



NEW ZEALAND
ECOLOGICAL
SOCIETY

2019 Conference

Lincoln University, New Zealand
1–5 December 2019

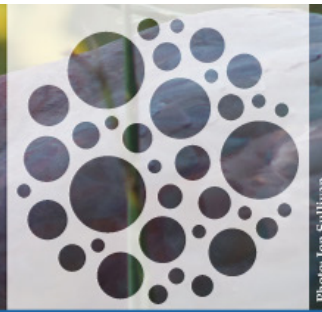
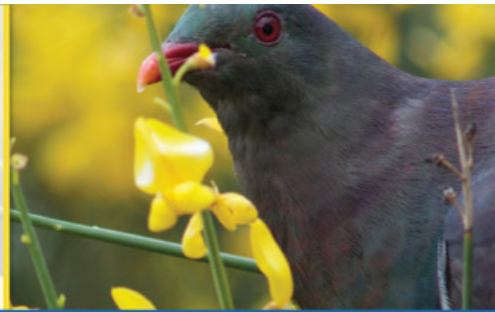


Photo: Jon Sullivan

Programme

Sunday, 1 December

Student Day & Pre-Conference Workshops (Lincoln University)

Location: Stewart Building				
Room:	S2	Conf A	Conf B	S1
9:00 AM	9.00AM – 1.15PM Student Day Supported by Department of Pest Management, Lincoln University		9.00AM - 5.00PM Meteorological and hydrological measurements and datalogging for ecology applications Full day workshop Presented by Scott Technical Instruments	
10:05 AM	Morning Tea (for Student Day attendees)		Morning tea (for Meteorological workshop attendees)	
10:30 AM	Presentations continue	10.30AM – 12.30PM NZES as an active Treaty Partner (catering not provided)	Workshop continues	
12:15 PM	Lunch & Conclusion (for Student Day attendees)		Lunch (for Meteorological workshop attendees)	
1.30 PM		1.30 PM – 5.00 PM Ecological Impact Assessment – what, why and how? Supported by Environment Canterbury	Workshop continues	1.30 PM – 5.00 PM Kaitiakitanga in urban spaces (catering not provided)
2.45 PM		Afternoon tea (Ecological Impact workshop attendees)	Afternoon tea (for Meteorological workshop attendees)	
5.00 PM		Workshop Concludes	Workshop Concludes	Workshop Concludes
5:30 - 7:00 PM	Welcome Reception (Mrs O's, Lincoln University) First opportunity to meet and network with other delegates. Check-in to the conference. Nibbles and first beverage provided.			

NZES 2019 Conference Host



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Manaaki Whenua
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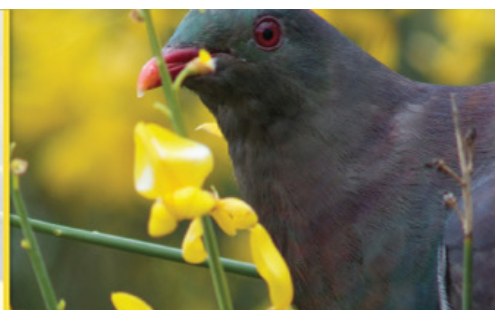


Photo: Jon Sullivan

Programme

Monday, 2 December

Location: Stewart Building

8:00 AM	Check-in open in Stewart Building Foyer		
8:50 AM	Mihi Whakatau & Conference Opening (S1) Speakers: Prof Bruce McKenzie, Acting Vice Chancellor and Hon Eugenie Sage, Minister for Conservation. Chair: Tim Curran		
9:35 AM	Keynote Address: Susan Walker Manaaki Whenua Landcare Research (S1) <i>"You are not an advocate": politics meets conservation science</i> 2018 recipient of Ecology in Action Award Chair: Tim Curran		
10:15 AM	Morning Tea (Stewart Foyer)		
Room:	S1	S2	Conf Rm A/B
Sessions	Braided Rivers Symposium Chair: Kerry Weston	Myrtles for Tomorrow: Myrtle Rust Research Updates Symposium (I) Chair: Renee Johansen Sponsored by Beyond Myrtle Rust	Enhancing Functional Biodiversity in Agroecosystems Symposium (I) Chair: Hannah Buckley Sponsored by AUT
10:45 AM	Colin O'Donnell Biodiversity values and conservation management of braided rivers: progress and directions	Grant Smith <i>Austropuccinia psidii</i> , the causal agent of myrtle rust, is a threat to New Zealand's native Myrtaceae species	Hannah Buckley Nature conservation on New Zealand sheep and beef farms
11:00 AM	Ann-Kathrin Schlesselmann Genetic and morphometric patterns indicate black-fronted terns are a habitat-tracking metapopulation		Bradley Case Re-visioning the agricultural landscape: exploring native revegetation scenarios for multiple benefits in agroecosystems
11:15 AM	Ann Brower Braided rivers -- the land the law forgot	Overview: Mahajabeen Padamsee (Beyond Myrtle Rust) Maureen O'Callaghan (BioHeritage) Katrin Webb (DOC)	Fleur Maseyk Farmer perspectives on native biodiversity on-farm
11:30 AM	Tara Murray Terrestrial Invertebrate Biodiversity and Management on Braided Rivers		Katherine Dixon Regenerating hill country landscapes that are valued by all New Zealanders
11:45 AM	Jo Hoyle Threats to physical habitat in braided rivers	Roanne Sutherland Myrtle rust attacks native Myrtaceae in New Zealand forests, monitoring the impact and disease progression	Cathy Nottingham How does landscape heterogeneity influence feral cats' home range and movement?
12:00 PM	Richard Measures Hāpua morphodynamics and why they are important for ecology	Michael Bartlett Sexual reproduction in the invasive myrtle rust pathogen <i>Austropuccinia psidii</i> in New Zealand	Valance Smith, Peter Edwards & John Perrott The economy of mana as a framework for enhancing native biodiversity on farms
12:15 PM	Lunch (Stewart Foyer)		
Sessions	Applied Ecology Chair: Carol West	Myrtles for Tomorrow: Myrtle Rust Research Updates Symposium (II) Chair: Renee Johansen Sponsored by Beyond Myrtle Rust	Enhancing Functional Biodiversity in Agroecosystems Symposium (II) Chair: David Norton Sponsored by AUT
1:15 PM	Maggie Nichols A novel approach to mitigating the risk to kea from an aerial 1080 operation, and assessing that risk at the individual and population level	James McCarthy Using spatial models to identify refugia and guide restoration as part of Aotearoa's response to myrtle rust	Alec Mackay Influence of advancing biodiversity enhancement programmes on the operation and income of sheep and beef farms
1:30 PM	Natalie de Burgh Using para-aminopropiophenone (PAPP) as an effective tool to control feral cats in Hawke's Bay, New Zealand.	Hayley Ridgway The microbiome of New Zealand myrtaceous species is diverse and contains members important for plant defence	Robyn Simcock Stacking ecosystem services for biodiversity restoration: co-developing interventions through participatory approaches and farm planning
1:45 PM	Muhammad Asad Assessing subspecies status of leopards (<i>Panthera pardus</i>) of northern Pakistan using mitochondrial DNA	Fiona Thomson Preserving our native Myrtaceae from Myrtle rust: A germplasm approach	Leilani Walker The experience of organisations conducting native afforestation in the North Island, New Zealand
2:00 PM	Saif Khan Remotely sensing ecology: Assessing the habitat quality of braided river birds in southern New Zealand with high resolution aerial imagery	Murray Dawson Development of a new interactive key to identify NZ Myrtaceae	Febyana Suryaningrum Beyond the One Billion Trees programme: multifunctionality of sheep and beef agroecosystems for carbon, biodiversity and farming
2:15 PM	Rowan Sprague Grasslands under threat: The spread of wilding conifers and the community action to stop it	Andrea Grant Developing tools for building engagement and social licence in response to myrtle rust	Katie Collins The Living Water partnership: Can DOC and Fonterra really work together? Is it possible for dairying and freshwater thrive side-by-side?
2:30 PM	Sam Heggie-Gracie Why did the kiwi cross the road?	Discussion facilitated by Jenny Leonard	Brandon Goeller How do on-farm constructed wetlands shape up for enhancing native biodiversity?
2:45 PM	Afternoon Tea (Stewart Foyer)		

Programme

Monday, 2 December continued

Room:	S1	S2	Conf Rm A/B
Sessions	Applied Ecology + Restoration Chair: Rowan Sprague	Mātauranga Māori and shaping ecological futures Chair: Rau Kirikiri	Enhancing Functional Biodiversity in Agroecosystems Symposium (III) Chair: Bradley Case Sponsored by AUT
3:15 PM	Jennifer Schori The great assisted escape: Improving conservation translocation success for threatened insects using the robust grasshopper as a case study	Priscilla Wehi, Tara McAllister & Jaqueline Beggs Ka mua, ka muri: the inclusion of mātauranga Māori in New Zealand ecology	Stacey Bryan Communication for better biodiversity on farms
3:30 PM	Lais Maia Genetic diversity of parasitoids enhances biological control		David Norton Obtaining positive native biodiversity outcomes in agroecosystems
3:45 PM	Ruth Bollongino Using mark-recapture to monitor threatened land snails	Peter Edwards Is there a place for customary harvest of taonga in Aotearoa, how can we value what we don't know?	David Norton Closing Panel Discussion: How can we achieve nature conservation on New Zealand sheep and beef farms?
4:00 PM	André Bellvé Resolving the niche space of native perching lilies to match habitats with habitat formers	Erana Walker Kaitiakitanga in the urban space	
4:15 PM	Helen Warburton Delayed biological recovery after restoration – a result of negative resistance and resilience?	Aisling Rayne Have your kēkēwai and eat it too: dual prioritisation of species recovery and ecosystem rehabilitation for better bioheritage outcomes	
4:30 PM	Isabelle Barrett Negative resistance and resilience: a mesocosm experiment demonstrating consequences for biological recovery in restoration	Levi Collier-Robinson Embedding kaupapa Māori principles in genomic research of taonga species: a conservation genomics case study	
4:30 PM	Carol West Harakeke fast-tracks old-field succession to forest on Tiritiri Matangi Island	Andrew Veale Using te reo Māori and ta re Moriori in taxonomy	
4:45 PM	Charlotte Patterson Reinvasion prevention of the common brushtail possum (<i>Trichosurus vulpecula</i>) within a New Zealand urban centre via spatially explicit, agent-based modelling	Jodanne Aitken & Marcus Shadbolt Empowering the Local Voice in a Graphical Representation of New Zealand's Biological Heritage (Flora & Fauna)	
5:15 - 6:15 PM	Mātauranga Māori Journal Launch (Dining Hall) Brought to you by: Manaaki Whenua – Landcare Research, Bio Heritage Challenge, Centre for Biodiversity and Biosecurity, the University of Auckland & Te Pūnaha Matatini		
6:30 PM	Networking Dinner at The Laboratory (17 W Belt, Lincoln) Join in for a relaxed social evening at Lincoln's very own Craft Brewery. Pre-booking/payment required		

Programme

Tuesday, 3 December

Location: Stewart Building			
8:50 AM	Housekeeping (S1)		Chair: Tim Curran
8:55 AM	Keynote Address: George Perry by video link University of Auckland (S1) <i>Revealing the palimpsest: using models to reconstruct past ecosystem dynamics and their legacies</i>		Chair: Cate Macinnis-Ng
9:35 AM	NZES President Address By Cate Macinnis-Ng (S1)		Chair: Tim Curran
9:50 AM	Keynote Address: David Bowman University of Tasmania (S1) <i>Pyrogeographic thinking - the key to tackling the global fire crisis</i> With support from Sponsor Fire – Open Access Journal		Chair: Tim Curran
10:30 AM	Morning tea (Stewart Foyer)		
Room:	S1	S2	Conf Rm A/B
Sessions	Invasive Species Chair: Warwick Allen	Fire Symposium (I) Chair: Tim Curran & Nicola Day	Freshwater & Estuarine Ecology Chair: Katie Collins
11:00 AM	Mariona Roige Valiente sTWIST – Theory and Workflows for Alien and Invasive Species Tracking	H. Grant Pearce New Zealand's changing fire environment – current and future	Angus McIntosh Proximate controls on the dimensions of stream food webs across land use types: evidence from a stable isotope meta-analysis
11:15 AM	Andrei Costan Escaping specialist herbivores does not result in <i>Rumex</i> spp. shifting their defence chemistry towards increased growth in New Zealand	Brendon Christensen Wildfire research related to conservation in New Zealand Aotearoa: DOC Summer student scholarships	Alex Barclay What's up there and who eats whom? Macroinvertebrate community composition of South Island alpine tarns
11:30 AM	Robert Gibson II Is seed predation a limiting factor to invasion by <i>Pinus radiata</i> and its hybrid in Canterbury high country?	Alicia Wong Blazing forest floor: potential contributions of soil seedbank in New Zealand's post-fire recovery	Matt Kavermann Ecological restoration or population decimation? (Un)expected consequences of native fish restoration attempts
11:45 AM	Markus Gronwald Behaviour of invasive ship rats, <i>Rattus rattus</i> , around self-resetting traps	Xinglei Cui Shoot flammability of vascular plants is phylogenetically-conserved and related to habitat fire-proneness and growth form	Bridget White Restoration at a snails pace? Differences in prey vulnerability to predation have implications for stream restoration
12:00 PM	Briar Cook 1080 TO ZERO: can consecutive aerial applications of 1080 completely remove possums from the Perth River valley (South Westland)?	Md Azharul Alam Flammability of crown fuel mixtures is non-additive: Low flammability plants reduce fire residence time and total heat release	Susan Wiser Using satellite imagery to detect and map ephemeral wetlands
12:15 PM	Hayley Alena How can we motivate conservation volunteering? A case study of community pest control on Herald Island	Tim Curran Careful planning is required to ensure that New Zealand's One Billion Tree Programme doesn't go up in smoke	Chris Bycroft The response of karepō/seagrass (<i>Zostera muelleri</i> subsp. <i>novozelandica</i>) in an intertidal flat habitat following power pole maintenance works at Wharekawa Harbour, Coromandel Peninsula

Programme

Tuesday, 3 December continued

12:30 PM Lunch (Stewart Foyer)		AGM (Conference Rm A/B)		
Sessions	Invasive Species Impacts Symposium I (predators) Chair: Andrea Clavijo-McCormick	Fire Symposium (II) Chair: Sarah Wyse	Ecosystem Services Chair: James McCarthy	
2:00 PM	James Russell Consequences of multi-species introductions on island ecosystems	Nicola Day Changing wildfire activity in a fire-adapted system: ecological impacts of a large fire year in Canadian boreal forests	Brad Howlett Wild bees as crop pollinators in New Zealand: which ones and how should we approach managing them?	
2:15 PM	Zachary Carter Prioritising insular eradications throughout New Zealand for Predator Free 2050	Panel Discussion Facilitated by Tim Curran, an expert panel (David Bowman, Nicola Day, Grant Pearce, Brendon Christensen and Sarah Wyse) and the audience will discuss the question: How can we best manage fire while conserving biodiversity in a changing world?	Melanie Davidson Provision of insect related ecosystem services through the use of designed native plantings on farms using an ecological network approach	
2:30 PM	Tess O'Malley Developing a novel zero-density management strategy for possums – initiatives for Predator Free 2050		Ralf Ohlemuller On the relationship between biodiversity and scientific inspiration	
2:45 PM	Andrew Veale Are gene drives the solution to make New Zealand 'predator free' by 2050?		David Hawke Nitrogen stable isotope depth profiles in a seabird forest soil, and contextualization into non-seabird systems	
3:00 PM Afternoon tea (Stewart Foyer)				
Room:	S1	S2	Conf Rm A/B	
Sessions	Invasive Species Impacts Symposium II (plants, microorganisms, and insects) Chair: Andrea Clavijo-McCormick	Large Scale Ecology Chair: Liz Curry Sponsored by Major Sponsor Tonkin + Taylor	Spatial Ecology Chair: Tom Etherington	
3:30 PM	Andrea Clavijo-McCormick Complex ecological impacts of the giant willow aphid invasion in New Zealand	Philippa Crisp Threatened forest ecosystems and the One Billion Trees programme	Nicola Day Long-term change in New Zealand tussock grasslands	
3:45 PM	Norman Mason Thinking fast and slow in ecological research: a wilding conifer case study	Liz Curry Agricultural intensification exacerbates ecological impacts in forest remnants	Esther Dale Does shifting out of forest promote diversification in New Zealand plant lineages?	
4:00 PM	Sarah Sapsford Towards a framework for understanding the context-dependencies of the impacts of non-native tree species	Simon Moore The Shifting Complexion of Molesworth - Floristic Winners and Losers	Nora Schlenker Climatic Niches of New Zealand's Extinct and Extant Plant Genera	
4:15 PM	Evans Effah Emission of volatile organic compounds by mānuka in response to conspecifics, native and invasive plant species	Elizabeth Overdyck Nationally threatened and regionally uncommon species of the Waikato region	Ralph Wainer Soil biodiversity assessment for the lazy: How sample pooling affects perceived impacts of <i>Cytisus scoparius</i> (Scotch broom) on fungal communities	
4:30 PM	Warwick Allen Experimental mesocosm communities reveal no support for enemy release	Paul Dutton Recent Extensive Indigenous Biodiversity Loss in the Waikato Region	Richard White Counteracting effects of extreme climate events maintains metapopulation persistence under global warming	
4:45 PM	Lauren Waller Plant-soil feedbacks explain competitive success of exotic plants in mixed communities	Ian Dickie Rare but not local: spatially dispersed salvage logging does not mitigate threat to fungal biodiversity	Discussion	
5:00 PM	Keynote Address: Yvette Couch-Lewis RMA Hearing Commissioner and a board ministerial advisor (S1) <i>What lessons can the rest of the country learn from Rapaki and Ōhinehou?</i>			Chair: Jon Sullivan
5:40 PM	Manaaki Whenua – Landcare Research Photo Competition Awards Presented by Chris McDermott			
5:45 - 7:00 PM	Poster & Networking Reception (Stewart Foyer) Network with colleagues and friends while reviewing poster displays of the latest research being conducted by your peers. Brought to you by Major Sponsor Manaaki Whenua – Landcare Research			

Programme

Wednesday, 4 December

Location: Stewart Building				
Room:	S1	S2	Conf Rm A/B	SAVVY Express
Sessions	Ecology of Dispersal Symposium Chair: Sarah Wyse & Tom Etherington	Next Generation on Next-Generation Sequencing Symposium Chair: Sandra Savinen	Urban Ecology Chair: Colin Meurk	
9:00 AM	Sarah Wyse Dispersal potential of <i>Pinus radiata</i> in New Zealand	Rachael Ashby & Timothy Bilton Help! What do I do with my data? Answering ecological questions using low-coverage next generation sequencing	Jon Sullivan Biodiversity where you are now: trends, patterns, and opportunities for wild indigenous biodiversity at Lincoln	Science Media SAVVY Express Training (By Appointment)
9:15 AM	James Brock Fern dispersal across the Pacific		Monique Hall Optimising enrichment planting during urban forest restoration in the Central North Island	
9:30 AM	Thomas Etherington Human accessibility across New Zealand	Sandra Savinen Do genetic shifts explain the success of invasive plant species?	Elizabeth Elliot Noe The capacity of restored urban forests to support native birds: Social or ecological restoration?	
9:45 AM	Philip Hulme Does awareness of invasive freshwater plants mitigate the dispersal risk posed by lake users?	Sarah Flanagan The future of parentage analysis: From microsatellites to SNPs and beyond	Olivia Rooke-Devoy Outgrowing our Mowing: Encouraging low-cost, biodiverse lawns in Auckland	
10:00 AM	Madeline Marshall A network analysis of pathogen prevalence and biosecurity protocols in New Zealand forestry nurseries	Christopher Smith Pekepekekiore – An edible native fungus, a genome, some cryptic endemism and a bit of functional analysis too	Stephen Hartley Hotspots and habitat associations of urban mammals: mice, rats, cats, possums and hedgehogs	
10:15 AM	Rogini Nunghen Risks of unintended human-mediated dispersal using visitors' travelling patterns	Andrew Dopheide Assessing the impacts of land use change on soil invertebrate richness and endemism across New Zealand	Yanbin Deng Kahikatea Green Wheel – a Warrant of Fitness tool for lowland forest fragments	

10:30 AM Morning tea (Stewart Foyer)					
Sessions	Species Interaction Networks Symposium Chair: Lauren Waller	Funct/Tax Diversity + Species Interactions Chair: Jon Sullivan	Urban Ecology + Land Typing + Animal Behaviour Chair: Adrian Paterson	SAVVY Express	
11:00 AM	Jason Tylanakis Ecological networks in biological control	Manpreet Dhami Assembling communities: One OTU at a time	Amy Whitehead Reducing the impact of LED streetlight conversions on cultural and ecological values	Science Media SAVVY Express Training (By Appointment)	
11:15 AM	Guadalupe Peralta What do ecological networks tell us about ecosystem functions?	William Lee Whole genome duplication: a random event with a predictable ecological outcome?	Di Lucas Land Typing: utility and accessibility		
11:30 AM	Jonathan Tonkin Consequences of species role plasticity in multilayer interaction networks	Daphne Lee Saving the terrestrial biodiversity of the distant past: Foulden and Hindon Maar ecosystems highlight life in Miocene Zealandia	Shona Myers Protection of biodiversity by councils - is it working?		
11:45 AM	Daniel Stouffer Hidden non-linearities, non-additivities, and higher-order interactions in predator-prey functional responses	Alba Cervantes Pollinator functional responses: pollinator interference generates context dependent outcomes	Sahar Firoozkoobi Stay or Leave? Avian Responses to Urbanisation		
12:00 PM	Jamie Stavert Linking networks to function: the hidden role of species dominance	Michelle Marraffini Trials and tribulations of inferring species interactions from time-series data	Sarah Busbridge A tenuous link: information transfer between ecological research and restoration practice		
12:15 PM		Jo Carpenter The forgotten fauna: native seed predators on islands	Aaron Bertoia Monitoring lizard emergence behaviour in a remote alpine environment		
12:30 PM Lunch (Stewart Foyer)					
Room:	S1		S2		
Sessions	Mast Seeding Symposium Chair: Clayson Howell		Contemporary Evolution in Response to Environmental Change Symposium Chair: Jennifer Bufford		SAVVY Express
1:30 PM	Clayson Howell Tau humi mō karoī (year of abundance for kahikatea)		Jennifer Bufford Evolution in the introduced range: testing for local adaptation and phenotypic plasticity in an invasive plant		Science Media SAVVY Express Training (By Appointment)
1:45 PM	Jennifer Christie Using multispectral imagery to classify red tussock (<i>Chionochloa rubra</i>) mast seeding		Robert Poulin Rapid evolution in parasites: New Zealand trematodes keeping up with a changing world		
2:00 PM	Ben Jolly Mapping beech flowering in New Zealand from Sentinel-2 satellite imagery		David Fryxell Trophic consequences of evolutionary thermal adaptation in a freshwater predator		
2:15 PM	Adrian Monks Individual level mast-seeding strategies vary with access to resources		Thomas Buckley The evolution of thermal performance in New Zealand stick insects		
2:30 PM	Dave Kelly Mast seeding and climate change: are resources the answer?		Stephen Goldson Biocontrol-driven evolution in a New Zealand pasture pest		
2:45pm	James Griffiths A new method for assessing Beech mast in NZ		Kathryn Hodgins Repeated patterns of climate adaptation during range expansion in an invasive plant		
3:00 PM Afternoon tea (Stewart Foyer)					
3:30 PM	Keynote Address: Angela Moles UNSW Sydney (S1) <i>Rapid evolution in introduced species: will introduced plant species eventually be accepted as unique native taxa?</i> With support from Sponsor Bio-Protection Research Centre			Chair: Sarah Wyse	
4:10 - 4:45 PM	Closing with Prize Giving (S1)				
5:30 PM	Pre-dinner drinks and canapes (Mrs O's)				
6:00 - 11:45 PM	Conference Dinner (Dining Hall) With support from Major Sponsor Department of Conservation we will be offering dinner on Lincoln University campus with live entertainment from a local band.				

Field Trip Day*

Four options will run simultaneously with all departure/return to Lincoln University (Orchard Car Park).
Please bring water bottles and appropriate clothing.

8:30AM - 4:30PM	Hinewai Nature Reserve (packed lunch provided)
9:00AM - 2:30PM	Port Hills Fire (lunch stop or BYO)
9:00AM - 3:30PM	Red Zone & Riccarton Bush (lunch stop or BYO)
9:00AM - 5:00PM	Quail Island (packed lunch provided)



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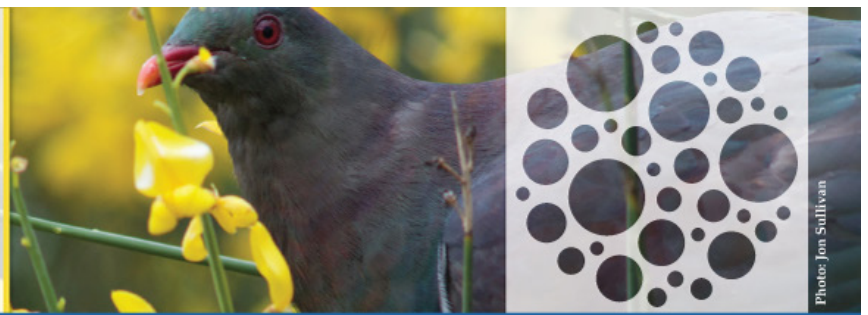


Photo: Jan Sullivan

Poster List

	First Name	Last Name	Organisation	Paper Title
P1	Kara	Allen	Manaaki Whenua-Landcare Research	Impacts of ungulate exclusion on forest C stocks in NZ
P2	Grace	Allison	Lincoln University	Plant functional traits associated with drought tolerance in the Lewis Pass, New Zealand
P3	Olivier	Ball	NorthTec	Congruence of beetle and spider communities across sites and habitats: perspectives from Te Pahi
P4	Isabelle	Barrett	University of Canterbury	Shaped by stress: a trait-based meta-analysis of stream communities across stressor gradients in New Zealand
P5	Hannah	Buckley	Auckland University of Technology	Effects of spatial configuration of non-production vegetation on agroecosystem processes
P6	Briar	Cook	Zero Invasive Predators	The Many Applications of a MotoLure
P7	Lisa	Denmead	Toi Ohomai Institute Of Technology	Do modifications to Goodnature A24 traps that reduce non-target species harm decrease their effectiveness?
P8	Fabian	Doeweler	Auckland University of Technology	New Zealand's treeline: Photoinhibition and spatial patterns of southern beech recruitment in the subalpine belt
P9	Toby	Elliott	The University Of Auckland	Seeking evidence for the existence and underlying mechanisms of the Kauri Line.
P10	Claire	Ellis	Auckland University of Technology	Biotic Resistance Hypothesis supported in Auckland's forests
P11	Richard	Ewans	Dunedin City Council	A Vegetation Map for Dunedin City
P12	Michael	Fake	Lincoln University	Unmanned aerial systems for dune vegetation monitoring and management at Kaitorete Spit
P13	Nicholas	Foster	University of Otago	Distribution and upper altitudinal limits of invasive small mammals in a mountainous drylands tussock environment
P14	Susannah	Graham	Unisa	Effect of Seriphium plumosum densification on grassland biodiversity in the Mpumalanga Province of South Africa
P15	Stephen	Hartley	Victoria University Of Wellington	Tree survival, growth, sequestration and natural regeneration of a Wairarapa swamp forest restoration project.
P16	Andree	Hickey-Elliott	Tonkin & Taylor Ltd	Black mudfish in a novel situation: culverts, construction and management methodology adaptation.
P17	Kathryn	Longstaff	Tonkin & Taylor Ltd	Utilising UAV technology for radio-tracking fauna
P18	Sandy	Huang	University Of Auckland	The Structure, Survivorship, and Growth rate of Auckland Street Trees
P19	Rachel	Hufton	Aspiring Biodiversity Trust	Alpine predator control and rock wren (<i>Xenicus gilviventris</i>) monitoring in the Makarora Catchment
P20	Renee	Johansen	Manaaki Whenua - Landcare Research	Beyond Myrtle Rust: Towards Ecosystem Resilience
P21	George Ledgard & Richard Ewans		Department of Conservation	Can the commercial venison recovery industry protect Fiordland's alpine flora? Drawing a link between ungulate hunting effort and alpine ecosystem health.
P22	Patrick	Lees	Tonkin & Taylor Ltd	New Zealand Fish Passage Advisory Group: an interdisciplinary approach to fish passage management
P23	Jane	Meiforth	Manaaki Whenua - Landcare Research	Kauri detection by remote sensing
P24	Dai	Morgan	Northtec	Does the chew card survey protocol correlate with the tracking tunnel survey protocol for rodents?
P25	Mariona	Roige Valiente	Agresearch	Climate matching for Pest Risk Analysis: a model validation
P26	Hayley	Roos	The University of Auckland	The fate of cutover forest: a case study in the Kauaeranga Valley, Coromandel.
P27	Susan	Schwinning	Texas State University	Ecohydrology of trees in karst: a case study from Central Texas
P28	Paul	Peterson	Manaaki Whenua - Landcare Research	Protecting indigenous biodiversity within plantation forestry landscapes: A case study at Tangimoana Forest.
P29	Robyn Simcock & Paul Peterson		Manaaki Whenua - Landcare Research	How 'wall of wood' 1990s pine plantations could contribute to NZ biodiversity
P30	Amber	Simmonds	Pattle Delamore Partners Ltd	Protecting Urban Biodiversity: Saving Susceptible Saltmarshes
P31	Adrienne	Stanton	Manaaki Whenua - Landcare Research	Finding fungi and fun at the fungarium – documenting and understanding New Zealand fungal biodiversity into the future
P32	Niger	Sultana	Lincoln University	Drought tolerance is not necessarily a good surrogate for low plant flammability
P33	Akika	Takada	Lincoln University	Tree factors and Competition Primarily Affect Lichen Communities at Tree-level in Beech Forest, New Zealand
P34	Megan	Tan	University of Auckland	Mycorrhizal Fungi: providing kauri mushroom to grow
P35	Ana M.C.	Teixeira	University of Canterbury	Port Hills vegetation changes: from the 1970s to the 2017 fire
P36	Jacqui	Vanderhoorn	University Of Auckland	A sighting of a ghost taxon; modelling the distribution of <i>Beilschmiedia tawa</i> in indigenous forests through co-occurring species and pollen signals, New Zealand.
P37	Flora	Wang	Lincoln University	Major leaf vein density and its relationship with functional traits of New Zealand native angiosperms
P38	Emma	Willmore	Pattle Delamore Partners Ltd	Urban Streams: Dead or Alive? An investigation into the current and potential ecological values of urban streams in Auckland