



PRELIMINARY CONFERENCE PROGRAM

20/01/2010

Sunday 28 February 2010

4.00pm – 7.00pm	Registration Desk Open Exhibition open
6.00pm – 7.30pm	Welcome Reception sponsored by Australian Quarantine and Inspection Service (AQIS) Room: Mezzanine M3

Monday 1 March 2010

8.45am – 9.00am	Official Opening			
	Chair: Room: Mezzanine M4			
9.00am – 9.45am	Plenary 1			
	Overview – <i>Reshaping agricultural biosecurity for Australia</i> Rob Delane, Department of Agriculture and Food, Western Australia			
9.45am – 10.30am	Plenary 2			
	<i>The biosecurity drivers for agriculture in the USA</i> Rebecca Bech, APHIS - United States Department of Agriculture			
10.30am – 11.00am	Morning Tea Room: Mezzanine M3			
11.00am – 12.30pm	Concurrent session 1			
	Threats	Drivers	Knowledge	Systems
	Chair: Room: Mezzanine M1	Chair: Room: Mezzanine M2	Chair: Room: Mezzanine M4	Chair: Room: Plaza P1
11.00am – 11.15am	The stripe rust pathogen of cereal crops in Australia: managing exotic and endemic threats to crop losses Colin Wellings	Comprehensive bioeconomic modelling of the risk management of multiple non-indigenous harmful species: to exclude, or to wait and control? Roman Carrasco	The Australian Biosecurity Intelligence Network – a Commonwealth funded infrastructure initiative Joanne Banyer	The Tasmanian biosecurity system – a case study in biosecurity policy, strategy, and action Andrew Bishop

11.15am – 11.30 am	Characterisation of Indonesian H5N1 isolates to understand the prolonged infection and spread of H5N1 among domestic poultry Hendra Wibawa	'Rethinking biosecurity policy interventions: use of network David Newth	Improving biosecurity outcomes through networking Australia's Wildlife Health data with the Australian Biosecurity Intelligence Network Karrie Rose	Biosecurity and public health: two sides of the same coin? Mel Taylor
11.30am – 11.45am	Factors affecting the introduction, distribution, migration and colonisation of Currant-Lettuce Aphid <i>Nasonovia ribisnigri</i> (Mosley) in Australia Craig Feutrill	Using an integrated analytical-deliberative approach to facilitate decision making in prioritizing biosecurity risk Shuang Liu	Building a virtual microscopy laboratory network through the Australian Biosecurity Intelligence Network Marc Kabay	Managing wildlife biosecurity in Australia Lee Skerratt
11.45am – 12.00pm	Foxes and on farm biosecurity: have they a role in bovine <i>Neospora</i> abortion? Jessica King	Decision making under uncertainty with application to biosecurity Rob Reeves	Remote microscopy: diagnostics, training and beyond Michael Thompson	Managing biosecurity across borders: a comprehensive strategy Ian Falk
12.00pm – 12.15pm	Australian plant susceptibility to <i>Phytophthora ramorum</i> and their role in driving a potential epiphytotic Kylie Ireland	A participatory approach to prioritizing plant pests and diseases David Cook	A biosecurity framework for harmonisation of knowledge Debra Riddell	Driving science into biosecurity policy and operations Barney Stephenson
12.15pm – 12.30pm	Bats and the emerging zoonotic disease threat Gary Crameri	If biological invasions are spatially and temporally explicit, why isn't biosecurity risk analysis? Brendan Murphy	Office of the Chief Veterinary Officer's (OCVO) scanning report: an approach to identifying emerging issues for animal health management in Australia Belinda Wright	Legislation - a necessary evil Merryn Pugh
12.30pm – 1.30pm	Lunch Room: Mezzanine M3			
1.30pm – 3.00pm	Concurrent session 2			
	Threats	Drivers	Knowledge	Systems
	Chair: Room: Mezzanine M1	Chair: Room: Mezzanine M2	Chair: Room: Mezzanine M4	Chair: Room: Plaza P1
1.30pm – 1.45pm	Red imported fire ants: the benefits of applied genetics to the eradication program Jane Oakey	Incorporating uncertainty into import risk assessments: a Bayesian melding approach Petra Kuhnert	Office of the Chief Veterinary Officer's (OCVO) animal health scanning activities: so far so good, where to from here? Belinda Wright	International biosecurity research across the quarantine continuum Andy Sheppard
1.45pm – 2.00pm	Are we prepared for an exotic disease outbreak in feral pigs? Steven Lapidge	Policy and legal framework for managing biosecurity (Indonesian Perspective) Theofransus Litaay	Biosecurity cyberinfrastructure for surveillance, modelling and risk analysis Roger Magarey	Biosecurity planning and implementation Sharyn Taylor

2.00pm -2.15pm	tbc	Australia's Government-Industry Partnership - a cornerstone of the biosecurity system Greg Fraser	Wildlife health information in Australia: bridging the gaps between wildlife and industry Rupert Woods	The National Goat health statement, a tool to promote on-farm Biosecurity Duncan Rowland
2.15pm – 2.30pm	Mobile mating disruption: using medflies against moths David Maxwell Suckling	The role of animal health laboratories in managing the risks from infectious diseases Martyn Jeggo	Building a global plant health alliance: the function and role of an integrated plant health information system Trevor Nicholls	Response management: one system to rule them all Amelia Pascoe
2.30pm – 2.45pm	Benefit cost analysis of the long-term containment strategy for exotic fruit flies in Torres Strait Mary Ann Franco-Dixon	Biosecurity and developing world needs Perdeep Kumar	Grains biosecurity aligns with dynamic communication and adoption industry programs for on-farm impact Judy Bellati and Lisa Sherriff	An overview of the Emergency Plant Pest Response Deed (EPPRD) Rod Turner
2.45pm – 3.00pm	Siam Weed (<i>Chromolaena odorata</i>): the true cost - beyond agricultural impacts to quantifying environmental impacts Sarah Goswami	The economics of biosecurity: import risk, border quarantine, local surveillance and eradication measures Tom Kompas	Grain knowledge networks and risk management for phosphine resistance in stored grain insects Anna Carr	Subcommittee on plant health diagnostic standards Barbara Hall
3.00pm – 3.30pm	Afternoon Tea Room: Mezzanine M3			
3.30pm – 4.15pm	Plenary 3			
	Chair: Room: Mezzanine M4			
	<i>Biodiversity impacts of invasive animal species</i> Mick Clout, University of Auckland			
4.15pm – 6.00pm	General Posters			
7.00pm	Sponsors Thank you Event – Rydges Southbank			

Tuesday 2 March 2010

8.45am – 9.00am	Housekeeping			
9.00am – 9.45am	Plenary 4			
	Chair: Room: Mezzanine M4			
	<i>Bioresecurity issues for a large multi-national industry (Confirmed)</i> Johan van Der Merwe, Chevron			
9.45am – 10.30am	Concurrent Session 3			
	Threats	Drivers	Knowledge	Systems
	Chair: Room: Mezzanine M1	Chair: Room: Mezzanine M2	Chair: Room: Mezzanine M4	Chair: Room: Plaza P1
9.45am – 10.00am	Where and how much? Cost-effective surveillance for invasive species management Cindy Hauser	Principles of phytosanitary biosecurity surveillance Brendan Murphy	RabbitScan - engaging community knowledge Graeme Martin	Bioresecurity surveillance problems are typically complex and require an integrated design approach: a solution Peter Whittle
10.00am – 10.15am	Multiple species detection: statistical aspects of surveillance design Susan Barrett	Are we on the right track to manage invasion pathways? Philip Hulme	Capacities needed to develop robust biosecurity organisations and policy Peter Black	Bioresecurity surveillance design for invading species: updating expert estimates with experimental data Frith Jarrad
10.15am – 10.30am	Early detection, information gaps and the design of surveillance programs for invasive species Denys Yemshanov	The consequences of fire blight in Australian pome fruit industries David Cook	Bioresecurity - the front line Chris Hawkins	PaDIL – innovation in delivering biosecurity to end users Ken Walker
10.30am – 11.00am	Morning Tea sponsored by Plant Health Australia (PHA) Launch of the National Plant Health Status Report Room: Mezzanine M3			
11.00am – 12.30pm	Concurrent Session 4			
	Threats	Drivers	Knowledge	Systems
	Chair: Room: Mezzanine M1	Chair: Room: Mezzanine M2	Chair: Room: Mezzanine M3	Chair: Room: Plaza P1
11.00am – 11.15am	Landscape scale surveillance of fungal plant pathogens undergoing aerial dispersal David Savage	A modelling framework for understanding the impacts of climate change on biosecurity incursions of cropping systems Hazel Parry	New technologies for disease surveillance Angus Cameron	Learning from experience: improvements to biosecurity responses in New Zealand Sarah Clinehens

11.15am – 11.30am	Future - proofing surveillance: the challenges of emerging viruses and host-switching Deborah Middleton	An integrative approach to understanding the pest and disease threats to agricultural biosecurity under future climates Jo Luck	Point of truth calibration: putting science into scoring systems Simon Barry	Equine influenza eradication – lessons for future responses Ron Glanville
11.30am – 11.45am	Mission Path Planning (MPP) for an Unmanned Aerial System (UAS) fitted with an air sampling device Felipe Gonzalez	Effects of expansion in human activity and climate change on plant virus introductions and emergence Roger Jones	Harnessing expert knowledge for biosecurity Samantha Low-Choy	Biosecurity perceptions of horse owners and managers in New South Wales and their attitudes towards a potential future outbreak of equine influenza Kathrin Schemann
11.45am – 12.00pm	Modelling the proximal source of intercepted exotic insects Darren Kriticos	Impact of climate change on food security and biosecurity in small Pacific nations Angela Freeman and Pita Taufatofua	Evidence for absence from absence of evidence – quantifying the value of general surveillance Tony Martin	A smutty story - lessons from an incursion of sugarcane smut Barry Croft
12.00pm – 12.15pm	Contribution of general surveillance to demonstrating area freedom for grain pests Nichole Hammond	Monitoring market infection status John Weaver	How to deal with evidence uncertainty in biosecurity decision-making? Kim Lowell	Rabies on the move in Indonesia - lessons for Australia Helen Scott-Orr
12.15pm – 12.30pm	tbc	Assessing the risk of plant pathogens in the irrigation channels of the Ord River irrigation area Rebecca Zappia	Preferences and priorities in risk mitigation across multiple values Terry Walshe	Risk factors for the spatial-temporal distribution of Tabanus (Family: Tabanidae): a cart analysis Kirsty Moynihan
12.30pm – 1.30pm	Lunch Room: Mezzanine M3			
1.30pm – 3.00pm	Concurrent session 5			
	Threats	Drivers	Knowledge	Systems
	Chair: Room: Mezzanine M1	Chair: Room: Mezzanine M2	Chair: Room: Mezzanine M4	Chair: Room: Plaza P1
1.30pm – 1.45pm	Full genome sequencing and its application in the identification of new biosecurity threats Simone Warner	Preventing and managing incursions of class 1 weeds in Queensland Michael Day	Finding the hole in the dyke: how to stop the spread of pests using aquatic weeds in Australia as a case study Byron Pakula	How can research inform policy in weed incursion management? Dane Panetta
1.45pm – 2.00pm	Using next-generation sequencing methods for diagnostics development: examples from phosphine resistance David Schlipalius	Pig producers' perceptions of the human swine influenza A (H1N1) outbreak and its effect on their biosecurity practices Navneet Dhand	New methods of providing statistical confidence in zero detections for surveillance programs – a case study in the eradication of Yellow Crazy Ants	A way to weigh dread weeds. A policy framework to estimate the costs and benefits of commercially valuable invasive species

			Bernie Dominiak	Stephen Johnson
2.00pm – 2.15pm	Development and validation of molecular diagnostic protocols to support quarantine and certification programs for Australian horticulture industries Fiona Constable	Biosecurity practices of Australian horse owners one year after the 2007 outbreak of equine influenza Kathrin Schemann	Enhancing New Zealand's animal identification and tracing systems: experiences developing a system for tracking and tracing cattle and deer Christopher Houston	Australia's weeds of national significance program: achieving the biosecurity continuum Hillary Cherry
2.15pm-2.30pm	Acaricide resistance in cattle ticks – current status, future trends and new technologies Louise Jackson	Public perceptions and conceptions of the human swine influenza A (H1N1) outbreak Navneet Dhand	Surveillance and capacity building for exotic plant pathogens in the Australian Cotton Industry Chris Anderson	Improving the integrity of exotic plant pest surveillance data with hand-held (PDA) Robert Emery
2.30pm – 2.45pm	Diagnostic tools to support quarantine pathology laboratories Linda Zheng	Village-level biosecurity for large ruminant transboundary disease risk management in northern Laos Peter Windsor	"Talking toads": community perceptions of the threat, impact and management of cane toads in northern Australia Anna Carr	Prospects for developing a mass-rearing facility for fruit fly parasitoids in Australia: an international viewpoint Olivia Reynolds nee Kvedaras
2.45pm – 3.00pm	Enhanced surveillance strategies for Grapevine Phylloxera Kevin Powell	Opportunity lost? Impacts of and responses to biosecurity breaches due to aquatic animal pathogens and their introduced hosts in Australia Richard Whittington	Biosecurity and taxonomic expertise Penelope Greenslade	Survival limits for Mediterranean fruit fly Francis De Lima
3.00pm – 3.30pm	Afternoon Tea Room: Mezzanine M3			
3.30pm – 4.15pm	Plenary 5			
	Chair: Room: Mezzanine M4			
	<i>Animal disease surveillance systems</i> Angus Cameron, AusVet Animal Health Services			
4.15pm – 6.00pm	Student Posters			
7.00pm for 7.30pm	Conference Dinner sponsored by Queensland University of Technology (QUT) Room: Plaza Ballroom			

Wednesday 3 March 2010

8.45am – 9.00am	Housekeeping			
9.00am – 9.45am	Plenary 6			
	Chair: Room: Mezzanine M4			
	<i>Risk analysis to safeguard agriculture and natural biological systems</i> Bob Griffin, APHIS- United States Department of Agriculture			
9.45am – 10.30am	Concurrent session 6			
	Threats	Drivers	Knowledge	Systems
	Chair: Room: Mezzanine M1	Chair: Room: Mezzanine M2	Chair: Room: Mezzanine M4	Chair: Room: Plaza P1
9.45am – 10.00am	Forecasting spread for rapid response James Bennett	Hendra virus – disease ecology and emergence Hume Field	Biosecurity: wicked problems, wicked solutions Byron Pakula	Multidisciplinary design and flight testing of a remote sensing airborne biosensor Felipe Gonzalez
10.00am – 10.15am	Risky business: synthesising expert judgements for environmental risk assessments Petra Kuhnert	Grains post entry quarantine – threats, pathways and prevention Brendan Rodoni	Modelling the establishment and spread of emergency plant pests (EPPs) in Australia: simulate or suffer Juan Jose Garcia Adeva	Trends in biosecurity risk assessment Mark Burgman
10.15am – 10.30am	Atypical BSE and atypical scrapie: a review of risks to human health, animal health and trade Reg Butler	Developing an ecological basis for managing the threat posed by phosphine resistant stored grain beetles in Australia Andrew Ridley	AUSFLU simulation modelling environment for pandemic influenza Sam Beckett	High-risk environmental ‘solutions’ involving invasive species Tim Low
10.30am – 11.00am	Morning Tea Room: Mezzanine M3			
11.00am – 12.30pm	Concurrent session 7			
	Threats	Drivers	Knowledge	Systems
	Chair: Room: Mezzanine M1	Chair: Room: Mezzanine M2	Chair: Room: Mezzanine M3	Chair: Room: Plaza P1
11.00am – 11.15am	Species traits associated with environmental and economic impact of plant pests Therese Pluess	Gaps in vertebrate pest biosecurity that need plugging Tony Peacock	DNA barcoding, an emerging global standard for species identification, could revolutionise biosecurity diagnostics Andrew Mitchell	Modelling biosecurity risks: more complexity or back to basics? David Jordan

11.15am – 11.30am	Assessing the robustness of risk maps and survey networks to knowledge gaps about new invasive pests Denys Yemshanov	Grapevine Phylloxera: genotypic diversity and implications for management of incursions Kevin Powell	Next-gen molecular readout systems for biosecurity Bronwyn Battersby	Improving the quality of qualitative risk assessments Mark Burgman
11.30am – 11.45am	Assessing spatial patterns of disease risk to biodiversity: implications for the management of the Amphibian Pathogen, Batrachochytrium dendrobatidis Kris Murray	Building resilience into the sugarcane agroecosystem: Preparing for Chilo Sacchariphagus in South Africa Stuart Rutherford	Development of nationally endorsed diagnostic protocols for plant pests Barbara Hall	Reconciling quantitative and qualitative approaches to import risk assessment Simon Barry
11.45am – 12.00pm	Can we build better spatial temporal models of pest insect incursions? A trial using TOPS John Weiss	Risk analysis for surra in Australia: some pieces of the puzzle Kirsty Moynihan	Guidelines for developing identification resources for plant protection and quarantine: accessibility, appropriateness, and circumscription Terrence Walters	Biologically inspired computing provides add-ons for pest risk assessment in Biosecurity Susan Worner
12.00pm – 12.15pm	Are scavenging ducks a biosecurity risk for HPAI spread and infection? Joanne Meers	Emerging disease threats to protected cropping vegetable and ornamentals Len Tesoriero	Categorisation of pests under the Emergency Plant Pest Response Deed (EPPRD) Sophie Peterson	Risk-return approach to biosecurity risk management: the role of the EpiCast model Don Gunasekera
12.15pm – 12.30pm	Risk analysis of virulent Newcastle disease associated with small landholders in Queensland, Australia Nina Kung	A proactive approach: risk assessment for the plant pathogen Xylella fastidiosa Anne Rathe	Australia's EPP diagnostic database: the plant biosecurity toolbox Amy Carmichael	Pest risk prioritization using Deliberative Multi-Criteria Evaluation (DMCE): a case study Michael Hurley
12.30pm – 1.30pm	Lunch Room: Mezzanine M3			
1.30pm – 3.00pm	Concurrent session 8			
	Threats	Drivers	Knowledge	Systems
	Chair: Room: Mezzanine M1	Chair: Room: Mezzanine M2	Chair: Room: Mezzanine M4	Chair: Room: Plaza P1
1.30pm – 1.45pm	Optimised sampling, processing and testing for enhanced detection and characterisation of Avian Influenza Virus from field samples Simone Warner	Risk factors for the infection of horse premises by equine influenza in New South Wales Simon Firestone	Strategies to Increase plant biosecurity capacity in Australia Kirsty Bayliss	Hierarchical Bayesian models: epidemiology and data for delimiting invasions Mark Stanaway
1.45pm – 2.00pm	Taking the guess work out of diagnostics: targeting the host with a new multiplex diagnostic platform Ben Callaghan	Relationships between H7 avian influenza isolates from the five poultry outbreaks (1976-1997) in Australia Dieter Bulach	Training the next generation of plant biosecurity professionals – the North Carolina experience Bob Griffin	Ecological simplification is bad for one('s) health: an Australian perspective Ro McFarlane

2.00pm – 2.15pm	Beyond ELISA: high throughput plant virus detection via multiplexed bead-based immunoassays Jill Meldrum	Reducing the impact of eradication for exotic grapevine pathogens Mark Sosnowski	Biosecurity education initiatives in the US Animal and Plant Health Inspection Service Jennifer Nicholson	Testing a self organising map in a virtual world of invasive species Dean Paini
2.15pm-2.30pm	Can we use CSI methods to detect fungal spores on clothing? Dominie Wright	Tbc	Investigating plant pests just got fun! - plant biosecurity in school classrooms Kirsty Bayliss	Comparative assessment of the biosecurity risks associated with small and large scale pig producers Jenny-Ann Toribio
2.30pm – 2.45pm	Hyperspectral imagery for plant pest recognition Pattaraporn Khuwuthyakorn	Tall wheat grass and other invasive salinity 'solutions' Carol Booth	Issues and design challenges in building a biosecure live bird market in Hanoi John Weaver	Developing a paradigm for integrated insect eradication in orchard, urban and peri-urban areas Bill Woods
2.45pm – 3.00pm	Systematics of the Macropsinae (Hemiptera: Cicadellidae) leafhoppers of Australia Linda Semeraro	Trapping strategies for Mediterranean fruit fly in Australia Francis De Lima	tbc	Community engagement in biosecurity – success in six horticultural case studies Heleen Kruger
3.00pm	Closing Ceremony Room: Mezzanine M4			

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