

3rd International Wildlife Management Congress – Programme

Friday 28 – Saturday 29 November

Pre-Congress hui for indigenous wildlife managers, Takahanga Marae, Kaikoura.

Sunday 30 November

Multi-model inference workshop (Workshop 1); C101 Commerce (08:30 – 17:30)

Evening: Registration function (Marquee) sponsored by Target Pest Enterprises, New Zealand (17:00 – 20:00)

Monday 1 December – Plenary session

James Hay Theatre, Christchurch Convention Centre, Kilmore Street, downtown Christchurch. Chair: Dr Andy Pearce, CEO of Manaaki Whenua/Landcare Research		
08:15	Pōwhiri (traditional welcome)	Ngāi Tuahuriri
08:45	Welcome and greetings	Oliver Sutherland (Manaaki Whenua/Landcare Research); George Carlson (TWS and Congress Steering Committee); Elaine Murphy (AWMS and Congress Steering Committee)
09:00	Welcome and greetings	Hon. Chris Carter (New Zealand Minister of Conservation)
09:15	Sustainable exploitation of traditional mahika kai within the Ngāi Tahu takiwa: the evolution of custom and ideological conflict in the new century	Sir Tipene O'Regan (Ngāi Tahu, Aoteroa/New Zealand)
10:00	Morning tea	
10:30	Observations on trends and issues in conservation of the natural world	Emeritus Professor James G. Teer (Texas A&M University, USA)
11:15	Understanding ecosystem processes for conservation and management	Professor Anthony Sinclair (University of British Columbia, Canada)
12:00	Wrap-up and housekeeping	Dr Andy Pearce
12:05	Out to buses and back to Canterbury University	
12:20	Lunch and poster session 1	

Monday 1 December – afternoon session

Lecture room						
	C1	C2	C3	A1	A2	A3
	Symposium: Experimental design in wildlife ecology and management Chair: Charles Krebs, Roger Pech	Symposium: Use of pesticides for wildlife management Chair: Max Suckling, Lynn Roberts	Open session: Wildlife conservation (birds) Chair: Catherine McInnes, James Cain	Open session: Managing wildlife and ecosystems Chair: Jerry Laker, Michelle Kissling	Open session: New technologies in wildlife management Chair: George McKay, Phil Cowan	Symposium: Wildlife management in urban areas Chair: Darryl Jones, Bill Shaw
13:20 – 13:40	Gary C White: Favorite whines about experimental design	Charlie Eason: Risk versus benefit and reactive versus proactive drivers for change in the use of vertebrate pesticides	C John Ralph: A New Zealand island in change: 22 years of landbird populations affected by succession, predator control, and weather	Simon Nicol: Linking biodiversity, ecosystem resilience and conservation management: implications for investment in conservation management	Igor Khorozyan: People, habitats and GIS-based development of megafauna conservation in Armenia	Kirsten Parris: Contemporary issues in international urban wildlife management
13:40 – 14:00	James D Nichols: Ecological study design for multiple hypotheses: conceptual framework	Eric Spurr: Roles, risks and benefits of poisons for control of brushtail possums in New Zealand	Deborah Finch: Predicting avian population responses to fuel removal in river woodlands of the southwestern United States	Peter R Mawson: The Western Shield fauna recovery program in Western Australia: an external review process to provide focus and direction for the future	J Guy Castley: Long-term aerial survey data and GIS tools: a key to refining large mammal stocking rates for the Vaalbos National Park, South Africa?	Michael McCarthy (for Rodney van der Ree): The future of biodiversity in urban areas: what can we learn from the past?
14:00 – 14:20	William L Kendall: Ecological study design for multiple hypotheses: maximising model discrimination	Laurie E Twigg: The role and importance of vertebrate pesticides in wildlife management in Australia: associated benefits and potential risks	John White: Habitat preferences of native and exotic birds in a large urban city: Melbourne, Australia	Michaela Birrell: Active management of waterfowl habitat in restored wetlands in the upper southeast of South Australia	George McKay: Evaluation of photographic techniques for monitoring populations of migratory shorebirds	John Hadidian: Urban wildlife in the United States: status, trends and projections
14:20 – 14:40	Jim Hone: Wildlife management and strength of inference	Kathleen Fagerstone: Role, risks and benefits of toxicants for wildlife management in the USA	Raylene Cooke: The powerful owl: an urban survivor	Peter Sweetapple: Protecting forest canopies in New Zealand from introduced possums: How much control is needed	Jens Laass: The use of camera-traps in a sight-resight approach for a quantitative monitoring of lynx	William Shaw: Regional planning for biodiversity: integrating conservation into comprehensive land use planning
14:40 – 15:00	Jennifer Brown: Surveying populations when there are too few animals to count	Rabinder Singh Aulakh: Pesticide associated mortality in Indian peacocks	Nic Peet: Translocating a whitewater specialist - lessons learned from attempts to re-establish a blue duck population in Egmont National Park	Simon Mduma: Managing for long-term change in ecosystems	Markus Peterson: Improving wildlife conservation policy by exploiting its scientific, ethical and political paradoxes	Reed Bowman: Human-provided foods in urban habitats: ecological advantage or evolutionary trap for native birds?
15:00 – 15:20	Bryan F J Manly: Sample sizes and sampling strategies for the estimation of resource selection functions	Discussion and summary of section	Cristian F Estades: Exotic pine plantations and the management of cavity-nesting birds: the case of the thorn-tailed rayadito in Central Chile	Shadrack Ngene: An Assessment of Grassland Conditions Prior to a Controlled Burn in the Athi-basin Grasslands of Nairobi NP, Kenya	Daniel Ramp: Developing new technologies for reducing wildlife mortality on Australian roads	Darryl N Jones: Does supplementary bird feeding in suburban areas lead to dependence? The case of the Australian magpie
15:20 – 15:50	Afternoon tea					
15:50 – 16:10	Paul Mahon: Strategic control of an exotic predator for the conservation of native fauna: the New South Wales threat abatement plan for predation by the red fox	David Towns: Roles, risks and benefits of toxins in rodent eradications on New Zealand islands	Mari Pohja: The effect of hunting bounties on population declines of birds of prey in Finland	J Guy Castley: Management of mega-herbivores in confined reserves, examples from the Addo Elephant National Park, South Africa	Brian Mitchell: Predator calling as a tool for the selective control of problem coyotes	Laura Simon: Resolving human/wildlife conflicts through a public assistance hotline: the Connecticut experience
16:10 – 16:30	Sam Cushman (for Leonard F Ruggiero): Wolverine ecology in the western US: Studies we can do vs. studies we must do	Gary W Witmer: The role of rodenticides in rodent integrated pest management in the United States	Tej Kumar Shrestha: Anthropogenic impact on the habitat and distribution of swamp partridge <i>Francolinus gularis</i> in Nepal	Anak Pattanavibool: Mapping distributions of large mammals and birds for Thailand western forest ecosystem management	Ruby Seitz: Four-dimensional snag habitat creation and effectiveness monitoring on the McKenzie River ranger district, Willamette National Forest, Oregon, USA	Piran White: Control of foxes in urban areas: modelling the benefits and costs
16:30 – 16:50	Charles Krebs: Statistical populations, replication and pseudoreplication: why should ecologists worry?	Alan Shlosberg: Monitoring for exposure to toxicants and infective agents in migrating raptors	Lia Court: The effect of land use and environmental factors on foraging and feeding patterns of the Griffon Vulture in northern Israel	Jerry Laker: Involving communities in wildlife management in the Andean altiplano through sustainable use of vicuna	Marina A Alais: Conservation Genetic Management of Elephant populations in South Africa	Peter Jarman: When suburban herbivores attack: context and attitudes in human-kangaroo conflicts
16:50 – 17:10	General discussion: Experimental design symposium (40 mins)	Pierre Mineau: Calculating the aggregated risk of lethality from toxic insecticides to birds - A North American perspective	Dean Stauffer: Lessons learned in cooperative research - 3000 grouse confess	Bruce Baker: Interaction of beaver and elk herbivory suppresses compensatory growth in willow	Lesley Gibson: Predictive distribution models and their application in wildlife conservation	James Parker: Raptor attacks in urban areas: a universal management model based on the Mississippi kite conflict
17:10 – 17:30	General discussion: Experimental design symposium contd.	Keith Broome: Risk assessment system for pesticides used by the Department of Conservation, NZ			Adrian Monks: The use of faecal alkanes for determining diet composition and intake in the brushtail possum - a calibration/validation study	David Dique: The effect of urbanisation on wildlife populations: can humans and koalas coexist?
18:00 –	Icebreaker BBQ (Marquee) sponsored by the Arthur Rylah Institute, Melbourne, Australia					

Tuesday 2 December – morning session

	Lecture room					
	C1	C2	C3	A1	A2	A3
	Symposium: Diseases at the wildlife-human interface Chair: Kathleen Fagerstone, Tom DeLiberto, Frank Griffin	Ngā kaitiaki o te ao – guardians from around the world – indigenous perspectives on wildlife management Chair: Rauru Kirikiri, Charlie Crofts	Open session: Landscape issues and wildlife management Chair: John Bissonette, Richard Schmitz	Symposium: Developing the science of reintroduction biology Chair: Doug Armstrong, Philip Seddon	Symposium: Application of genetic techniques in wildlife management Chair: Ken Burnham, Gernot Segelbacher	Contrasting wildlife management systems Chair: Emma Moran, Harald Steen
08:00 – 08:20	Introduction: Diseases at the human wildlife interface	Edward Ellison: Kaitiakitanga	John Bissonette: Fragmentation: deciphering effects of spatial arrangement and habitat amount	Philip Seddon: Wildlife re-introductions as a conservation tool: a review of the taxonomic and geographic scope	Gernot Segelbacher: Noninvasive sampling in wildlife management - chance or pitfall?	Peretz Gilady: Multiple systems approach to resolving conflicts between farmers and wildlife in northern Israel
08:20 – 08:40	John Fischer: Disease interactions between wildlife and livestock (40 mins)	Nanikiya Munungurritj: Yolngu community driven wildlife management on the Gove peninsula in northern Australia	Sam Banks: The effects of habitat fragmentation on the distribution, dispersal and breeding in a marsupial carnivore, the agile <i>Antechinus</i>	Richard Maloney: Overview of research results in reintroduction biology: comparative studies, experiments, modelling	Christen Williams: Applications of wildlife genetics in wildlife damage management	Philippe Clergeau: Integrated geographical, biological and sociological assessments in urban wildlife management decision
08:40 – 09:00	Disease interactions between wildlife and livestock (continued)	John Sunchild: When the Earth was pure	Gail Olson: Demographic performance of northern spotted owls relative to forest cover types in the northwestern United States	Doug Armstrong: Directions in reintroduction research: what are the key questions?	Andrea Byrom: Non-invasive genetic tagging for improved detection and estimation of mammalian pest populations in New Zealand	Friedrich Reimoser: Management of game ungulates in central Europe - aims, problems, solutions
09:00 – 09:20	Roy G. Bengis: South African ungulate diseases and their economic importance (40 mins)	Hector Magome: Indigenous people and biodiversity resources: adapting to the challenges and opportunities of a globalized world	Brett Dickson: Towards an empirical model of cougar movement in human-altered landscapes	Doug Armstrong (for Francois Sarrazin): Strong inference in reintroduction biology	Paul Lukacs: Statistical aspects of using genetic markers for individual identification in capture-recapture studies	Melissa Anne Robinson: Linking western and traditional ways of knowing as a basis for management of humpback whitefish in Interior Alaska
09:20 – 09:40	South African ungulate diseases and their economic importance (continued)	Frank Pokiak: Stewardship of Arctic Wildlife under an Aboriginal land claim	Frederick G Lindzey: Use by elk of winter ranges with and without oil and gas development	Mick Clout: Biological invasions as models for reintroductions?	Maxine Piggott: Monitoring populations of the brush-tailed rock wallaby using individual identification from faecal DNA	Ian Jamieson: Effects of inbreeding in wild populations: is New Zealand out of step with the rest of the world?
09:40 – 10:00	Jack C Rhyan: Brucellosis in wildlife	Hector Perales: Challenges for sustainable fisheries management in the Seri Indian Territory, Gulf of California, Mexico	Marcelo H. Cassini: Spatial and diet interactions between vicuñas and domestic ungulates	Colin Miskelly: Integrating reintroduction research with ecosystem restoration: beyond single species	Paul O'Donoghue: Calculating a genetic estimate of effective population size in a free living population of Namibian black rhinos (<i>diceros bicornis bicornis</i>)	Christopher Jones: Foraging behaviour and habitat use of introduced European hedgehogs in New Zealand braided river habitat
10:00 – 10:30	Morning tea					
10:30 – 10:50	Lynn Creekmore: Chronic wasting disease of deer and elk	Melissa Nursey-Bray (Robbie Deemal): Native title, wildlife utilisation and management planning: along the Great Barrier Reef, Australia	Milton Lewis: Saving the endangered Gouldian finch: landscape fire management for healthier savanna grasslands	Nicholas Carlile: Translocating burrow-nesting seabirds: a scientific basis for reintroductions	Stephen Sarre: What can genetic analysis tell us about the management of super-abundant pest? The case of the brushtail possum in New Zealand	Chris Jacobson: Towards an adaptive management that recognises science and people
10:50 – 11:10	Frank Griffin: Johne's disease: an increasingly widespread phenomenon in wildlife, with origins in domestic livestock	Richard Binder: The role of the Inuvialuit environment impact process in maintaining healthy wildlife populations in Canada's Western Arctic	Lowell Suring: Assessment of threats to habitats for species for conservation concern in arid shrublands in Great Basin, USA	David Saltz (for Shirli Bar-David): Radiation pattern of Persian fallow deer following reintroduction	Kiki Dethmers: Using genetics to direct management of an endangered species: green turtles in Australasia	David Berman: Adaptive science for adaptive management of vertebrate pests
11:10 – 11:30	Robert McLean: West Nile virus North America: emergence of mosquito-borne disease of major importance	Rachel Puentener: Customary use of native bird species - a way forward?	Kimberly Babbitt: Factors influencing the conservation value of mesic ranch lands for amphibians	Malcolm Nicoll: Re-introduction of the Mauritius kestrel into the Bambous Mountains, Mauritius	Sara Oyler-McCance: Applying genetic data to Sage-Grouse management	Eija Hurme: Using ecological information in modelling the occurrence of the Siberian flying squirrel in managed forests, northern Finland
11:30 – 11:50	John Fischer: Hemorrhagic disease of wild ruminants	Philip O Wandera: Game cropping as a strategy for community wildlife conservation: the experience of Kenya	Kerry Beggs: Balancing wildlife conservation and pastoralism: an adaptive management case study on multiple land use, from northern Australia's Mary River region	Steve Lapidge: Can re-introducing a captive-bred mammal be beneficial for the individual as well as the species?	Ilse Storch: Threatened species in fragmented habitats: combining landscape ecological, demographic, and genetic approaches to assist conservation planning	Ross Cullen: A four country study of cost effectiveness of threatened species projects
11:50 – 12:10	Larry Clark: Avian diseases of agricultural and human health concern	Ross Racine: Traditional hunting and fishing on American Indian reservations	Helen Blackie: Integrating GPS devices with GIS: a revolutionary approach to the study of wildlife management	James Reardon: Diagnosis of decline: tactical research into population declines and range restrictions of New Zealand South Island grand and Otago skinks	Tuija Liukkonen-Anttila: Conservation genetics of the Capercaillie populations in Finland	Wollscheid Kai-Uwe: Wildlife knows no borders: Models of multilateral cooperation from the Balkan and Central Asian Region
12:10 – 13:20	Lunch and poster session 2					

Tuesday 2 December – afternoon session

Lecture room						
	C1	C2	C3	A1	A2	A3
	Symposium: Diseases at the wildlife-human interface. contd. Chair: Kathleen Fagerstone, Tom DeLiberto, Frank Griffin	Ngā kaitiaki o te ao – guardians from around the world – contd. Chair: Rauru Kirikiri, Charlie Crofts	Symposium: Management of wildlife on offshore and mainland islands Chair: Elaine Murphy, Mike Braysher	Open session: Wildlife conservation (mammals) Chair: J. du P. Bothma, S.P. Goyal	Open session: Use of biotechnologies in wildlife management Chair: Dianne Gleeson, Frank Molinia	Habitat use of vertebrate species during the transition from maternal provisioning: implications for mgmt Chair: David King, Keith Nislow
13:20 – 13:40	Jack Cully: The ecology of plague in rodent populations	Katherine Thiesenhausen: (for Larry Carpenter) History and use of a subsistence harvest data collection system as a tool for indigenous wildlife management in Canada's W Arctic	Graeme Elliott: Management of a critically endangered parrot, the kakapo on New Zealand islands	S P Goyal: Food habits and foraging behaviour of Indian Gazelle (<i>Gazella Bennettii</i>) in scrub forest of Rajasthan desert, India	Frank Molinia: Role of assisted reproductive technologies in fertility control for brushtail possum and stoat management in New Zealand	Keith H. Nislow: Habitat requirements during the transition to independent foraging: causes and consequences for management
13:40 – 14:00	Gary Wobeser: Technical approaches to disease management (40 mins)	James Waiwai: Management of kiwi at Lake Waikaremoana, Te Urewera National Park	David Towns: Managing the ecosystem effects of mammals on islands - a case study	Jamal A Khan: Conservation and management of leopard in Gir National Park, India	Desmond Cooper: Biotechnological approaches to wildlife management	John D Armstrong: The transition from maternal provisioning in freshwater fishes: habitat requirements
14:00 – 14:20	Technical approaches to disease management (continued)	Kado Muir: Aboriginal cultural perspectives on the commercial kangaroo industry in South Australia	Roger Trout: Progress on a rabbit and mouse eradication on the island of Selvagem Grande (Madeira) in the eastern Atlantic	Wouter van Hoven: The status of the giant sable antelope in Angola	Steve McLeod: Predicting the efficacy of a disseminating immunocontraceptive for rabbits	Francis Juanes: The transitional phase in marine fishes: settlement, recruitment, habitat use and management
14:20 – 14:40	Bruce Morrison: Coordination and planning for wildlife disease issues in the United States	Ira New Breast: Native American Fish and Wildlife Management	Paul de Tores: Operation foxglove - native fauna response to fox control in a large scale field experiment in south west Western Australia	D V Khati: Corbett tiger reserve - mitigating park people conflict for tiger conservation	Glen Saunders: Immunocontraceptive control of fox populations	Lee Fitzgerald: The interplay between parental investment, ontogenetic niche, and life history in reptiles: implications for conservation
14:40 – 15:00	Dennis Slate: Management intervention for wildlife rabies in the US	Joe Morrison: Trends in Aboriginal land and sea management in northern Australia - implications for wildlife	Rebecca Overeem: Management issues surrounding the Middle Island little penguin colony	Brooke Rankmore: Survival of four small mammal species in a fragmented and fire prone environment	Catherine McInnes: Collection of semen by electro-ejaculation from a critically endangered parrot	Winsor H Lowe: Assessing and exploiting larval habitat specificity for the management of amphibians
15:00 – 15:20	Discussion and summary of section	Erima Henare (K Prime): Responses of kukupua and other birds to mammalian pest control at Motatau Northland	Alan Saunders: The evolution of the mainland island approach in New Zealand	Helen Puckey: Home range, habitat and conservation management of Carpentarian Rock-rats in the NT	Prof. Elizabeth Deane (for Sarah McKenzie): Non-invasive measurement of stress in marsupials	Susan Hannon: Habitat use, survival and movements of juvenile grouse after hatching and prior to recruitment
15:00 – 15:20	Afternoon tea					
15:50 – 16:10	Paul Livingstone: The integral role of wildlife management to the success of New Zealand's TB control programme (40 mins)	Charles Royal: Symbolisms of tree and bird in traditional Maori knowledge	Craig A Gillies: Ecosystem restoration at Trounson Kauri Park mainland island, Northland, New Zealand	Merietjie Landman: Assessing the costs of conservation management on black rhinoceros foraging opportunities: competition for the conservation of megaherbivores?	Solis Norton: Development of self administered tuberculosis vaccines for possums	David King: Habitat use and habitat-specific survival of fledgling ovenbirds
16:10 – 16:30	The integral role of wildlife management to the success of New Zealand's TB control programme (continued)	Anne Kendrick: (for C. Catholique) Using traditional and local knowledge in monitoring and managing barren-ground caribou: a case study from Northern Canada	Matt Maitland: Multi species pest control offers hope for kaka (endemic parrot) in South Island New Zealand	Stanley Gehrt: Coyote movements, spatial organisation, and survival in a metropolitan landscape	Dianne Gleeson: Forensic DNA methods for monitoring wildlife populations; General applicability and technical challenges	John McLennan: Growth, survival and habitat use in kiwi and other New Zealand birds
16:30 – 16:50	Graham Hickling: Spatial and temporal spread of bovine tuberculosis in wild wite tailed deer in Michigan	Banduk Marika: Yolngu system of animal and land management managing resources Yolngu way	John Innes: Dispersal leakage from mainland islands: case studies in New Zealand forest birds	Lowell Suring: Patterns of landscape use by brown bears on the Kenai peninsula, Alaska, USA	Anna MacDonald: A sex-specific microsatellite library for the Australian brushtail possum: its role in wildlife management	Scott Rush: The effects of forest fragmentation on post-fledgling survival and dispersal of forest songbird
16:50 – 17:10	Debby Cousins: Eradication of bovine tuberculosis under Australian conditions: a story of challenge and success	Lucassie Arragutainaq: Inuit and wildlife: a contemporary perspective from Hudson Bay, Eastern Canadian Arctic	Jennifer Christie: Improving stoat trapping efficiency: can we learn more from trapping data?	Tej Kumar Shrestha: Man and endangered gangetic dolphin the the rivers of Nepal: a question of new survival	Jawad Abdelkrim: Genetic studies of invasive Norway rat populations on Brittany islands (France): what can population structure reveal to adapt management actions?	Clare Hawkins: Forestry generates sink habitat for spotted-tailed quolls in NW Tasmania
17:10 – 17:30	Roy G. Bengis: Bovine tuberculosis in free-ranging wildlife in the kruger National Park, South Africa	Max Kotokak: Use of Inuvialuit traditional knowledge in the co-management of fisheries and marine mammal resources – Beaufort Sea	Emma Moran: An analysis of key factors that determine the costs of New Zealand threatened species programmes		Kerrilee Horskins: The application of genetic techniques to the assessment of wildlife corridor effectiveness	Cheryl A Johnson: If I stay there will be trouble, if I go will it be double? Predicting juvenile dispersal in mammals
17:30 – 17:50		Jane Kitson: Looking after your ground: Rakiura Maori titi harvest practices				
17:45 – late	AWMS AGM & Dinner (AGM starts in lecture room A3)					

Wednesday 3 December – morning session and free afternoon

	Lecture room					
	C1	C2	C3	A1	A2	A3
	Symposium: Managing tuberculosis in wildlife Chair: Graham Nugent, Richard Delahay, Frank Griffin	Symposium: Use of indices to monitor wildlife populations Chair: Rick Engeman	Symposium: Private landowners: current and future issues regarding their role in wildlife conservation Chair: James Miller, Neal Wilkins	Open session: Wildlife conservation (mammals) Chair: Mike Vaughan, Philip Whitford	Open session: Wildlife population management and dynamics (birds) Chair: Wendy Ruscoe, Francois Mougeot	Symposium: Ethics and animal welfare in wildlife management Chair: Bruce Warburton, Cheryl O'Connor
08:00 – 08:20	Peter Caley: TB host status in wildlife: theory and practical implications	Richard M Engeman: Indexing Principles, and a widely applicable paradigm for indexing animal populations	Greg Yarrow: Wildlife Management education over satellite: the Master Wildlifer course	Paul de Tores: Translocation as a tool for conservation management of the western ringtail possum from south west Western Australia	Richard Maloney: Intensification of management increases the population of an endangered wading bird	Elizabeth Fenton: Nature vs culture? The social ethic in wildlife management
08:20 – 08:40	Graham Nugent: Comparison of the host status and pathogenesis of bovine tuberculosis in wild and farmed deer	Gary W Witmer: Population monitoring 101: lessons from reality	L Pete Heard: Contributions of USDA/NRCS's wildlife habitat management institute to conserving fish and wildlife on private lands in USA	Mark Garkaklis: Plant pathogens causing vegetation dieback: a serious threat to the conservation of small mammals in Australia	Ronald F Labisky: Modeling avian introductions: is there a case for New Zealandism?	Milton Freeman: Hunting as a moral path: where to draw the line?
08:40 – 09:00	Ursula Hoefle: Bovine TB in the European wild boar: dead-end host or reservoir?	Gary C White: Correcting counts: techniques for de-indexing	Ross (Skip) Shelton: Factors that tend to encourage and discourage wildlife on private lands	Luc De Bruyn: Tree cavities, microclimate and bats: an experimental study	Peter Moore: Chatham Island oystercatcher population responds to conservation management	Kate Littin (for David J. Mellor): Ethical issues relevant to the killing of vertebrate pests
09:00 – 09:20	Gladys Kalema-Zikusoka: Tb survey in buffalo, cattle and humans at in Queen Elizabeth NP, Uganda: implications for public health and conservation	Desley Whisson: Developing relative abundance techniques (RATS) for monitoring rodent populations	Clement Tisdell: Economic incentives to onserve wildlife on private lands: analysis and policy	Jim Knight: Wolf recovery in Yellowstone National Park: a lesson in social wildlife management	Nicolas Sadoul: Is increasing numbers an indication of a healthy population? The case of the slender-billed gull in southern France	John Hadidian: Animal welfare and wildlife damage management: where next?
09:20 – 09:40	John Kean (for Nigel Barlow): Modelling the persistence of wildlife disease: the case of the bovine Tb	Stephen Ball: Estimating wildlife detection probabilities - insights from a field study on the brushtail possum	L Pete Heard (for Mike Anderson): 2002 Farm Bill: wildlife implications. Past successes promise a bright future?	Lana M Ciarniello: Grizzly Bear den site selection along the Parsnip River, British Columbia, Canada	Matt Cameron: Impact of el nino upon the foraging patterns and breeding success of the glossy black-cockatoo	Laurence D. Roy: Use of computer simulation models to evaluate the humaneness of traps
09:40 – 10:00	Richard Delahay: The epidemiological characteristics of <i>Mycobacterium bovis</i> infection in badgers	Dave Ramsey: Evaluating sensitivity of population indices to population density using spatially explicit modelling	Hassan Sachedina: The ecology of conflict: patrol land use impacts on wildlife and livelihoods in Tanzania	Rudi J. van Aarde: Conservation management alternatives for the African elephant	Rachelle Meyer: Optimal captive management for the helmeted honeyeater	Samara Trusso: Development of best management practices (BMP) for regulated trapping programs in USA
10:00 – 10:30	Morning tea					
10:30 – 10:50	Piran White: Bovine tuberculosis in Britain: integrating spatial modelling, GIS and economic approaches in the sustainable management of the disease	Peter Fleming: Counts and indices of feral goats in hilly terrain: a comparison of techniques	Roger Trout: Deer fences and wildlife casualties: efforts to help the endangered capercaillie in Scotland	Petra Kaczensky: Movement pattern of Asiatic wild ass in SW Mongolia	D Stauffer or G Norman (for Patrick Devers): A test of the compensatory response hypothesis: ruffed grouse in the central Appalachian region of the United States	HJ Pelz: Assessing the humaneness of traps in the European Community
10:50 – 11:10	Leigh Corner: Development of a wildlife vaccination strategy for eradication of tuberculosis in cattle in Ireland	Lee Allen: The development, utility and current applications of a passive activity index for monitoring wild dogs and other wildlife in Australia	Julian Gorman: Feasibility of local small scale harvests for indigenous Australian communities	Sophie Rouys: Ecology of invasive alien mammals in New Caledonia - implications for their management	Francois Mougeot: The roles of parasites and territorial behaviour in red grouse population cycles	Bruce Warburton: Kill traps used in New Zealand - is ther a need for improvement
11:10 – 11:30	Thomas DeLiberto: (Justin Stevenson) Evaluation of coyotes as sentinels of bovine tuberculosis in Michigan	Bernice U Constantin: Indexing: another operational tool for protecting sea turtle nests from predators	Neal Wilkins (for Robert D Brown): Efforts to insure the future of hunting in Texas	Philip Stott: Herbivore studies using dung weight methods may be confounded by coprophagy	Jacky Judas: Management of the reintroduction programme of the Asian Houbara Bustard	Cheryl O'Connor: Assessing the relative humaneness of vertebrate poisons
11:30 – 11:50	G W de Lisle: Overview of DNA fingerprinting of <i>Mycobacterium bovis</i> applied to epidemiology of tuberculosis in wildlife in New Zealand	Dale L Nolte: Indices to monitor fossorial non-social rodents	James Miller (for Gilbert Rose): Evaluating client satisfaction of a private natural resource-based enterprise	Julianne O'Reilly-Wapstra: Reducing damage by the common brushtail possum: utilising natural plant resistance		Pete Goddard: Animal welfare assessment in managed wildlife: establishing stress indicators for the Andean vicuna
11:50 – 12:10	Dave Ramsey: Optimising surveillance strategies for detecting Tb in wildlife	Maurice Rodway: Determination of Southland game bird hunting season opening weekend bag from the abundance of class 5-6 duckling broods in the previous spring	Neal Wilkins: Closing comments: Private landowners symposium			M.J. de Wet: Wildlife management in South Africa and its associated animal welfare issues
12:10 – 12:30		Alison Matthews (for Dan Lunney): Use of indices to monitor bat populations				
12:10 – 13:30	Lunch and poster session 3					
13:30 – 18:00	Free afternoon and half-day field trips					
19:00 –	"Tastes of the Pacific" Dinner (Hotel Grand Chancellor, downtown Christchurch)					

Thursday 4 December – morning session

Lecture room						
	C1	C2	C3	A1	A2	A3
	Symposium: Wildlife damage management: international perspectives on overabundant populations Chair: David Choquenot	Open session: Management of wildlife by indigenous people Chair: Shaun Ogilvie, Rauru Kirikiri	Open session: Wildlife population management and dynamics (mammals) Chair: Charles Krebs, Warren Ballard	Open session: Wildlife health and disease Chair: Graham Smith, Michael Samuel	Symposium: Fertility control for wildlife management Chair: Phil Cowan, Lyn Hinds	Symposium: Linking wildlife, local communities and ecosystems through conservation-hunting programs worldwide Chair: Brian Kernohan, Bill Wall
08:00 – 08:20	Jim Hone: Patterns and processes in control of damage by overabundant species	Jocelyn Davies: The social dimensions of commercial kangaroo harvest in south Australia	Helena Bender: Deterring eastern grey kangaroos with recorded foot thumps in south eastern Victoria, Australia	Gary W Witmer: The role of wildlife in bovine tuberculosis outbreaks in the United States	Lyn Hinds: Fertility control for wildlife management - the options	William A Wall: Key Components of Conservation-hunting Programs and their Relationship to Populations, Ecosystems, and People (40 Mins)
08:20 – 08:40	Jean-Francois Giroux: Controlling overabundant bird populations: the case of the greater snow goose	Damein Fordham: Aboriginal harvest of the northern long-necked turtle - modelling population dynamics for a sustainable indigenous industry	Mahmoud Karami: Population viability analysis of Persian gazelles (<i>Gazella subgutturosa</i>), Zanjan, Iran	Tony Arthur: The impact of bovine tuberculosis on a population of brushtail possums in the Orongorongo valley, New Zealand	Janine Duckworth: Zona pellucida fertility control vaccines for brushtail possum management in New Zealand	Key Components of Conservation-hunting Programs (continued)
08:40 – 09:00	Tony Arthur: Towards an interactive model of a New Zealand dryland ecosystem	George Wilson: Kuka Kanyini-looking after wildlife preferred by Anangu of the Pitjantjatjara Lands	Hal Caswell: Stochastic matrix population models for the North Atlantic right whale	J D Coleman: Eradication of bovine tuberculosis from possum populations	Gerhard Herbert: Reubel Fox Fertility Control through vaccination: Challenges and Options	Andrey Subbotin: An ecosystem approach to the development of conservation-hunting programs for Mountain Sheep in Central Asia
09:00 – 09:20	Grant Norbury: A theoretical basis for non-lethal predator control	Heather Zeppel: Indigenous wildlife management in Australia	Eric Gese: Demographic and spatial responses of coyotes to increased food and exploitation in SE Colorado	Ian O'Boyle: Distribution of tuberculous lesions in badgers and their relevance in vaccine strategies	Lowell Miller: The single shot immunocontraceptive vaccine	Garry Ottmann: Himalayan tahr: how to safeguard nature conservation by managing tahr as a valued resource
09:20 – 09:40	Roger Pech: The economic benefits of predicting outbreaks of pest species	Jerome Gaugris: An evaluation of two methods of estimating hardwood resource utilisation for building construction by the indigenous people of Maputaland, northern KwaZulu-Natal	Edward Garton: Estimating effects of intraspecific and interspecific competition between mule deer, white-tailed deer and elk metapopulations in north-central Washington during the past 19 years	B M Arora: Wildlife tuberculosis in India	Kathleen Fagerstone: Current studies with avian contraceptive agents	Joseph McGlinchy: Implementation of Aldo Leopold's partnership strategy for community involvement in conservation-hunting programs: an example from quality deer management programs in the southeast United States
09:40 – 10:00	Kirstin Long: Directing rabbit control programs to maximise biodiversity gains	Jaqueline Garcia-Hernandez: Environmental degradation and habitat loss in Cucapa native territory, Mexico	William F Porter: Localised mgmt of white-tailed deer: eight years after removal of a matrilineal social group	Kurt VerCauteren: Dogs for reducing the transmission of bovine Tb from wildlife to cattle: preliminary results	Grant Singleton: Immunocontraception in mice – a population perspective	Russell Taylor: A review of conservation hunting in CAMPFIRE, Zimbabwe
10:00 – 10:30	Morning tea					
10:30 – 10:50	David Choquenot (for Sally Troy): Overabundance, native mammals and conservation management	Tom Gray: History and management of reindeer in Alaska	Eric M Rominger: Top-down and bottom-up regulation in bighorn sheep populations in New Mexico, USA	Jerry Hill: Wildlife-cattle interactions in Michigan, USA: implications for the transmission of bovine tuberculosis	Graeme Coulson: Managing overabundance through fertility control in kangaroos and koalas: progress and prospects	Amjad T Virk: Integrating wildlife conservation with community-based development in Northern Areas, Pakistan
10:50 – 11:10	Eve McDonald-Madden: Simple rules govern foraging by grey-headed flying-foxes in the Melbourne metropolitan area, Australia	Jamie Newman (for H Moller): Kia Mau Te Titi Mo Ake Tonu Atu: A research partnership to keep the titi forever	Jason Marshal: Distribution of mule deer in relation to forage and water in the Sonoran Desert	Richard J Delahay: Exploitation of farm resources by badgers: opportunities to manage the risks of <i>Mycobacterium bovis</i> transmission to cattle?	Grant Singleton (for Jens Jacob): Ricefield rat population dynamics and behavioural response to female infertility	Milton Freeman: The growth and significance of polar bear trophy hunting: community-based sustainable development in the Canadian Arctic
11:10 – 11:30	Charles Todd: Modelling interaction between overabundant koala populations and their food resources	Caroline Campbell: Te Peka Karara Weka Project	James Cain: Distribution and movement of desert bighorn sheep in relation to forage conditions	Michael D Samuel: CWD in Wisconsin white-tailed deer: Integrating disease management and disease research	John Hadidian (for Jay Kirkpatrick): Management applications of wildlife immunocontraception	Carlos Manterola: Wildlife management in the hands of the landowners: wildlife management and hunting in Mexico
11:30 – 11:50	Natasha McLean: Management of overabundant koalas in Victoria Australia	Shaun Ogilvie: Ecological research for enhancing kereru (New Zealand pigeon, <i>Hemiphaga novaeseelandiae</i>) on Banks Peninsula	Ann Kitchen: Social and spatial ecology of the swift fox (<i>Vulpes velox</i>)	Maurice Alley: The effect of coccidial parasites on juvenile hihi and saddlebacks in captive and small island situations	Glenys Oogjes: Animal ethics and individual animal welfare assessment not yet a reality in population control: a Southern Hemisphere perspective	Discussion (40 Mins)
11:50 – 12:10	Jutta Eymann: Management and conservation of brushtail possums in urban and native environments in Australia		Duncan Sutherland: Regulation of social interactions and spacing in feral house mice	Padraig J Duignan: Decreased pup production and increased pup mortality among New Zealand sea lions on the Auckland Islands in 2002 and 2003	Lowell Miller: Going beyond PZP: thinking out of the box	Discussion (continued)
12:10 – 13:20	Lunch and poster session 4					

Thursday 4 December – afternoon session

	Lecture room					
	C1	C2	C3	A1	A2	A3
	Symposium: Wildlife damage management: international perspectives on overabundant populations. (contd.) Chair: Robert Timm, Kathleen Fagerstone	Open session: community involvement in wildlife management Chair: Oras Ilyas, Graham Nugent	Open session: Wildlife population management and dynamics (mammals) Chair: Tony Sinclair, Ed Garton	Open session: Wildlife conservation (general) Chair: Harriet Allen, Brigitte Paulin	Symposium: Adaptive experimental management of wildlife Chair: John Parkes, Dave Forsyth	Symposium: Fire and wildlife management: compatibility or conflict? Chair: Gordon Friend, Barbara Wilson
13:20 – 13:40	Scott Craven (For J Miller): The evolution of wildlife damage management in the United States	Colleen O'Malley: Facilitating community involvement in threatened species recovery in central Australia	Dave P Cowan: The use of population models in the development of a decision support system for rabbit management	Barry Brook: Minimum sizes and habitat areas for viable wildlife populations	John Parkes: Adaptive management as a way of optimising strategies for vertebrate pest control	Peter Christophersen: Using fire to manage Aboriginal lands in Kakadu National Park for biological and cultural conservation
13:40 – 14:00	William Clay: The expanding role of USDA, APHIS' wildlife services program	Camilla Fox: Coexisting with Coyotes in North America: community based approaches to conflicts	Dale R. McCullough: Climate and extreme population fluctuations in kangaroos, emus, and feral goats in western New South Wales, Australia	David M Bryant: Can daily energy expenditure be used as a measure of habitat quality?	Alan Roble: The management of foxes in conservation reserves in Victoria, Australia: an adaptive experimental management approach	Michelle Watson: Fire regimes and habitat heterogeneity: implications for wildlife in the tropical savannas of the Northern Territory, Australia
14:00 – 14:20	Richard D Cumow: Wildlife damage management research: priorities and progress	Takerei Norton: Community involvement in the Kaupapa Kereru programme for enhancing New Zealand native pigeon on Banks Peninsula	Don Fletcher: High density kangaroo populations - why are they just so high?	Jessica Montag: Compensation programs and public tolerance for predators	David Forsyth: The role of spatial modelling in the adaptive experimental management of vertebrate pests: two case studies	Thalie Partridge: Fire and Fauna in the East Kimberley, Western Australia
14:20 – 14:40	Robert Schmidt: Growth and development of private wildlife control operator enterprises: history and prospects	Oscar Aalangdong: Communal hunting in guinea savanna zone of northern Ghana	Satish Kumar: Wolf-human conflict in Uttar Pradesh, India	Piran White (and Carolyn King): Decline in capture rate of stoats at very high mouse densities in New Zealand <i>Nothofagus</i> forests	Michael C Runge: An adaptive framework for managing warm-water sites for Florida manatees	Greg Baxter: Developing fire management plans for Fraser Island: ecological relationships between fire regime, vegetation and habitat structure
14:40 – 15:00	Kathleen Fagerstone: Current issues with invasive vertebrate species in the United States	Isa Torrealba: Learned lessons in environmental education and Wildlife's investigation with Costa Rica peasants and natives	Dave Kelly: The impact of mammalian pest control on 'common' native forest birds in New Zealand	Titiek Setyawati: A preliminary survey of bearded pig (<i>Sus barbatus</i>) in Malinau river forest, Bulungan, East Kalimantan, Indonesia	Fred Johnson: Adaptive management of mallard harvests in the United States	Gordon Friend: Integrating fire management and wildlife management - new initiatives in Victoria, Australia
15:00 – 15:20	Larry Clark: Advances in repellent research	Tarla Rai Peterson: Ethical implications of integrating individual, population, and community level concerns into decisions about wildlife research and management in urban areas	Pall Hersteinsson: The re-establishment of a native carnivore population reduces bird air strike hazard at Keflavik International Airport	Richard Parrish: Management-related research on New Zealand flax snails	Charles Todd: Applying adaptive management in the Murray-Darling Basin - well planned experiments for learning or an excuse for ad-hoc unplanned changes in monitoring	Barbara Wilson: Ecological fire regimes for the recovery and management of threatened small mammals in southern Australia
15:00 – 15:20	Afternoon tea					
15:50 – 16:10	Robert Warren: Increasing deer numbers and conflicts in the United States	Prabhu Budhathoki: Buffer Zone management initiative of Nepal: an innovative approach to park - people co-existence	Neena Singla: Rodent population management in mungbean crop	Brigitte Poulin: Great bitterns and reedbed management in the Camargue, France	Keith Ferdinands: Using spatial technologies to provide an adaptive management framework for wildlife habitat conservation: a case study from the wet dry tropics of N. Australia	Alison Matthews (for Dan Lunney): Managing fire and koala populations: a conflict of interest?
16:10 – 16:30	Wendy Arjo (for Russ Mason): Predator damage management	Daniel Parker: Giraffe in the Eastern Cape, South Africa: Tourism vs the conservation of biodiversity	James Allen: Evaluation of model-based approaches for estimating ungulate populations from aerial surveys	Harriet Allen: Recovery program for the endangered western pond turtle in Washington 1990-202	Hugh Possingham: Active adaptive monitoring and management: the case of the Swedish lynx	Michelle Walter: The Effect of Fire on the Australian Alps Wild Horse Population
16:30 – 16:50	Richard A Dolbeer: Managing wildlife hazards at North American airports: the challenge posed by large-bird species	Craig Morley: Wildlife concerns in Fiji	Alan B Franklin: A new design to estimate density of trappable organisms: the trapping line transect	Jacqueline Richards: First reintroduction of the endangered western barred bandicoot to mainland Australia	Lotta Jaakkola: Background for the development of an adaptive management strategy in N. Finland	Sarah Converse: Estimating multi-species responses to forest fuel reduction treatments
16:50 – 17:10	Dale L Nolte: Rodent damage management in agriculture, forests, and public lands		Cindy Hauser: Optimal adaptive monitoring frequency for kangaroo populations: a decision theory approach		John Innes: Adaptive management of a New Zealand forest bird: towards recovery of North Island kokako	William Block: Fire effects on ponderosa pine birds in the American southwest: are they going up in smoke?
17:10 – 17:30	Robert Timm: North America's political and regulatory environment for damage management		Deborah Watson: Calibration of mark-recapture and total count data for New Zealand fur seals in the Otago and Southland regions		Chris Jacobson: Adaptive management and the New Zealand mainland island programme: what of conjecture?	Rodney Kavanagh: Effects of logging and repeated fuel reduction burning on birds in dry sclerophyll forest near Eden, New South Wales, Australia
19:30 –	Congress Dinner (Convention Centre, downtown Christchurch) sponsored by Bayer Environmental Science					

Friday 5 December – morning session

Lecture room						
	C1	C2	C3	A1	A2	A3
	Open session: Management of overabundant wildlife Chair: Grant Norbury, Andrea Byrom	Open session: Wildlife-based tourism Chair: Roger Pech, David Croft	Symposium: Wildlife toxicology and persistence of pollutants and contaminants Chair: Eric Spurr, Alan Schlosberg	Symposium: Global challenges in conservation: understanding and integrating wildlife values Chair: Tom Brown, Michael Manfredo	Symposium: Rabbits and RHD: disseminating GMOs and conflicting international objectives Chair: Robert Henzell, Brian Cooke, Elaine Murphy, Tony Peacock	Open session: Wildlife conservation (general) Chair: Igor Khorozyon, Michael Harper
08:00 – 08:20	Elsabe Kloppers: An assessment of aversive conditioning techniques for managing habituated elk in Banff. Canada	Philip J Seddon: Penguin tourism in southern New Zealand: visitor expectations, activities and impacts	Robert G. Anthony: Productivity, diets and environmental contaminants in nesting bald eagles from the Aleutian archipelago, Alaska	Tom Brown: Introduction: Global challenges symposium	Roger Trout: Loved and hated: the differing pressures on managing the rabbit in Europe	Claudia U R Schoene: Conservation and war: has nature got a chance against population pressure and politics? - A case study from Rwanda
08:20 – 08:40	Dave P Cowan: The behavioural ecology of Norway rat populations on farms informs improved management practices	Nick Holmes: The behaviour and heart rate of sub-Antarctic royal penguins during pedestrian visits	Evelyn H Merrill: What's important: direct or indirect effects of mercury contamination on survival of common loon chicks in northern Wisconsin?	Michael Manfredo: Exploring the cultural basis for values toward wildlife	Robert Henzell: Rabbits in Australia: RHD and the need for further biocontrol using disseminating GMOs	Diane Vice: Safe harbour agreement: conservation on an offshore tropical island
08:40 – 09:00	Chris R Dickman: Management of mammalian pests: The problem of indirect interactions and mammalian pests	Sue Muloin: Whale watching: understanding the human dimension in cetacean-based tourism	Frans J Laas: Lead shot ingestion in New Zealand waterfowl: tissue levels and effects on mallard survival	Eric Rominger (for Bruce Thompson): Legal aspects of who 'owns' wildlife globally: implications for stakeholder values and community management	Juan Barcena: Recombinant transmissible vaccine against myxomatosis and rabbit hemorrhagic disease for wild rabbit populations	Pia Bustos: The Huemul project in Chile: Saving an endangered national symbol
09:00 – 09:20	Philip Whitford: Use of Alarm/Alert Call Playback to Reduce Canada Goose Problems at an Ohio Business Park	Melissa Giese: Experimental studies to measure the effects of human activity on seabirds and seals	Mihoko Numata: Cytochrome P450 (CYP) 1A activity and its induction in black-backed gulls and paradise shelducks: environmental pollution	Marina Michaelidou: Incorporating local values in European union conservation policy: The Cyprus case	Ben Reddiex: Effect of rabbit haemorrhagic disease on rabbit population demography in three climatically diverse regions of NZ	Miklós Puky: Amphibian management with wetland restoration in Hungary
09:20 – 09:40	Daniel Vice: Objectives, strategies and results of brown treesnake control on Guam	Kelly A. Waples: Management of the dolphin watch industry in NSW: is self regulation sufficient?	Maria Elena Zaccagnini: Design of an ecotoxicological-monitoring program to conserve resident and migratory birds in Argentine agroecosystems	Heather J Aslin: Two toolboxes for wildlife management?	Phil Cowan: Environmental and agricultural damage caused by possums in New Zealand	Mohan Alembath: Conservation success of Nilgiri tahr (<i>Hemiragus hircorius</i> Ogilby 1838) in Eravikulam National Park
09:40 – 10:00	Catherine Herbert: Long-term contraception of marsupials following treatment with the slow-release GnRH agonist implant Suprelorin	Tamara van Polanen Petel: Measuring the effects of human activity on Weddell seals in Antarctica	Discussion and summary of section	Vanessa deKoninck: Using social science to improve joint management: a case study from Garig Gunak Barlu National Park, Australia	Phil Cowan (for Mark Ralston): Parasites - possibilities for control of introduced Australian brushtail possums	Michael Mahony: Habitat use and behaviour of the giant burrowing frog
10:00 – 10:30	Morning tea					
10:30 – 10:50	Catriona MacLeod: Can increased niche opportunities and release from enemies explain the successful introduction of the yellowhammer to New Zealand?	Vanessa Labrada Martagon: The influence of tourism on the behavior of California sea lions at Los Islotes, Baja California Sur, Mexico	James Ross: Exposure of barn owls (<i>Tyto alba</i>) to second-generation anticoagulant rodenticides in Britain	Daniela Raik: Managing community controversy in suburban wildlife management: adopting practices that address value differences.	Warwick Grant: Transgenic nematode parasites as GMO biological control vectors for brushtail possum in New Zealand	Peter Paton: Effects of landscape structure on pond-breeding amphibians across a rural-urban gradient
10:50 – 11:10	John Tracey: A generalised framework for predicting bird damage to horticulture	Marcelo Cassini: Fence effects on the behavioural responses of south American fur seals towards tourist approaches	Richard Shore: Risks to predatory vertebrates from anticoagulant rodenticides in the UK	Atul Gupta: Ecodevelopment and wildlife management in protected areas in India	C Kent Williams: Risk of exporting a genetically modified immunocontraceptive virus in mice <i>Mus - 'musculus-domesticus'</i>	Graeme Gillespie: Herpetofaunal assemblage composition in relation to habitat disturbance in Sulawesi, Indonesia: implications for mgmt and conservation of vertebrate biodiversity
11:10 – 11:30	Clare Veltman: Patterns of Judas goat use in New Zealand	David Croft: Red kangaroos as tourism icons: conflict or synergism with pastoralism in the sheep rangelands of Australia	Pierre Mineau: Extensive exposure of Canadian birds of prey to the second-generation anticoagulant rodenticides brodifacoum and bromadiolone	Tom Brown: Research, policy and practice needs for improved community-based wildlife management - global community perspectives	Robert Henzell: Building safety into disseminating GMOs used to manage wild animals	Michelle Reynolds: Island castaways or recovery opportunity? Population biology and conservation of Laysan's dabbling duck.
11:30 – 11:50	Lee Webley: Long-term contraceptive implants as an alternative management option for pest deer species near urban environments	Julian Gorman (for Diane Pearson): Using GIS and remote sensing to assist in sustainable management of the top end of Australia's wildlife tourism icons	Penelope M Fisher: Comparative persistence of four anticoagulant rodenticides in rat liver	Tom Brown: Discussion (40 Mins)	Elaine Murphy: International implications of using disseminating GMOs for vertebrate pest control	Bradley Law: A contrasting response of small ground mammals and bats to revegetation on private land
11:50 – 12:10			Alan MacNicol: Genetics of resistance to second-generation anticoagulant rodenticides in rats: implications for resistance management.	Discussion (continued)	General discussion: Rabbits and GMOs	Howard Parker: Should beaver 'hunting' supplement trapping in North America and Eurasia?
12:10 – 13:20	Lunch and poster session 5					

Friday 5 December – afternoon session

Lecture room						
	C1	C2	C3	A1	A2	A3
	Open session: Wildlife conservation (birds) Chair: Glen Saunders, Christian Estades	Open session: Wildlife utilisation Chair: Wini Kessler, Jon Swenson	Open session: Wildlife toxicology and disease Chair: Robert Anthony, Stefan Endepols	Open session: Wildlife population management and dynamics (general) Chair: Kim King, Jason Marshal	Open session: Landscape issues and wildlife management Chair: John Bissonette, Ilse Storch	Open session: Statistical methods in wildlife management Chair: Michaela Birrell, Sakari Mykia
13:20 – 13:40	Mark S Boyce: Whooping crane colt recruitment enhanced by egg removal	Richard Barker: Monitoring the New Zealand gamebird harvest	Graham Smith: Control of Focal Epizootics in Wildlife	Brian Cooke: Control of introduced vertebrates in Galapagos	Jacob Overton: Broad-scale capture and analysis of monitoring information: the advantages for adaptive management	William R Gould: Superpopulation mark-resight estimation of a wintering elk population when the survey area is randomly sampled
13:40 – 14:00	Murray Williams: Competition and hybridisation between indigenous grey duck and introduced mallard in New Zealand	Harald Steen: Strong density-dependent willow ptarmigan population growth compensate only 33% of experimental harvest	Jo Judge (for M Hutchings): Paratuberculosis - a new non-ruminant wildlife disease?	Michael Scroggie: Using mark-recapture analysis and population models to investigate management strategies for spotted tree frogs	Dawn Gorham: Landscape-level analysis of suburban white-tailed deer overabundance	Sam Cushman: An approach to analyzing the details of autocorrelation patterns in animal movements
14:00 – 14:20	William Bowerman: Evaluating Great Lakes bald eagle nesting habitat with Bayesian inference	Anthony Griffiths: Aboriginal hunting and its role in wildlife conservation for northern Australia	Jessica Quinn: Spatial dynamics of mongooses in the rain forest of Puerto Rico: implications for transmission	Hal Caswell (for Michael Neubert): Dispersal and demography: quantifying invasions, reintroductions and range expansions of wildlife populations	Miriam Goosem: Canopy closure: an ecological solution to impacts of rainforest roads on wildlife?	Ian Westbrooke: Measuring short-term impacts of pest control operations on territorial forest birds using transect counts
14:20 – 14:40	Stephanie Jenouvrier: Effect of climate variability on the temporal population dynamics of southern fulmars	Winifred B Kessler: Federal management of subsistence hunting and fishing in Alaska	Nadia Robert: Pathological investigations of reintroduced Przewalski's horses in Mongolia - what can we learn?	Veijo Kaitala: Population recovery and harvest strategies	James Thompson: Is moving 'house' a life threatening experience for flying foxes? The ecological role of the urban campsite	Gretchen Jehle: Obtaining reliable nest survival estimates: a review of recently developed alternatives to the Mayfield estimator
14:40 – 15:00	Alan Lill: Response of birds to forest regeneration after disturbance: conservation implications	Rehema White: Utilisation of forest fauna by local communities in the Transkei region, South Africa	Lacchman Das Singla: Management of piperazine resistant toxocarosis with ivermectin in lions	Jim Hone: What we still do not know about population dynamics and management	Tod Fearer: Spatial patterns of acorn production by oaks in the eastern United States	Kenneth R Wilson: What does relative abundance really mean? A case study using small mammals
15:00 – 15:20	Olivier Duriez: Individual wintering strategies in the Eurasian woodcock	G A Dedeke: Pilot survey of ethnozoological utilization of vertebrates in southwestern Nigeria	Richard Shore: Predatory birds as indicators of pollution hotspots	Christine Hunter: Sensitivity analysis for spatially distributed wildlife populations	Deborah Wilson: Effects of introduced possums, rats and mice on seedling establishment in New Zealand forests	Michael Harper: Overcoming bias in ground-based surveys of hollow-bearing trees using double sampling
15:00 – 15:20	Afternoon tea					
15:50 – 16:10	Jorn Theuerkauf: Threats to endemic birds of New Caledonia: habitat loss or invasive alien species?	Jon E Swenson: Sexually selected infanticide: a factor to consider when harvesting large carnivores?	Michelle Power: Wildlife sources of <i>Cryptosporidium</i> in Australian water catchments	Mandy Tocher: The fate of grand and Otago skink populations following feral cat control: a six year study	Werner Suter: Browsing ungulates in Central European forests: Why is there so little progress in solving the "forest-wildlife conflict"?	Fiona Fidler: The informed regulator rule: how confidence intervals can help wildlife management
16:10 – 16:30	Beatriz Arroyo: Using habitat-based models to target management in conflict situations: an example from red grouse and hen harriers	Anne Luoma: Moose hunting in Finland - a population model with harvesting	Jean-Roch Gaillet: "SAGIR": sanitary surveillance network for wildlife in France	B K Reilly: Observer bias in helicopter based total counts of large ungulates in bushveld	Lars Edenius: Co-management of large ungulates and browsing-prone woody plants: Moose and aspen in Sweden	Brendan Wintle: Dealing with imperfect detectability in wildlife habitat analyses and monitoring
16:30 – 16:50	Peter Pechacek: Food habits of the three-toed woodpecker			Katja Enberg: Extinctions in population management	Robert Steidl: Species richness as a basis for large scale conservation planning	Jenny Nelson: A sampling protocol using hair-tubes for the detection of a rare forest carnivore: the spot-tailed quoll
16:50 – 17:10	Richard A. Schmitz: Nesting songbird response to fire and encroachment of juniper in sagebrush steppe landscapes			Chris Davey: Do exotic vertebrates structure the flora and fauna of south eastern Australia? A case study from lake Burrendong, NSW	Aurelia Munck: Effects of various landscape structures on bird communities in alpine riverine ecosystems	Colin Southwell: Detection heterogeneity and estimation of $g(0)$ in aerial survey of Antarctic pack-ice seals
17:10 – 17:30					Paulette L Ford: Landscape response of Orthoptera to fire in shorgrass steppe	
Haere Ra! Farewell and thank you for participating in the 3 rd International Wildlife Management Congress!						