## ANET 2023

# RESILIENCE, RECOVERY AND RESTORATION: TRANSPORT ECOLOGY IN A CHANGING WORLD

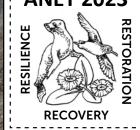
INTERNATIONAL CONFERENCE OF THE AUSTRALASIAN NETWORK FOR ECOLOGY AND TRANSPORTATION (ANET) 27 - 29 NOVEMBER 2023 | TE PAE, CHRISTCHURCH, NZ

### WELCOME FUNCTION | Sunday 26 November 2023

5:30pm - 7:30pm	THE CRAFT EMBASSY   Level One, The Terrace, 126 Oxford Tce, Christchurch		
DAY ONE   Mo	onday 27 November 2023		
8:30am - 9:00am	WELCOME   INTRODUCTION AND TRADITIONAL WELCOME		
9:00am - 10:00am	Keynote Speaker   Professor Theresa Jones, University of Melbourne   Exploring the impacts of ecological light pollution to more effectively avoid, minimise and mitigate the impacts of transport infrastructure.		
10:00am - 10:30am	Morning Tea		
10:30am- 11:00am	Vanessa Browne   New Zealand Transport Agency   The challenges and opportunities to enhance ecosystem resilience on New Zealand's transport network		
11:00am- 11:30am	Plenary Speaker   Professor Sharyn Rundle-Thiele, Griffith University   If we don't act now, we are toast!		
11:30am- 12:00pm	Plenary Speaker   Robyn Simcock, Landcare Research   How can the existing and future transport infrastructure support and enhance ecosystem health and biodiversity conservation?		
12:00pm- 1:00pm	Lunch		
	CONCURRENT SESSIONS		
1:00pm - 2:30pm	Room 1   Wildlife and wildlife impacts	Room 2   Guidelines, best practice and knowledge base	
	Cathryn Dexter   Saving an Icon: How local government can be the difference in threatened species conservation	Kelly Dalton   Practicality of survey guidelines for the Vulnerable Striped Legless Lizard on linear infrastructure projects	
	Jon Sullivan   A simple method for monitoring roadkill that's been applied around Ōtautahi-Christchurch, New Zealand, over the past 20 years	Carol Bannock   Driving towards more balanced biodiversity outcomes: introducing the new Waka Kotahi Ecological Impact Assessment Guidelines	
	<b>Rieke Behrens  </b> Lessons learnt from salvaging threatened lizards on the O Mahurangi – Penlink highway project in North Auckland.	<b>Nic McCaffrey  </b> Atlas of wildlife crossings and mitigation structures across Victoria – a new platform for discovering fauna sensitive infrastructure design	
	Vanessa Gorecki   Culverts and a trawling bat: Opportunities for nature-based solutions on trans- port infrastructure networks	Duncan Law   Integrating ecological design in infrastructure for positive biodiversity co-benefits: Te Ahu a Turanga - Manawatū Tararua Highway	
	<b>David Pickett  </b> A innovative approach to 'At-Risk' species management for Te Ahu a Turanga – Manawatū Tararua Highway	Elvira Lanham   Hiding in plain sight: Serpentinite flora of the Marlborough area of central QLD	
	Alasdair Hall   Post-earthquake highway reconstruction: impacts and mitigation opportunities for a New Zealand pinniped population	<b>David Francis  </b> Dealing with the fiddley bits - The City of Moreton Bay's Green Infrastructure Guidelines	
2:30pm - 3:00pm	Afternoon Tea		
	WORKSHOP SESSIONS		
3:00pm - 4:10pm	Room 1   Workshop	Room 2   Workshop	
	<b>Rodney van der Ree</b> Communicating your transport ecology story to the community, engineers and your mum	<b>Elvira Lanham  </b> Finding out the hard way: What are the consequences of unexpected ecological and cultural finds on biodiversity, science, projects and communities?	
4:15pm - 6:00pm	POSTER PRESENTATIONS WITH DRINKS AND NIBBLES		
7:00pm - 10:30pm	COCKTAIL FUNCTION   Mr Brightside Cocktail Bar, 152 Oxford Terrace, Christchurch Central City, Christchurch		
DAY TWO   Tu	esday 28 November 2023		

8:20am - 8:30am	WELCOME TO DAY TWO AND RECAP OF DAY ONE				
8:30am - 9:30am	Keynote Speaker   Colleen Cassdy St Clair, Professor Biological Sciences, University of Alberta   Animal learning contributes to both problems and solutions for wildlife-train collisions				
	WORKSHOP SESSIONS				
9:30am - 10:30am	Room 1   Workshop	Room 2   Workshop			
	Vanessa Gorecki   The sustainability agenda and opportunities for improved ecological outcomes	Lorenzo Franzori and Carla Bates   Railways and ecosystem services: challenges for infrastructure			





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	on infrastructure projects	development	
10:30am - 11:00am	Morning Tea		
	CONCURRENT SESSIONS		
11:00am - 12:15pm	Room 1   Wildlife and wildlife impacts	Room 2   Community engagement	
	Michelle Greenwood   Understanding the impact of LED streetlight conversions on flying freshwater insects	<b>Elke Hahn  </b> The infrastructure ecology network Europe (IENE) - A European initiative for harmonising transportation and nature. The link to her abstract is below	
	Michiel Jonker   Assessing the impact of artificial light at night on bat activity to better manage potential effects on bat populations	Kevin Roberts   How do we ensure there are advocates for ecologically sensitive infrastructure who are not ecologists?	
	<b>Douglas Kerlin  </b> Al powered observation networks pose new questions for koala-friendly fauna infrastructure	Caitlin Lavery   Kaitiakitanga on Te Ahu a Turanga Highway project – True partnership and embracing indigenous knowledge	
	Steven Ward   Road monitoring provides insights into three species		
	<b>Rodney van der Ree  </b> Improving best-practice mitigation on transport projects while meeting conditions of approval – a scientifically robust experiment to test the effectiveness of hollow-replacement strategies		
12:15pm - 1:15pm	Lunch		
1:15pm - 2:45pm	Room 1   Guidelines, best practice and knowledge base	Room 2   Integrated landscapes and landscape management	
	Cathy Bebelman   Biodiversity in the Road Corridor	<b>Nick Goldwater  </b> Creating an enduring ecological legacy: the Ōtaki to north of Levin Highway Project	
	<b>Benjamin Allen  </b> Top-shelf evidence of environmental impacts and benefits of transport corri- dors is seldom obtained, but is possible: examples from road and rail construction in southeast Queensland	Neil Dufty   The role of linear reserves in NSW biodiversity conservation	
	Josie Stokes   The History of Restoring Wildlife Habitat Connectivity on linear networks in NSW Australia	Parampara Koirala   Moncks Bay: Nurturing Ecosystems via Coastal Pathway Connectivity	
	Cassie Thompson   What do we know from 25 years of installing wildlife crossings?	Lisa Rimmer   RiverLink-project ecosystems needed to support indigenous bioengineering, habitat and biodiversity outcomes	
	<b>Dan Lim  </b> The road less graveled: An international perspective on how linear infrastructure can benefit nature and community, lessons from the UK for Au and NZ	Mark Hansen   Reducing risk to future infrastructure and transport projects while protecting and enhancing biodiversity through engagement and design	
2:45pm - 3:15pm	Afternoon Tea		
	CONCURRENT SESSIONS		
3:15pm - 4:45pm	Room 1   Recovery and restoration	Room 2   Railways and powerlines	
	Fiona Davies   How Large-Scale Infrastructure Projects Can Further Enhance Biodiversity Knowledge: Insights from the Te Tupu Ngātahi Supporting Growth Alliance	Pinar Yilmazer   Global Strategies for Railways' habitat management	
	<b>Josh Markham  </b> An alternative to the standard NZ Highways topsoil approach using a nature-based solution with positive biodiversity co-benefits.	Sarah McLean   Boosting biodiversity through electricity transmission infrastructure projects	
	Gareth Taylor   Earthquake ecosystem (and infrastructure) recovery: Protecting ecosystems whilst restoring connections.	Daya Thomson   Biodiversity and KiwiRail: the journey, the challenges, the opportunities	
	<b>Duncan Law  </b> Offsetting for the loss of stream values and extent, Te Ahu a Turanga – Manawatū Tararua Highway approach	<b>Ben Roberts  </b> Restoring and protecting nationally threatened biodiversity values within an urban rail environment: an operators perspective	
	Briony Mitchell   Rope-ladder canopy bridges restore connectivity for the critically endangered Leadbeater's Possum in the Central Highlands of Victoria, Australia	<b>Georgia O'Connor  </b> Critical review of current practice in Wayside Vegetation Management: strategies to realise the potential of under-appreciated transport corridors	
	Chris Fern   Re-establishing ecological connection between Aputerewa Creek and Mangonui	Casey Visintin and Rodney van der Ree   Quantifying wildlife-train collisions and assessing the	
	Estuary by upgrading the Tokatoka Culvert on State Highway 10, Northland	relative effectiveness of different mitigation strategies	
	Tararua Highway approach Briony Mitchell   Rope-ladder canopy bridges restore connectivity for the critically endangered Leadbeater's Possum in the Central Highlands of Victoria, Australia	rail environment: an operators perspective Georgia O'Connor   Critical review of current practice in Wayside Vegetation Managements strategies to realise the potential of under-appreciated transport corridors	

#### DAY THREE | Wednesday 29 November 2023

 KAIKOURA FIELD TRIP

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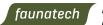
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