

Program



Monday 1 st May 2017	
17:30	Registration desk opens
18:00 ↓ 19:30	Welcome reception / Icebreaker Ostani Bar, Hotel Realm

Tuesday 2 nd May 2017																											
7:30	Registration desk opens																										
8:30	Welcome: Bruce Christie – Chair of the Invasive Plants and Animals Committee																										
8:35	Welcome to Country																										
8:40	Official opening: TBC																										
9:00	Plenary 1: Andreas Glanznig – Invasive Animals CRC Topic Australian developments and outlook																										
9:30	Plenary 2: A pest-free NZ by 2050 Dan Tompkins – Landcare Research – Manaaki Whenua, New Zealand																										
10:00	Plenary 3: The US perspective: challenges and directions in invasive and overabundant animal research Kurt VerCauteren - National Wildlife Research Center, USDA																										
10:30 – 11:00 Morning tea break																											
11:00 – 12:30 Concurrent sessions																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: yellow;">Concurrent session 1A Prevention / incursions Chair: Andrew Bengsen</th> <th style="background-color: green;">Concurrent session 1B Control: biocontrol Chair: Tanja Strive</th> </tr> </thead> <tbody> <tr> <td>11:00</td> <td>Community-based invasive species surveillance- bringing innovation to information sharing and improved management <i>Peter West</i></td> </tr> <tr> <td>11:15</td> <td>Frontiers and lessons in island eradications: the case of foxes on Phillip Island <i>Duncan Sutherland</i></td> </tr> <tr> <td>11:30</td> <td>Making inference from wildlife collision data: inferring predator absence from prey strikes <i>Peter Caley</i></td> </tr> <tr> <td>11:45</td> <td>Advanced remote acoustic surveillance technology at a “real-time” invasion front <i>Susan Campbell</i></td> </tr> <tr> <td>12:00</td> <td>Using wildlife camera for invasive turtle surveillance <i>Ryan Melville</i></td> </tr> <tr> <td>12:15</td> <td>Development of a NSW tilapia incursion response plan: failure to plan is a plan to fail <i>Victoria Greentree</i></td> </tr> <tr> <td>11:00</td> <td>Cyprinid herpesvirus 3: a potential biological control for carp in Australia <i>Ken McColl</i></td> </tr> <tr> <td>11:15</td> <td></td> </tr> <tr> <td>11:30</td> <td>Gene Drive and the potential to control vertebrate pests <i>Mark Tizard</i></td> </tr> <tr> <td>11:45</td> <td></td> </tr> <tr> <td>12:00</td> <td>Immune response of common carp, <i>Cyprinus carpio</i>, to cyprinid herpesvirus 3 infection: implications for viral control <i>Matthew Neave</i></td> </tr> <tr> <td>12:15</td> <td>Trojan Y genetic control for <i>Gambusia holbrooki</i>: rationale, progress and challenges <i>Jawahar Patil</i></td> </tr> </tbody> </table>		Concurrent session 1A Prevention / incursions Chair: Andrew Bengsen	Concurrent session 1B Control: biocontrol Chair: Tanja Strive	11:00	Community-based invasive species surveillance- bringing innovation to information sharing and improved management <i>Peter West</i>	11:15	Frontiers and lessons in island eradications: the case of foxes on Phillip Island <i>Duncan Sutherland</i>	11:30	Making inference from wildlife collision data: inferring predator absence from prey strikes <i>Peter Caley</i>	11:45	Advanced remote acoustic surveillance technology at a “real-time” invasion front <i>Susan Campbell</i>	12:00	Using wildlife camera for invasive turtle surveillance <i>Ryan Melville</i>	12:15	Development of a NSW tilapia incursion response plan: failure to plan is a plan to fail <i>Victoria Greentree</i>	11:00	Cyprinid herpesvirus 3: a potential biological control for carp in Australia <i>Ken McColl</i>	11:15		11:30	Gene Drive and the potential to control vertebrate pests <i>Mark Tizard</i>	11:45		12:00	Immune response of common carp, <i>Cyprinus carpio</i> , to cyprinid herpesvirus 3 infection: implications for viral control <i>Matthew Neave</i>	12:15	Trojan Y genetic control for <i>Gambusia holbrooki</i> : rationale, progress and challenges <i>Jawahar Patil</i>
Concurrent session 1A Prevention / incursions Chair: Andrew Bengsen	Concurrent session 1B Control: biocontrol Chair: Tanja Strive																										
11:00	Community-based invasive species surveillance- bringing innovation to information sharing and improved management <i>Peter West</i>																										
11:15	Frontiers and lessons in island eradications: the case of foxes on Phillip Island <i>Duncan Sutherland</i>																										
11:30	Making inference from wildlife collision data: inferring predator absence from prey strikes <i>Peter Caley</i>																										
11:45	Advanced remote acoustic surveillance technology at a “real-time” invasion front <i>Susan Campbell</i>																										
12:00	Using wildlife camera for invasive turtle surveillance <i>Ryan Melville</i>																										
12:15	Development of a NSW tilapia incursion response plan: failure to plan is a plan to fail <i>Victoria Greentree</i>																										
11:00	Cyprinid herpesvirus 3: a potential biological control for carp in Australia <i>Ken McColl</i>																										
11:15																											
11:30	Gene Drive and the potential to control vertebrate pests <i>Mark Tizard</i>																										
11:45																											
12:00	Immune response of common carp, <i>Cyprinus carpio</i> , to cyprinid herpesvirus 3 infection: implications for viral control <i>Matthew Neave</i>																										
12:15	Trojan Y genetic control for <i>Gambusia holbrooki</i> : rationale, progress and challenges <i>Jawahar Patil</i>																										
12:30 – 13:30 Lunch Break																											
13:30 – 15:00 Concurrent sessions																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: yellow;">Concurrent session 2A Prevention / incursions Chair: Michelle Christy</th> <th style="background-color: green;">Concurrent session 2B Control: biocontrol Chair Tanja Strive</th> </tr> </thead> <tbody> <tr> <td>13:30</td> <td>The application of DNA to wildlife surveillance <i>Stephen Sarre</i></td> </tr> <tr> <td>13:30</td> <td>The release and tracking of RHDVs in Australia’s rabbit population <i>Tarnya Cox</i></td> </tr> </tbody> </table>		Concurrent session 2A Prevention / incursions Chair: Michelle Christy	Concurrent session 2B Control: biocontrol Chair Tanja Strive	13:30	The application of DNA to wildlife surveillance <i>Stephen Sarre</i>	13:30	The release and tracking of RHDVs in Australia’s rabbit population <i>Tarnya Cox</i>																				
Concurrent session 2A Prevention / incursions Chair: Michelle Christy	Concurrent session 2B Control: biocontrol Chair Tanja Strive																										
13:30	The application of DNA to wildlife surveillance <i>Stephen Sarre</i>																										
13:30	The release and tracking of RHDVs in Australia’s rabbit population <i>Tarnya Cox</i>																										

Program

13:45	From faeces to foxes: using genetics to manage an invasive predator for wildlife conservation <i>Anna MacDonald</i>	13:45	Maximising the impact of RHDV K5 in Victoria <i>John Matthews</i>
14:00	Sensitive invasive species surveys using environmental DNA <i>Elise Furlan</i>	14:00	Fly traps as a tool for monitoring RHDV <i>Amy Iannella</i>
14:15	Impact of environmental variables in eDNA detection <i>Rheyda Hinlo</i>	14:15	RHDV2 in the Australian landscape: 2015-2016 <i>Robyn Hall</i>
14:30	Optimizing sampling protocols for fish community assessments through environmental DNA metabarcoding <i>Jonas Bylemans</i>	14:30	Recovering the epidemiology of wildlife disease from viral sequence data: the phylodynamics of the rabbit haemorrhagic disease virus <i>Carlo Pacoini</i>
14:45	Targeting 'gen one': a scalable strategy for detecting and responding to rat incursions in predator-free landscapes <i>Helen Nathan</i>	14:45	The different roles of Myxomatosis and RHD in the suppression of the Turretfield rabbit population <i>David Peacock</i>
15:00 – 15:30 Afternoon tea break			
15:30 – 17:00 Concurrent sessions			
Concurrent session 3A Control: tactical tools Chair: Bruce Warburton		Concurrent session 3B Institutions/program management Chair: Julie Quinn	
15:30	Development of the rat specific toxin Norbormide <i>Charles Eason</i>	15:30	National wild dog action plan <i>Jane Littlejohn</i>
15:45	Feral pig control and secondary poisoning risks from using Pigout® <i>Peter Adams</i>	15:45	Integrating ecological research and human dimensions: improving feral pig management by fostering innovative community engagement <i>Darren Marshall</i>
16:00	Anticoagulant rodenticides in the environment: excretion as a residue transfer pathway <i>Penny Fisher</i>	16:00	Facilitating the strategic management of wild dogs throughout Australia: how are we tracking after ten years <i>Greg Mifsud</i>
16:15	Target specificity of Felixer grooming traps <i>John Read</i>	16:15	Shared problem shared solution: a review of pest animal management in New South Wales <i>Bryce Wilde</i>
16:30	Catastrophic cat predation and the 1080 implant that should stop it dead <i>Maria-Olga Bargsted Aravena</i>	16:30	What is in the national pest management datasets <i>Nyree Stenekes</i>
16:45	Developing an aerial PAPP bait for landscape stoat control in New Zealand <i>Elaine Murphy</i>	16:45	Assessing the extent and abundance of pest animal populations across NSW through expert knowledge <i>Alyssa Trotter</i>
17:00 – 17:10 Break			
17:10 – 17:40 Speed Talk Session 1			
17:40 – 18:10 Poster session 1			
18:10 – 18:45 Change for dinner			
18:45 – 19:30 Invasive Animals CRC Celebration and Thank You event			
19:30 – 23:00 Conference Dinner			

Program

Wednesday 3 rd May 2017			
8:30	Welcome and housekeeping		
8:45	Plenary 4: Why won't they just listen to us? Craig Cormick – Think Outside The and Australian Science Communicators		
9:15	Plenary 5: Making shared responsibility real. Paul Martin – University of New England		
9:45	Plenary 6: Beyond the Borders: taking incursion management to the next level Michelle Christy – Department of Agriculture and Food, WA		
10:15	ACTA award Presented by Linton Staples		
10:30 – 11:00 Morning tea break			
11:00 – 12:30 Concurrent sessions			
Concurrent session 4A control: tactical tools Chair: Elaine Murphy		Concurrent session 4B institutions / program management Chair: Bertie Hennecke	
11:00	Remotely sensed feral buffalo damage in Kakadu National Park: comparing drone and satellite based imagery for future management <i>Stewart Pittard</i>	11:00	What impediments are you facing in peri-urban invasive species control? Institutional expectations for invasive animal management in peri-urban Australia <i>Vivek Nemane</i>
11:15	An investigation into the use of thermal cameras for detecting feral pigs during aerial surveys of the Lowbidgee floodplain <i>Suzie Holbery</i>	11:15	Test our organisational learning: an empirically based T.O.O.L. for assessing continuous improvement in the management of invasive species <i>Katrina Dickson</i>
11:30	Assessing the field efficacy of Hoggone® feral pig bait, containing sodium nitrite, for controlling feral pigs in Australia <i>Jason Wishart</i>	11:30	Established invasive species animal training program – building organisational capacity and the next generation of EIA managers <i>Nigel Roberts</i>
11:45	The economics of monitoring traps with wireless networks <i>Bruce Warburton</i>	11:45	Threatened Species Strategy: update on feral cat management. <i>Sam Dutton</i>
12:00	Uptake of feral cat baits in Eastern Australia <i>James Speed</i>	12:00	Minjerribah's most wanted: multi-stakeholder approaches to conservation, prioritising actions to preserve out nature <i>Hernan Caceres</i>
12:15	Separating the twitter from the chatter: monitoring and forecasting mouse plagues in Australian grain-growing regions <i>Steve Henry</i>	12:15	What is missing from feral pig management – comparisons between the USA and Australia <i>Linton Staples and Kurt VerCauteren</i>
12:30 – 13:30 Lunch Break			
13:30 – 15:00 Concurrent sessions			
Concurrent session 5A Control: Tactical Tools Chair: Lyn Hinds		Concurrent session 5B Community led action Chair: Paul Martin	
13:30	Fertility control for wildlife management: good, better, best <i>Douglas Eckery</i>	13:30	"The community won't be ignored": lessons for community engagement from case studies in wild dog management <i>Tanya Howard</i>
13:45	Laboratory evaluation of the effectiveness of the contraceptive bait, Contrapest®, on wild-captured black rats (<i>Rattus rattus</i>) <i>Brandy Pyzyra</i>	13:45	Has fifteen years of perseverance lead to the evolution of successful community involvement in vertebrate pest management? <i>Rhett Robinson</i>

Program

14:00	Managing macropod populations in peri-urban situations: remote delivery of a fertility control vaccine <i>Claire Wimpenny</i>	14:00	Community pest control – the successful Canberra experience with the common myna <i>Bill Handke</i>
14:15	Implementing implants: efficacy and efficiency of Levonorgestrel for fertility control of peri-urban grey kangaroos <i>Graeme Coulson</i>	14:15	Understanding inaction: why do landholders fail to participate in pest animal management? <i>Donald Hine</i>
14:30	Can long-term fertility control of overabundance koala populations mitigate their impacts on <i>eucalyptus</i> forests? <i>Dave Ramsay</i>	14:30	Improving participation through application of human behavioural approaches: a cat management case study <i>Lynette McLeod</i>
14:45	Evaluation of a potential fertility control bait for wild pigs <i>Brandy Pyzyna</i>	14:45	Use of public bird counts to assist in surveillance for exotic birds <i>Ryan Melville</i>
15:00 – 15:30 Afternoon tea break			
15:30 – 17:00 Concurrent sessions			
Concurrent session 6A Open session 1 Chair: Dave Ramsey		Concurrent session 6B Community led action Chair: Don Hine	
15:30	Rabbit eradication at Mulligans Flat woodland sanctuary <i>Mark Sweaney</i>	15:30	Wild dog management groups in Australia: how well are they functioning? <i>Robert Kancans</i>
15:45	Outcomes of the 2016 national workshop in management of wild deer impacts <i>David Forsyth</i>	15:45	Insights into facilitating cooperative approaches for rabbit management <i>Michael Reid</i>
16:00	Management of an expanding chital deer population in north Queensland <i>Tony Pople</i>	16:00	Promoting community reporting of peri-urban wild dogs. A partnership approach to behaviour change <i>Patty Please</i>
16:15	What do South Australians think about feral deer and how their views influence management <i>Annelise Wiebkin</i>	16:15	Wild dogs in north eastern NSW: how did we get here and where are we going? <i>Peter Fleming</i>
16:30	Fiddling while Rome burns- “compassionate conservation” is neither <i>Peter Fleming</i>	16:30	How late is too late? Managing the impacts of wild deer on private land in the upper Murray <i>Lyn Coulston</i>
16:45	Implementing effective pest management <i>Mike Braysher</i>	16:45	<i>Session discussion</i>
17:00 – 17:10 Break		17:00 – 17:10 Break	
17:10 – 17:40 Speed Talk Session 2		Field trip – pre booking essential	
17:40 – 18:30 Poster session 2		17:20	First tour departs – returns 20:10
		18:50	Second tour departs – returns 21:40

Program

Thursday 4 th May 2017			
8:25- 10:30 concurrent sessions			
Concurrent session 7A Open session 2 Chair: Malcolm Kennedy		Concurrent session 7B Community led action Chair: Lynette McLeod	
8:25	Welcome and housekeeping	8:25	Welcome and housekeeping
8:30	Home range and habitat utilisation of feral cats (<i>Felis catus</i>) in central Queensland <i>Cameron Wilson</i>	8:30	Wild for Taranaki – a community led response to protecting Taranaki’s natural treasure <i>Steve Ellis</i>
8:45	Red Fox movement at a flatback turtle rookery in the Pilbara, Western Australia <i>John-Michael Stuart</i>	8:45	Community involvement in pest control – a case study of accredited volunteer shooting programs <i>Mathew Godson</i>
9:00	Developing a monitoring program for aerial and ground surveys of waterfowl in NSW <i>Shannon Dundas</i>	9:00	Who is controlling wild canids? <i>Trish Fleming</i>
9:15	Feeding ecology of an invasive predator across an urban land-use gradient <i>Ben Stepkovitch</i>	9:15	Are we ready to go online? Communicating the national release of RHDV1 K5 <i>Ian McDonald</i>
9:30	Undermining possum-centric eradication of bovine tuberculosis from wildlife: are ferrets sometimes independent hosts? <i>Graham Nugent</i>	9:30	RHDV Boost – community preparation on a national scale <i>Emma Sawyers</i>
9:45	Understanding red fox (<i>Vulpes vulpes</i>) habitat in urban environments <i>John Martin</i>	9:45	Only an engaged and informed community can lead the way to sustained long term rabbit control <i>Alex Thorp</i>
10:00	A protocol for estimating dingo-wild dog abundance and density <i>David Forsyth</i>	10:00	Self empowered peri-urban community led planning for invasive animal management <i>Darryl Low Choy</i>
10:15	The influence of wild dogs, herbivores and climate on vegetation in Australian ecosystems <i>Helen Morgan</i>	10:15	Community engagement for invasive species management: take home messages from a four year collaboration <i>Tanya Howard</i>
10:30 – 11:00 Morning tea break			
11:00 – 12:30 Concurrent sessions			
Concurrent session 8A Control: Strategies Chair: Peter Fleming		Concurrent session 8B Community + Transformative ideas Chair: Peter Brown	
11:00	Background to the development of Hoggone <i>Linton Staples</i>	11:00	A new paradigm for invasive species management: application of a systems strengthening approach <i>Sharyn Williams</i>
11:15	Managing pests with exclusion fences: progress and potential biodiversity benefits <i>Lee Allen</i>	11:15	Feral tales that make engagement happen: how stories can shape our views, our actions, our learning <i>Jessica Marsh</i>
11:30	The application of genetics to improving peri-urban wild dog management <i>Matt Gentle</i>	11:30	Evaluation of the IA CRC principles-based multi-disciplinary research program to improve human issues of invasive species management <i>Paul Martin</i>
11:45	Population reduction is more important than limiting immigration in a proposed large wild	11:45	A bio-economic decision process for broadscale eradication or containment of

Program

	dog cell <i>Malcolm Kennedy</i>		invasive pests <i>Dean Anderson</i>
12:00	Do dingoes suppress feral cats? spatial and temporal activity of sympatric feral cats and dingoes in central Queensland <i>Bronwyn Fancourt</i>	12:00	Principles of applied ecology: a transformative idea for vertebrate pest management? <i>Jim Hone</i>
12:15	Does wild dog control alter feral cat activity? <i>Tracey Kreplins</i>	12:15	Transforming conflict into collaboration: new tools for old problems of stakeholder engagement <i>Greg Mifsud</i>
12:30 – 13:30 Lunch Break			
13:30 – 15:00 Concurrent sessions			
Concurrent session 9A Control: strategies Chair: Matt Gentle		Concurrent session 9B Open session 3 Chair: Stephen Sarre	
13:30	Kangaroos and conservation in the bush capital: not rocket science <i>Melissa Snape</i>	13:30	Rabbits do love their veg! Rabbit impacts on horticulture in Queensland <i>Peter Elsworth</i>
13:45	Movement of eastern grey kangaroos in Canberra: implications for management and control. <i>Renee Brawata</i>	13:45	Habitat modelling of predators in Tasmania inferred by DNA-based detection of carnivore scats <i>Stephen Sarre / Elodie Modave</i>
14:00	Native pest management: Kangaroo overpopulation <i>Calista Cameron</i>	14:00	Does the hybridisation of Tasmanian and mainland Australian brushtail possums inhibit dispersal in New Zealand? Implications for management <i>Catriona Campbell</i>
14:15	Towards a feral cat management strategy for Hattah-Kulkyne National Park: estimation of cat density, bait uptake and comparisons of management strategies <i>Alan Robley</i>	14:15	Maintaining the capability pipeline: IA CRC Balanced Researcher Program <i>Stephen Sarre / Tony Buckmaster</i>
14:30	Destruction of drought refuge rabbit warrens to control rabbits on Bulloo Downs: finishing a 20 year long project <i>Dave Berman</i>	14:30	Dung distribution: the first step for Pilliga feral horse management <i>David Wurst</i>
14:45	Opportunities to improve pest species mapping through the use of ultra-high-definition aerial survey techniques <i>Suzy Holbery</i>	14:45	Density-dependent effects of rabbit browsing on Australian native vegetation <i>Greg Mutze</i>
15:00 – 15:30 Afternoon tea break			
15:30 – 17:00 Plenary sessions sessions			
15:30 ↓ 16:45	Discussion Panel – Future technologies in pest animal management Host / chair: Paul Barclay – Big Ideas, ABC Radio National Panellists Dr Edie McDonald – Department of Conservation – Te Papa Atawhai, New Zealand Dr Mark Tizard – CSIRO Dr Bidida Jones – RSPCA Australia Dr Karl Campbell – Island Conservation, Galapagos		
16:45	Prizes and awards: TBC		
17:00	Conference close: TBC		

Program

Poster with 3 minute speed talk program

Speed talk session 1 Tuesday 2nd May 2017	
17:10	What can camera traps and hunter bags tell us about the growth and spread of deer populations? <i>Andrew Bengsen</i>
17:13	Applying a standard biosecurity response tool to high risk vertebrate incursions <i>Jesse Miller</i>
17:16	A strategy for effectively managing feral pig impacts in agricultural enterprises in northern Queensland <i>Peter Cremasco</i>
17:19	Creeping cats caught out! Using ultrasonic deterrents to keep cats out of urban backyards <i>Heather Crawford</i>
17:22	Directed experimental evolution of rabbit haemorrhagic disease virus <i>Robyn Hall</i>
17:25	The IAP2 spectrum of public participation: a useful tool for communication and engagement activities in the pest animal world <i>Dana Price</i>
17:28	Opportunity from a menace: feral pigs to Feraliser <i>Stephanie von Gavel</i>
17:31	1000 pictures is worth how many words? <i>Jessica Marsh</i>
17:34	An integrated and coordinated landscape-scale approach to vertebrate pest control and monitoring <i>Sally Jacka</i>

Speed talk session 2 Wednesday 3rd May 2017	
17:10	Exploring natural and engineered gene drives for eradications of invasive rodent populations <i>Royden saah</i>
17:13	Who has the data? <i>Roxane Blackley</i>
17:16	Interpreting environmental DNA metabarcoding results to infer biodiversity <i>Elise Furlan</i>
17:19	Assessing the effects of feral deer management on endangered alpine peatlands: the Alpine National Park Deer Control Trial <i>Daniel Brown</i>
17:32	Engaging the community to help protect our native fish from aquatic pests such as Redfin Perch <i>Karina Worrell</i>
17:25	Kangaroo Island feral cat control trials 2016-2018: guiding an island eradication <i>Pat Hodgins</i>
17:28	The detox-toad: combining CRISPR gene editing and conditioned taste aversion, new horizons for gene technology in cane toad control <i>Mark Tizard</i>
17:31	Wild dog aware <i>Bernadette York</i>
17:34	Dietary analysis of feral pigs from the southwest of Western Australia <i>Joe Porter</i>

Program

Poster session (both days)

Poster Title / Author
Differential diagnostic of rabbit caliciviruses circulating in Australia <i>Tanja Strive</i>
Biological control of tilapia: a potential virus <i>Ken McColl</i>
Origins of the benign rabbit calicivirus in Australia <i>Jackie Mahar</i>
Detection of RHDV2 in European brown hares (<i>Lepus europaeus</i>) in Australia <i>Robyn Hall</i>
The impact of RHDV2 on rabbit populations across Australia <i>Tarnya Cox</i>
Lessons from experience: a multidisciplinary research team pursuing maximum value to end-users in the shortest possible time <i>Paul Martin</i>
Threat abatement policy for the environmental impacts of rabbits <i>Julie Quinn</i>
Threat abatement policy for the environmental impacts of feral pigs <i>Julie Quinn</i>
Detection of a recombinant RHDVa isolate in Australia <i>Jackie Mahar</i>