

Conference Program AWMS2022

(Please note, this schedule may be subject to change)

Time	Tue 06 Dec	Wed 07 Dec	Thu 8 Dec
8:30	Welcome and Housekeeping	Sean FitzGibbon New approaches to conserving dwindling koala populations	Carolyn King Caughley Medal Speaker Caughley and Me
8:45	Mihi Whakatau	Peter Caley Identifying hypotheses of drivers of decline of the bogong moth (<i>Agrotis infusa</i>)	
9:00	Opening Speech Stephanie Rowe (Deputy Director General Biodiversity Visitor and Heritage DOC)	Victoria Sperring Better home-ranges and gardens; how habitat restoration can improve territory quality for a critically endangered island owl	Andrea Byrom Caughley Medal Speaker How can we ensure wildlife management research has impact in the real world?
9:15	Mike Perry Implementing Te Ara ki Mua, an adaptive framework to manage wild animals	Holly Bradley Improving the translocation management of the culturally significant, endangered Western Spiny-tailed Skink (<i>Egernia stokesii badia</i>)	
9:30	Paul Jennings A case study: Improving the efficiency of feral cat control in one of Australia's Special Places	Faith Chen Bilbies alter their burrowing activity in the presence of feral cats	
9:45	David Worsley The impact of community and personal engagement to increase participation in wild dog and fox control through independent facilitation	Tim Henderson Using camera traps to estimate spotted-tailed quoll densities	DW Cooper Award talk
10:00	Morning tea	Morning tea	Kellie Leigh Managing fire refugia for different species under climate change.
			Morning tea

 Land Manager and Practitioner Symposium
 Open Symposium

 Taonga species symposium
 Predator Free 2050

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10:30	Steve Henry House mouse management in grain growing areas of Australia: improving the efficacy of zinc phosphide	Olivia Rothwell Tooling up for Predator Eradication	Brian Reilly (SAWMA) Mining and biodiversity conservation: Northam Platinum, the Booyendal case study and a South African success story
10:45	Stuart Dawson Automated analysis of thermal imagery of vertebrate pests: Introducing ThermEYE	Melissa Brignall-Theyer Predator Free from Mountains to Sea	Kelly Marnewick (SAWMA) No more cheating with cheetahs: How effective regulation stopped illicit international trade in cheetahs from South Africa.
11:00	George Ledgard The Secretary Island Deer Eradication: Pioneering, complex and adaptive - Aotearoa/New Zealand's largest deer eradication.	Patrick Garvey Why do some possums survive toxic bait control? A case study of a standard DOC operation.	Patrick Finnerty Neighbourhood watch – using 'virtual' neighbours to manage problematic herbivores during habitat restoration and post-fire recovery
11:15	Eliane McCarthy Aerial capture and collaring of invasive sambar (<i>Rusa unicolor</i>) and red deer (<i>Cervus elaphus</i>) in alpine Australia	Kyla Johnstone Invasive species control selects for shy survivors	Clare McArthur Can we use phantom decoys to deflect problem animals from things we value?
11:30	Lisette Mil Bandicoot Motels: Artificial refuges solving a localised extinction and youth engagement crisis.	Tess O'Malley Reviewing two years of research in a possum elimination zone: novel tools, movement behaviours, and the importance of individual variation	Jim Hone Validating predictions and risk profiles in wildlife management
	Trade talks		
11:45	Poster talks	Natalie de Burgh Proof of absence - the practical application of a spatial model to a landscape eradication project	Courtenay Dawson What you know and think matters; Knowledge and values drive Australians' acceptability of lethal kangaroo control
12:00	Lunch	Linton Staples Use of HOGGONE meSN feral pig bait to control feral pigs and for emergency depopulation	Chantelle Derez The Australian reptile relocation industry: Operator concerns and the dynamics of decision-making
12:15		Lunch	Lunch

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	Tue 06 Dec	Wed 07 Dec	Thu 08 Dec
13:00	Keynote Prof. James Russell (University of Auckland)	Al Glen Feral cats on Auckland Island: preparing for eradication	Samantha Wallace A spotlight on heath frogs: untangling habitat selection in a fire-prone landscape?
13:15		Sze Wing Yiu Exploiting fear for non-lethal cat management	Jeroen Jansen High resolution mapping of invasive alien species abundances for targeted conservation management
13:30		Andrew Gormley Tools for developing cost-effective decisions for managing invasive pest eradications	Stefanie Bonat Animal mass mortality events and their effects on Australian scavenging food webs
13:45	Matthew Ress The winners and losers of fox control in south-eastern Australia	Debbie Saunders Innovative drone survey techniques for tracking invasive species from the mountains to the sea – from individual animal movements to eDNA	Jordan Hampton Understanding the human health risks of harmful lead (Pb) exposure from consuming Australian wildlife.
14:00	Finn Parker Weaponising wildlife: training free-living native predators towards more effective predation of novel alien prey	Andrew Veale Landscape genomics aiding Predator Free 2050	Peter Banks Olfactory misinformation reduces pre-germination seed loss to sown wheat crops caused by wild house mice
14:15	Stuart Dawson How much pig control effort is enough	Courtney Hamblin Working out how to do it while doing it: the importance of measuring	Kara Macdermid Combining prior predictions with post-release data to guide ongoing management of a reintroduced population Aaron Wirsing Cougars (<i>Puma concolor</i>) prioritize temporal avoidance of wolves (<i>Canis lupus</i>) over humans
14:30	Afternoon tea	Afternoon tea	Afternoon tea

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15:00	Chris Muller Wildlife Management in the 21st Century – Getting the Most Out of Drone and Aerial Wildlife Tracking	Helen Blackie How and why we're using AI for pest control and surveillance	Shannon Dundas Impacts of drought-induced tree decline on reptiles and birds in a temperate forest habitat
15:15	Tarnya Cox The effective use of thermal imaging equipment in aerial shooting programs	Jan le Roux Using AI technology to win the battle against invasive predators	Jeffrey Hanson Optimizing ecological surveys for conservation
15:30	Susan Campbell Application of remote acoustic detection technology enhances wildlife management.	Kirtana Kumar Using long-life lures to improve efficiencies in wildlife monitoring, predator control and eradication	Thomas Newsome Insects (not vertebrates) are the dominant scavengers in Australia
15:45	Grant Morriss Caught on camera: using camera traps to assess red deer by-kill following broadscale baiting for possum control	Laura Grant Catching the uncatchable: testing behavioural responses to traps in recalcitrant rodent populations following experimental removal	Zoe Stone Not all monitoring is equal – comparing post-release monitoring methods
16:00	Moses Omogbeme Effect of exclusion fences on wild dogs and sympatric mesopredator in arid/semi-arid environment of Australia	Sara Belcher Te Ao Māori approaches to novel rat suppression techniques Vishnu Ramachandran Menon Feral cat survivorship and dispersal movements in Australia	Sebastien Comte Experimental evidence that culling mitigates the impacts of invasive deer on endangered peatlands
16:15	Jackie O'Sullivan Colonisation dynamics of restored bushrock by herpetofauna in an agricultural landscape		Catherine Price Olfactory misinformation: creating 'fake news' to reduce problem foraging by wildlife Trish Fleming To catch a cat — field trials to increase detection of feral cats
16:30	Happy Hour in the Trade Exhibition and Poster area	AWMS AGM	Closing ceremony and prize giving
19:00		Conference Dinner Theme: 70s Disco	

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