonal dynamics shape PFAS pollution and inform ecological decision-making** Jayamini Bimali Koongolla * **10min Q&A**
10.30 - 11.00	**Morning Tea** in the Exhibition Area			
10.30 - 11.00	**Te Aka Toro - NZ Ecological Society Council Meeting (**WG126)			

11.00 - 12.30	**9A: Symposium: Adapting our Adaptive Management: Evidence-driven Conservation Planning & Adaptive Management Tools for Real-world Decisions II** Room: Chair: Jamie McAulay	**9B: Threatened Species Monitoring & Management I** Room: Chair: TBC	**9C: People & Nature: Education & Engagement** Room: Chair: TBC	**9D: Open Forum V** Room: Chair: TBC
11.00 - 11.15	**Conservation intelligence: Building an AI enabled adaptive management monitoring and evaluation system** Jamie McAulay	**Informing conservation through multi-scale knowledge integration: defining the ecological niche of the critically endangered Tara Iti (*Sternula nereis davisae*), in Aotearoa New Zealand** Nicole Whitelock *	**Human connection, knowledge sharing, financial freedom and ecological conditions can facilitate joint desirable outcomes for people and nature in private lands** Erica Nolasco *	**Searching for starvation signals: can stable isotope analysis help us identify signs of stress and abuse in mammalian species?** Ané Conradie *
11.15 - 11.30	**Changes in the composition and health of Auckland's wetland ecosystems over the first 15 years of the Auckland Wetland Biodiversity Monitoring Program** Craig Bishop	**Head-starting Tara Iti: intensive management of New Zealand's rarest breeding bird** Juan Cornejo	**Cultural framing influences affective responses to ecological restoration: evidence from a university service-learning program** Spencer Ingley	**A deep learning species classification pipeline for New Zealand beech tree species based on UAV imagery** Binyao Yang *
11.30 - 11.45	**11.35: Joint Panel Discussion** **Where to from here? Improving biodiversity outcomes while delivering the infrastructure we need**	**Returning Niho Taniwha to Aotea / Great Barrier Island: Movement, habitat use, and site establishment of *Oligosoma homalonotum* following austral winter and spring translocations** Sophie Whittall *	**Using visual art to increase scientific literacy** Tate Agnew *	**Wolgalu and Wiradjuri perspectives on proposed synthetic biology approaches for the conservation of the Gyak (Southern Corroboree Frog) in Australia** Rose Woodhouse *
11.45 - 12.00		**The online trade of New Caledonian Diplodactylidae: evidence and rationale for a CITES appendix listing** Shyam Sharma *	**Empowering future conservationists through science education: promoting biodiversity awareness among high school students in Vanuatu** Ewannah Tanabose *	**Expert perspectives are key to guiding the improvement of lizard mitigation processes in Aotearoa | New Zealand** Diana Methner *
12.00 - 12.15		**DNA-based detection method to support compliant trade and protection of endangered plant species** Julia Allwood	**Empowering communities as ecologists through the Finding Franklin Bats Project** Hayley Schmidt	**Spatiotemporal niche partitioning of invasive mammalian predator guilds** Martina Reinbach *
12.15 - 12.30			**Technically speaking... Ecology at the mercy of policy language** Morgan Tracy-Mines	
12.30 - 13.30	**Lunch** in the Exhibition Area ***Student Award Judges to meet in WG126			

13.30 - 15.15	**10A: Invasive Species Management** Room: Chair: TBC	**10B: Threatened Species Monitoring & Management II** Room: Chair: TBC	**10C: Aquatic Systems** Room: Chair: TBC	**10D: Spatial Ecology** Room: Chair: TBC
13.30 - 13.45	**Rats and regulations: second generation anticoagulant rodenticides in Australia** Robert Davis	**Captive breeding of the Fijian Voracious Dtella *Gehyra vorax* Girard, 1858 (Gekkonidae)** Jake Taoi	**Instream flow standards protect amphidromous species on tropical islands** Ayron Strauch	**Developing a nature-positive framework for offshore wind in Aotearoa New Zealand** Carolyn Lundquist
13.45 - 14.00	**A precision ecological intelligence platform: integrating sensing, data and targeted delivery for the future of vertebrate pest management** Craig Morley	**When recovery isn't enough: decoupling demographic and functional recovery in an island seed disperser** Maia Raymundo	**Across catchment interventions can halt water quality degradation in a shallow riverine lake** Mafalda Baptista	**Do exotic plant species contribute to Myrtle Rust outbreaks in Aotearoa | New Zealand?** Sarah Herbert
14.00 - 14.15	**The pathway to precision pest control: enhancing toxicant selectivity for invasive mammal control in New Zealand** Erica Hendrikse	**Using post-release monitoring to inform future translocation planning** Zoe Stone	**Hotspots within hotspots: a case of aquatic plants in Asia-Pacific** Yu Ito	**Regeneration opportunities for an emergent long-lived conifer decline over time, with little effect of a virulent pathogen** Toby Elliott
14.15 - 14.30	**Detecting and responding to rats in large landscapes: learnings from the Predator Free South Westland project** Marissa Le Lec	**Healthy homes for bats? Microclimate conditions of bat boxes occupied by Long-tailed Bats (Pekapeka) in Hamilton City** Aimee O'Sullivan	**Protecting the flowers of the sea: an overview of Guam's seagrass research and conservation efforts** Cara Lin	**Recreation meets conservation: assessing erosion vulnerability across a large public trail network** Derek Risch
14.30 - 14.45	**Understanding variation in the efficacy of cereal 1080 bait for targeting Aotearoa's three rat species** Jennifer Dent	**Collaboration and Kiwi-can-do reverse failing fortunes of an invertebrate icon** Donald McFarlane	**Snap decisions: quantifying confidence in crocodile absence to support risk management in recreational areas** Anna Redmond	**Fit foragers facilitating fat fledglings** Taylor Hamlin
14.45 - 15.00	**Managing wild deer as a 'wicked problem': a governance framework for structured and adaptive decision-making** Amy Whitehead	**Championing the 'Underlizard'** Richard Gibson	**Marine protection does not result in a trophic shift for a demersal fish with a generalist diet** Tamlin Jefferson	**Surviving in pockets: investigation of occupancy-based population viability analyses for the Pacific Pocket Mouse** Timothy Jones
15.00 - 15.15				**Playing with fire: flammability, fire tolerance, and the competition-colonisation trade-off** George Perry
15.15 - 15.45	**Afternoon Tea** in the Exhibition Area			
15.45 - 16.30	**Plenary 4: Sian Crowley** (The Seed Pod) **- Winner of the Ecology in Action Award 2025** *From Curiosity to Care: Growing the Future of Ecology* (WG403)			
16.30 - 17.00	**Awards & Conference Close**			

FRIDAY 4 DECEMBER	
FIELD TRIPS	
07.30 - 12.00	**Ambury Regional Park - Shorebirds, Farming History and Urban Interfaces**
08.30 - 12.30	**Urban Ecology and Restoration Perspectives - AUT Living Laboratories native forest restoration experiments**
08.30 - 12.30	**Ultra-Urban Ecology Walk of Wynyard Quarter and Waterfront**
08.30 - 12.30	**UAV Demonstration and Workshop - Ecological Applications**
09.00 - 16.00	**Rangitoto Island - Volcanic Landscapes and Island Ecology**
09.30 - 12.00	**Behind the Scenes at Auckland Museum - Collections and Biodiversity**
14.00 - 16.30	**Behind the Scenes at Auckland Museum - Collections and Biodiversity**

*Field trips require pre-booking and details can be viewed on the website. If you are signed up, look out for a pre-trip email from the trip leaders for further information.

POSTERS

POSTER SESSION

TUESDAY 1 DECEMBER 18.00 - 19.30

POSTER TITLE	PRESENTERS
Animal Behaviour	
How do butterflies see? Aotearoa's butterfly colours	Angie Zhu
Applied Ecology/Management and Monitoring	
Assessing reptile biodiversity and conservation on an offshore island	Jayden Bradley
From Community Trapping to Conservation Evidence: Understanding Predator Control at Oakley Creek | Te Auaunga	Catherine Burns Morales
When broad-scale biodiversity indicators hide change: lessons from New Zealand's first Red List Index	Ellen Cieraad
How unique is a goldilocks zone? Testing the generalisability of optimum sampling temperatures for lizards	Justin Clause
Anthropogenic and Environmental Drivers of Plant Community Structure in a Community Forest of Eastern Terai, Nepal	Nirmala Ghimire
Predicting Ecosystem Collapse for the Red List of Ecosystems	Jordan Haber
Detecting the elusive: collaborative inventory and monitoring of Otago's threatened wetland birds	Scott Jarvie
Beyond survival: decade-long effects of captive rearing on growth and condition of Tuatara reintroduced as juveniles	Scott Jarvie
Using Forest Floor Microclimate to Inform Wildfire Risk Modelling in Orokonui Ecosanctuary, Otago, New Zealand	Yazmin Kecskemeti
Which molecular tool do I need? Case studies for DNA-based invasive predator monitoring and management in New Zealand	Georgia Steel
Ecosystem Services	
Extreme heat is reorganizing urban life across species	Long Yin
Freshwater Ecology	
Invasion and refugia: predicting future habitat suitability of Aotearoa New Zealand for invasive gold clam (*Corbicula fluminea*) and native kākahi (*Echyridella menziesii*)	Florence Bygraves
How speculation became accepted truth: evidence that Aotearoa New Zealand freshwater eels do not seem to spawn 'near Tonga' or 'east of Samoa'	Amandine Sabadel
Functional and Taxonomic Diversity	
Artificial light at night (ALAN) causes predator declines in invertebrate communities	Ellen Cieraad
Ecological Niche Differentiation and Cytological Diversity in the *Schoenus apogon* (Cyperaceae) Species Complex	Yu Ito
Invasive Species	
Beyond occurrence records: mobilising biodiversity monitoring data to GBIF	Elise Arnst
Ecological Interactions Between Rodents and Possums	Ya-Chen Hsieh
Restoration of Mauberema Forest from Invasive Species; *Cestrum fasciculatum* in Simbu Province Papua New Guinea	Dennis Salukeng
Large-scale Ecology and Land Management	
Ecosystems of the Waikato region: Indigenous and exotic, terrestrial and wetland.	Paul Dutton
Conservation at the Rural–Urban Fringe: Leveraging Lifestyle Properties for Biodiversity Enhancement.	Diane Pearson
Auckland's Ecological Management - When People Are The Solution	Jillana Robertson
Mātauranga Māori	
Te Aitanga Pepeke – The Insect World: A bilingual digital learning resource for teaching primary school children about Aotearoa New Zealand's insects	Tui Whale

Restoration & Reconciliation Ecology	
How does early drought exposure shape native seedling performance after restoration planting?	Bradley Case
Community-led tree nursery: an opportunity to council restoration effort and local bioeconomy in rural Papua New Guinea	Stanley Geremba & Peter Kaupa
Life on the salt edge: Understanding and restoring Otago's inland saline ecosystem	Scott Jarvie
Plant hormones weaken the natural attenuation of organophosphate esters in the rhizosphere	Longfei Jiang
Single-Cell Analysis of Microbial Degradation Mechanisms and Remediation Potential for Emerging Pollutants	Jibing Li
Rhizospheric Phosphorus Activation Drives Microbial Degradation of Organophosphate Esters	Chunling Luo
Feeling territory, answering for it: Emotional trajectories of conservation leadership in the Andean Chocó Biosphere Reserve, Ecuador	Lilian Peralta Gordon
Beyond plant removal: Soil microbial recovery and legacy effects in restoration	Jodie Wiltse
Spatial ecology and modelling	
Modelling the impact of marine heatwaves on *Ardenna carneipes* (flesh-footed shearwater) distributions in northern New Zealand	Allison Dunlop
A Good Place for a Shag: Foraging Associations with Seagrass Beds in Tauranga Harbour	Isabelle Hughes-Cooper
Habitat use and preferences of forest geckos (*Mokopirirakau granulatus*) and West Coast speckled skinks (*Oligosoma aff. newmani* "Westland") in a threatened ecosystem	Michaela Lambert
Geospatial analysis of catchment-based pressures on marine ecosystems in the Northland region of New Zealand	Thomas Smith & Daniel Breen
GenoScape.R: assigning geographic origins for individuals across continuous landscapes using genomic relatedness	Andrew Veale
Species Interactions	
What's good for the goose might be good for the plants: potential seed dispersal by Canada Geese (*Branta canadensis*) among kettle hole tarns	Jane Gosden
How do Aotearoa alpine insects freeze?	Mary Morgan-richards
Urban Ecology	
Why do toutouwai disappear from Wellington's urban reserves?	Jayden Alexander
From Strategy to Implementation - Delivering Urban Biodiversity in a Rapidly Growing City	Toni Cornes
From Research to Restoration - The Hamilton Gully Restoration Guide	Toni Cornes
Investigating the Control of Water Celery (*Helosciadium nodiflorum*) in an Urban Wetland	Vanitha Elangovan
Environmental, spatial, and landscape correlates of fern communities in Auckland's urban forest fragments	Fanglin Feng
Other	
Beyond occurrence records: mobilising biodiversity monitoring data to GBIF	Elise Arnst
Communicating research is key for future community support	Kerry Borkin
Comparative Assessment of Post-Harvest Quality and Microplastic Contamination in *Rastrelliger kanagurta* from Fijian Fish Markets	Shania Chand
The how and why of hydathodes: Investigating relationships between hydathodes, marginal leaf teeth, and moisture in temperate forest trees of Aotearoa New Zealand	Louis Ferguson
Shallow but significant genetic structure of the Winged Pearl Oyster *Pteria penguin* in Fiji: implications for mabé pearl production	Isabell Sami
Wikidata and you: How to make use of the linked data ecosystem	Lucy Schrader
Forest Guardians of the Bismarck Range, Papua New Guinea: Strengthening Ranger Capacity for Community-Led Conservation in the Bismarck Forest Corridor	John Tau
Investigating the importance of arbuscular mycorrhizal fungi to kauri (*Agathis australis*) seedlings	Julia Thain
Understanding taxa representation issues in NZ's palynoflora through pre-deforestation fossil pollen records	Jacqui Vanderhoorn

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