

# 2019 Australian Biosecurity Symposium

12-13 June 2019 • Gold Coast



## Program

#BioSym2019





# Exotic pests and diseases can impact Australia's unique environment, our way of life and economy

We all need to be biosecurity aware when travelling, enjoying our parks, bushland and waterways.

To find out more about what you can do to stop the introduction and spread of pests and diseases visit [agriculture.gov.au/biosecurity/biosecurity-matters](http://agriculture.gov.au/biosecurity/biosecurity-matters).



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### For enquiries:

E: [symposium@animalhealthaustralia.com.au](mailto:symposium@animalhealthaustralia.com.au)

W: [www.biosym.com.au](http://www.biosym.com.au)

FB: [@AusBioSym](https://www.facebook.com/AusBioSym)

Jackie Poyser - 0410 994 410

Danika Barnard - 0447 007 806

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## About us

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**Kathleen Plowman, CEO, AHA**

Animal Health Australia (AHA) is a not-for-profit public company that facilitates innovative partnerships between governments, major livestock industries and other stakeholders to protect animal health and the sustainability of Australia's livestock industry.



**Andrew Cox, CEO, ISC**

Invasive Species Council (ISC) was formed in 2002 to keep the Australian environment safe from weeds, feral animals and other harmful invaders and focuses on prevention and early action.



**Andreas Glanznig, CEO, CISS**

Centre for Invasive Species Solutions (CISS) is a national collaborative research, development and extension organisation, formed to tackle the ongoing threat from invasive species.

## Welcome

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AHA, ISC and CISS would like to welcome you to the inaugural *Australian Biosecurity Symposium*.

Focusing on preventative biosecurity practices, this Symposium will support outside-of-the-box thinking and the exchange of knowledge and ideas across the biosecurity collective - agriculture (animals and plants), weeds, pest animals, wildlife, aquatics and the environment.

Australia's biosecurity system faces unprecedented pressure. To address this pressure, strong leadership and innovation is essential. Our Symposium provides the ideal platform to explore how to transform Australia's biosecurity systems to better protect our economy, environment and way of life.

Featuring talks from leading industry experts in research and innovation, environmental and business risk management, technology, and behavioural science, as well as a signature panel on the future of Australia's biosecurity system, this Symposium will offer the opportunity to network, develop new concepts, share and test ideas, build new partnerships and engage in challenging discussions that will help us shape the future of Australia's biosecurity system.

On behalf of AHA, ISC and CISS we thank you for your participation at the *Australian Biosecurity Symposium*.



## Information

### Event Support

For assistance during the Symposium please visit the Registration Desk in the foyer or seek out one of the friendly Event Support staff (they will be wearing a red polo shirt with 'Event Support' on the back).

Alternatively, contact:

- Jackie Poyser - 0410 994 410
- Danika Barnard - 0447 007 806

### Venue

Crowne Plaza, Surfers Paradise  
2807 Gold Coast Highway, Gold Coast

P: (07) 5592 9900

[www.crowneplazasurfersparadise.com.au](http://www.crowneplazasurfersparadise.com.au)

### Follow the action

Join the conversation during the Symposium by using #BioSym2019 across all social media.

Follow these simple steps to go in the running to win a prize:

1. Snap a photo in front of our ivy wall or use the cardboard frames that will be circulating around the Symposium.
2. Post it to Facebook, Twitter or Instagram using #BioSym2019.

### Wi-Fi

Free Wi-Fi is available throughout the venue. To access:

1. Go to the Wi-Fi settings on your device.
2. Select the 'Crowne Plaza Conference Wireless' network.
3. Choose the 'Visitors' tab.
4. Enter password: BIOSECURITY

### Registration

Please visit the Registration Desk in the foyer to collect your registration pass during the following times:

- Tuesday 11 June - 4:00pm-7:00pm
- Wednesday 12 June - From 8:00am
- Thursday 13 June - From 8:00am

### Lanyard

Please wear your lanyard at all times to ensure your access to sessions and admittance to the dinner (if purchased).

### Catering breaks

All breaks will be held in the Trade area near the foyer.

### Session seating

Please ensure you are seated five minutes before the allocated start time for each session.

### Transport

Taxis can be booked at Crowne Plaza's Reception. Light rail and Uber options are also available. The light rail schedule can be found at [www.ridetheg.com.au](http://www.ridetheg.com.au).

### Photography

By registering, participants acknowledge and consent that during their attendance at the Symposium their image or voice may be recorded via video, photograph or by any other means, which may be distributed or published at the discretion of the organisers of the Symposium. If you do not wish to be recorded, you are required to formally advise the organisers in advance by contacting [symposium@animalhealthaustralia.com.au](mailto:symposium@animalhealthaustralia.com.au).

## Social events

### Tues 11 June

#### Welcome reception

5:30pm-7:00pm

Pool area, Crowne Plaza

Proudly sponsored by



### Wed 12 June

#### ISC pre-dinner event (RSVP only)

5:15pm-6:15pm

SIFU room, Crowne Plaza

Proudly sponsored by



### Wed 12 June

#### Symposium dinner

6:30pm-10:30pm

Norfolk room, Crowne Plaza

Proudly sponsored by



### Wed 12 and Thu 13 June

#### Morning activity

6:00am

Meet in the Crowne Plaza foyer



## Full program

The abstracts for each presentation are available online at [www.biosym.com.au/program](http://www.biosym.com.au/program)

## Presentation types

**Oral:** Presenters will have 20min (including discussion) to discuss aims and conclusions of their work.

**Speed:** A unique format with presenters discussing their work in 7mins (including discussion).

**Panel:** A diverse panel of presenters debating an issue related to a Symposium theme for 40min (including discussion).

## Posters

Posters will be available for viewing during break times in the Trade area. Posters will be eligible to win the 'People's Choice' award. Vote for your favourite poster by using the voting card in your satchel and placing it in the box next to the poster display. The winner will be announced at the Symposium summary.

## Themes

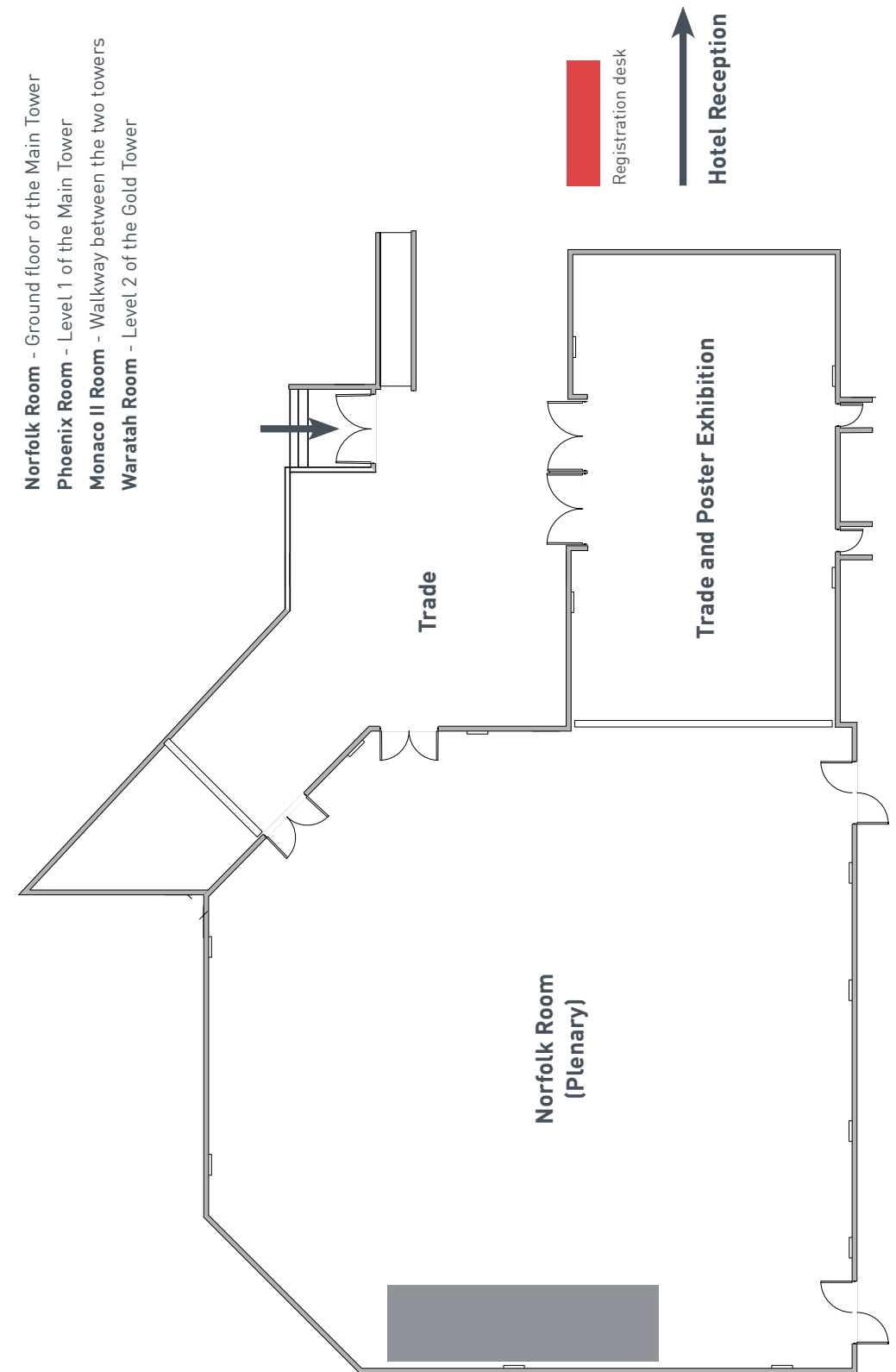
The presentations and posters align with the four key Symposium themes. Please refer to the key below to see which theme each presentation aligns under:

- Future-proofing biosecurity
- Transformative technology
- International insights: making a difference
- Behaviour change for better biosecurity

## Feedback

We'd love to hear what you thought about the Symposium! At the conclusion of the event, a survey will be shared with attendees to help us make the event bigger and better when we return in 2021.

## Floorplan





# Acknowledgements

A special thanks to the following committees for making this Symposium possible.

## Management Committee



**Kathleen Plowman**  
CEO, AHA



**Andrew Cox**  
CEO, ISC



**Andreas Glanznig**  
CEO, CISS



**Jackie Poyser**  
Executive Manager,  
Communications and  
Training, AHA



**Ian McDonald**  
Communications  
Manager, CISS

## Working Group

- Jackie Poyser



**Danika Barnard**  
Communications  
Coordinator, AHA



**Alannah Andreini**  
Communications  
Officer, AHA



**Ashleigh Wildridge**  
Research Development  
& Extension  
Coordinator, AHA

## Technical Committee

- Kathleen Plowman
- Andrew Cox
- Andreas Glanznig



**Bruce Christie**  
Deputy Director  
General, NSW  
Department of Primary  
Industries Biosecurity  
and Food Safety



**Rupert Woods**  
CEO, Wildlife Health  
Australia



**Andrew Robinson**  
Director, Centre  
of Excellence for  
Biosecurity Risk  
Analysis



**Gary Fitt**  
Science Director,  
CSIRO Health and  
Biosecurity



**Robyn Martin**  
First Assistant  
Secretary, Biosecurity  
Animal Division,  
Australian Government  
Department of  
Agriculture



**Martyn Jeggo**  
Chair, AusGem  
Governing Board



**Ian Thompson**  
Chief Environmental  
Biosecurity Officer,  
Australian Government  
Department of  
Agriculture



**John Robertson**  
General Manager,  
Biosecurity  
Queensland



**Hillary Cherry**  
Senior Weeds Officer,  
NSW National Parks  
and Wildlife Service



**Tory Ludowici**  
Biosecurity Planning  
Coordinator, Plant  
Health Australia

## Meet our keynotes



**Costa Georgiadis, Symposium MC**  
Host, ABC's *Gardening Australia*

### Wednesday 12 June

Day 1



**Hugh Bradlow**  
President, Australian Academy of Technology and Engineering



**Julia Martin**  
General Manager, Chevron Australia

### Thursday 13 June

Day 2



**Don Hine**  
Professor of Psychology, School of Psychology, University of New England



**Roger Smith**  
Head of Biosecurity, Chief Operations Officer, Biosecurity New Zealand



**Beth Woods**  
Director-General, Queensland Department of Agriculture and Fisheries



**Lyn O'Connell**  
Deputy Secretary, Australian Government Department of Agriculture

# Stay CONNECTED

Join Australia's fastest growing biosecurity Facebook network [@BiosecurityQld](https://www.facebook.com/BiosecurityQld)

Subscribe for news on the latest initiatives and innovations – [biosecurity.qld.gov.au](https://biosecurity.qld.gov.au)  
Be notified about incidents as they happen – [daf.qld.gov.au/alerts](https://daf.qld.gov.au/alerts)

Connect with us at the Symposium—visit us at our trade display.

[biosecurity.qld.gov.au](https://biosecurity.qld.gov.au) [13 25 23](tel:132523)



CS9225 04/19

## Environmental Biosecurity @ JCU

James Cook University is a world class, research-intensive institution with a strategic intent focused on discoveries and graduates that make a difference in the tropics worldwide. With Tropical North Queensland defined as a biosecurity hotspot, JCU strives to meet the present and future Environmental Biosecurity challenges for this region. JCU provides expertise and capacity in prevention and monitoring of biosecurity threats and responding to outbreaks and incursions.

Email: [jcuconnect@jcu.edu.au](mailto:jcuconnect@jcu.edu.au)  
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# 2019 Australian Biosecurity Symposium Pre-event

**Tuesday 11 June**

**Welcome reception**

**5:30pm-7:00pm**

*Pool area, Crowne Plaza*

**MC:** Peter Milne, Chair, AHA with  
Graeme Hamilton, Vice President, ISC and  
Helen Cathles, Chair, CISS

**Welcome address:** Tracie Carnovale,  
Carnovale Recruitment

Join us at the launch of the Symposium – collect your registration ahead of the crowd and relax and network with fellow delegates over canapes and drinks.

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# 2019 Australian Biosecurity Symposium

**Day 1**

**Wednesday 12 June**

**9:00-11:00am**

*Plenary (Norfolk)*

**9:00-9:45am**

**Introduction**

- **Introduction:** Costa Georgiadis, Symposium MC
- **Welcome to Country:** Stacie Fogarty
- **Symposium launch:** Andrew Cox, CEO, ISC

**9:45-10:25am**

**Chair:** Costa Georgiadis

**Keynote: Digital technology disrupts everything - including biosecurity**

**Presenter:** Hugh Bradlow, Australian Academy of Technology and Engineering

*Hugh will demystify emerging digital platforms, examining both their opportunities and limitations and considering their use in various industries to improve biosecurity.*

**10:25-11:00am**

**Morning tea**

*(Poster viewing will be available during this time in the Trade area)*



# Day 1

Wednesday 12 June

11:00-1:10pm

	Plenary (Norfolk)	Phoenix	Monaco II	Waratah
	<b>Transdisciplinary learnings and insights</b> Chair: Andrew Cox	<b>Digital detection - one step ahead</b> Chair: Len Stephens	<b>Alien species vs biosecurity super heroes</b> Chair: Ian Thompson	<b>Forensic surveillance - the first line of defence</b> Chair: Richard Price
<b>11:00-11:20am</b>	<i>Transforming Australia's biosecurity system: insights from the health system</i> <b>Rob Grenfell</b>	<i>Using technology and computational science to improve pest animal detection and identification in biosecurity monitoring</i> <b>Paul Meek</b>	<i>Mexico's bottom-up approach to formulate Island Biosecurity Protocols</i> <b>Mariam Latofski-Robles (Mexico)</b>	<i>Environmental DNA technologies for biosecurity</i> <b>Dianne Gleeson</b>
<b>11:20-11:40am</b>	<i>A multi-stakeholder approach to improve biosecurity in Mexico</i> <b>Georgia Born-Schmidt (Mexico)</b>	<i>Integrating passive and active surveillance tools for biosecurity surveillance</i> <b>Peter Caley</b>	<i>One Biosecurity: the South Australian approach to addressing the challenges of market access assurance and equipping producers to meet 21st century biosecurity demands</i> <b>Cleopas Bamhare and Andrew Ewers</b>	<i>Implementation of molecular detection methods in marine pest surveillance</i> <b>James Forwood</b>
<b>11:40-12:00pm</b>	<i>Using social sciences to better understand biosecurity challenges in the egg industry</i> <b>Marta Hernandez-Jover</b>	<i>Automating field monitoring and deterring systems for enhanced wildlife pest management practices</i> <b>Ashley Tews</b>	<i>The Plant Biosecurity Research Initiative: collaboration across plant sectors for enhanced biosecurity RD&amp;E</i> <b>Jo Luck</b>	<i>Pet or pest? New application of stable isotope methods for the early detection of invasive alien species</i> <b>Katherine Hill</b>
<b>12:00-12:20pm</b>	<i>Can transdisciplinary approaches future-proof Australia's biosecurity?</i> <b>Wilna Vosloo, Yiheyis Maru and Corissa Miller</b>	<i>CropSafe: Victoria's 'eyes in the field' surveillance system for the grains industry</i> <b>Luise Sigel</b>	<i>No super hero wanted to prevent invasive species</i> <b>Matt Morrison (USA)</b>	<i>DiagamiRs - detecting disease by targeting the host</i> <b>Cameron Stewart</b>
<b>12:20-1:10pm</b>	<b>Lunch</b> <i>(Poster viewing will be available during this time in the Trade area)</i>			

■ Oral 
 ■ Speed 
 ■ Panel 
 ● Future-proofing biosecurity 
 ● Transformative technology 
 ● International insights: making a difference 
 ● Behaviour change for better biosecurity

# Day 1

Wednesday 12 June

1:10-3:40pm

	Plenary (Norfolk)	Phoenix	Monaco II	Waratah
<b>1:10-1:50pm</b>	<b>Chair: Costa Georgiadis</b> <b>Keynote: Barrow Island and beyond - industry-led biosecurity innovation in pursuit of excellence</b> <b>Presenter: Julia Martin, Chevron Australia</b> <i>Julia will present an overview of Chevron's systematic risk-based approach to biosecurity management, with particular reference to innovative practices applied to the company's operations on Barrow Island (Australia) and in the Caspian Sea.</i>			
	<b>Lights, camera, action! Driving behaviour change</b> Chair: Ian McDonald	<b>Risk-based objectives - are we winning?</b> Chair: Andrew Robinson	<b>Playing the eradication game</b> Chair: John Robertson	<b>Disease prevention - the race to respond</b> Chair: Robyn Martin
<b>1:50-2:10pm</b>	<i>Moving to action to prevent the spread of invasive species</i> <b>Ken Donnelly (Canada)</b>	<i>Estimating the monetary value of Australia's biosecurity 'system'</i> <b>Aaron J Dodd</b>	<i>Weed prevention and eradication: mobilizing action at the 'pointy end' of the invasion curve</i> <b>Hillary Cherry</b>	<i>The race is on: managing Panama disease tropical race 4 in far-north Queensland</i> <b>Rhiannon Evans</b>
<b>2:10-2:30pm</b>	<i>Biosecurity communications: driving behaviour change to minimise risk</i> <b>Victoria Greentree</b>	<i>Growing agricultural export markets by modernising biosecurity</i> <b>Rieks van Klinken</b>	<i>Tools for developing cost-effective decisions for managing invasive pest eradications</i> <b>David Ramsey</b>	<i>Inferring outbreak transmission networks</i> <b>Simon Firestone</b>
<b>2:30-2:50pm</b>	<i>Transforming Biosecurity Queensland's engagement capabilities through digital targeting</i> <b>Chris Hollingdrake</b>	<i>More than just pulling weeds: the essential role of civil society in biosecurity</i> <b>Andrew Cox</b>	<i>Weed eradication: history of adaptive management combined with innovative game-changers are poised to improve success rates</i> <b>Steve Csurhes</b>	<i>Intercepting animal disease risks approaching Australia</i> <b>Helen Scott-Orr</b>
<b>2:50-3:10pm</b>	<i>The benefits and challenges of effective community engagement: moving beyond surveillance</i> <b>Lori Lach</b>	<i>The Biosecurity Plan Builder: promoting uptake of biosecurity planning amongst dairy farmers</i> <b>Sarah Chaplin</b>	<i>Environmental benefits of biosecurity policies</i> <b>Kasia Mazur</b>	<i>From go to woe: would a rabies incursion spread in northern Australia?</i> <b>Michael Ward</b>
<b>3:10-3:40pm</b>	<b>Afternoon tea</b> <i>(Poster viewing will be available during this time in the Trade area)</i>			

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# Day 1

Wednesday 12 June

3:40-5:00pm

	Plenary (Norfolk)	Phoenix	Monaco II	Waratah
	<b>Climate proofing biosecurity</b> Chair: Christine Milne	<b>Biosecurity and human health - risks and preparedness</b> Chair: Sam Allan	<b>Optimising policy decisions and investment</b> Chair: Andrew Robinson	<b>Post-truth phenomenon - leadership and engagement</b> Chair: Lachlan Drummond
<b>3:40-4:00pm</b>	<i>Climate change implications for biosecurity</i> Mark Howden	<i>Salmonella Enteritidis - its importance to business and public health</i> Sarah Britton	<i>Science-based economic analysis and biosecurity policy in Australia</i> Jay Gomboso	<i>From broadcast to narrowcast: tailoring information for our audience</i> Ryan Diessel
			<i>Economic value of freedom from Equine Influenza</i> Ahmed Hafi	<i>The new Qld Biosecurity Act 2014 - what have we learned? What needs to change?</i> Bronwyn Fargher
			<i>Interactive dashboards for effective biosecurity monitoring, reporting and evaluation</i> Jens Froese	<i>Immunising biosecurity policy, research and practice in a post-truth world</i> Richard Price
<b>4:00-4:20pm</b>	<i>How will climate change impact biosecurity in New South Wales?</i> William Cuddy	<i>Lessons from international settings for Australian biosecurity: the case of a multi-sectoral one-health approach to zoonotic diseases</i> Sarah-Jane Wilson	<i>Measuring biosecurity system effectiveness</i> Andrew Cox	<i>Understanding stakeholder motivation to better influence their behaviour</i> Maria Hauff
			<i>National priority pest list of exotic environmental pests and diseases</i> Jess Evans	<i>Improving biosecurity surveillance in plant industries: case-study of the production nursery industry</i> Barton Loechel
			<i>What should we be looking for? Prioritising insect pests and pathways to Australia</i> Melodie McGeoch	<i>Evaluation of social media engagement strategies relevant to Australian biosecurity and alien wildlife trade</i> Adam Toomes
<b>4:20-5:00pm</b>	<i>Climate-proofing Australia's biosecurity system</i> Facilitator: Christine Milne Panellists: Wendy Craik, Will Cuddy, Mark Howden and Julia Martin	<i>Are we prepared for a Q fever outbreak?</i> Facilitator: Sarah Britton Panellists: Jane Heller, Kiera Glasgow and Simon Firestone	<i>What does the Global Burden of Animal Diseases Program mean to biosecurity in Australia?</i> Mieghan Bruce	<i>Is anybody listening? How to rise above the uproar in the digital era</i> Facilitator: Tim Lester Panellists: Rachael O'Brien, Ian McDonald, Emily Rucker and Robbie Sefton
			<i>Optimising biosecurity investment and effort</i> Melissa Welsh (NZ)	

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## 2019 Australian Biosecurity Symposium Evening social program

Wednesday 12 June

### ISC pre-dinner event (RSVP only)

5:15pm-6:15pm

SIFU Room, Crowne Plaza

Join us for the launch of the results of the Insect Risks and Pathways Project, a joint initiative of ISC and Monash University.

### Symposium dinner

6:30pm-10:30pm

Norfolk Room (Plenary), Crowne Plaza

**Presenters:** Andreas Glanznig, CEO, CISS; Costa Georgiadis, Symposium MC, and Ian Thompson, Australian Government Department of Agriculture

Network with members of the biosecurity collective alongside a three-course meal.

Pre-dinner event sponsored by



Symposium dinner sponsored by





# Day 2

Thursday 13 June

8:30-9:45am

Plenary (Norfolk)

This session is proudly sponsored by



8:30-8:45am

**Session Chair:** Costa Georgiadis  
**Introduction:** Kathleen Plowman, CEO, AHA

8:45-9:25am

**Keynote: The role of behaviour change in managing Australia's biosecurity challenges**  
**Presenter:** Don Hine, School of Psychology, University of New England

Don will discuss how behavioural sciences can be applied to change behaviour and empower landholders to meet their biosecurity obligations.

9:25-9:45am

**Presentation: New tricks for old dogs - innovative training for Australian biosecurity detector dogs**  
**Presenter:** Jeff Smith, Australian Government Department of Agriculture

This presentation will highlight how the Australian Government Department of Agriculture keeps their detector dog fleet ready to respond to and detect the constantly evolving threats to Australian biosecurity. Turns out you can teach an old dog new tricks.

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# Day 2

Thursday 13 June

9:45-11:15am

Plenary (Norfolk)

Phoenix

Monaco II

Waratah

**Caring for our country**  
**Chair: Wayne See Kee**

**Matching policy to future thinking**  
**Chair: Simon Humphrys**

**Changing mindsets to motivate change**  
**Chair: Helen Cathles**

**Detecting invasion through non-traditional surveillance**  
**Chair: Carol Booth**

9:45-10:05am

*The doorway into Australia*  
**Fred Gela**

*Moving towards a national sterile insect technique future for fruit fly control in Australia: policy considerations, research and extension*  
**Will Zacharin**

*Two steps forward, no steps back: growing our industry through collaboration*  
**Helen Jenkins**

*Is this pest established or not? Non-traditional diagnostics inform incursion responses about immediate risk*  
**Karen Armstrong (NZ)**

10:05-10:25am

*Making biosecurity more meaningful for Indigenous communities*  
**Ron Glanville and Danny Mosby**

*Risks to Australia's biosecurity from the trade of ornamental fish*  
**Joy Becker**

*Biosecurity learnings from a Queensland commercial fishing perspective*  
**Eric Perez**

*Essential biodiversity informatics for evidence-based decisions on biological invasions*  
**Melodie McGeoch**

10:25-10:32am

*One Health-focused companion animal veterinary services assist in mitigating biosecurity threats in remote Indigenous communities*  
**Bonny Cumming**

*Insect farming is here, but are we ready for it?*  
**Olympia Yarger**

*Wildlife drones: translating innovative sensor technology into an advanced animal tracking tool for land managers*  
**Debbie Saunders**

*Plant invasive biogeography, or the need to study invasives in their native and non-native ranges*  
**Daniel Montesinos**

10:32-10:39am

Title TBA  
**Wayne See Kee**

*Verification of irradiation treatment on fresh horticultural produce and insect pests*  
**Karine Caron**

*Using behaviour science to maintain resilience of Queensland's biosecurity system*  
**Stephanie Keir**

*En garde: biosecurity begins with fencing*  
**Richard Le Lievre**

10:39-11:15am

**Morning tea**  
*(Poster viewing will be available during this time in the Trade area)*

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# Day 2

Thursday 13 June

11:15-1:05pm



	Plenary (Norfolk)	Phoenix	Monaco II	Waratah
	<b>Managing the effectiveness of biosecurity differently</b> Chair: Peter Milne	<b>Surfing the horizon - what lies ahead?</b> Chair: Helen Jenkins	<b>Technology and policy - the dynamic duo</b> Chair: Andreas Glanznig	<b>Targeted methods to create behaviour change</b> Chair: Sharon Starick
<b>11:15-11:35am</b>	<i>Using science and technology to futureproof biosecurity on Barrow Island</i> Johann van der Merwe	<i>Managing translocation risk for aquatic animals in NSW</i> Debra Doolan	<i>New kids on the block: balancing environmental and economic priorities</i> Michelle Christy and Ian Thompson	<i>Biosecurity: managing the mental game</i> Aditi Mankad
<b>11:35-11:55am</b>	<i>Bad biosecurity behaviour or rational reaction to rules? Aligning stakeholder incentives through insurance</i> Susie Hester	<i>No swimming allowed: preventing the spread of invasive fishes in western Canada</i> Brian Heise (Canada)	<i>Insights from global interception data for predicting establishment risk</i> Rebecca Turner (NZ)	<i>Zoos and aquariums – we speak to the world!</i> Andrea Reiss
<b>11:55-12:15pm</b>	<i>Stopping the spread of invasive species with behavioural psychology</i> Ken Donnelly (Canada)	<i>Bay of Plenty Regional Council's approach to freshwater biosecurity in the Rotorua Lakes, NZ</i> Lucas MacDonald (NZ)	<i>Principles of probabilistic risk assessment for novel biocontrol technology</i> Keith Hayes	<i>Do truckies care about bugs? A human-centred design approach to influencing biosecurity behaviours in transporters</i> Isabella Wallington
<b>12:15-1:05pm</b>	<b>Lunch</b> (Poster viewing will be available during this time in the Trade area)			

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# Day 2

Thursday 13 June

1:05-3:05pm

	Plenary (Norfolk)	Phoenix	Monaco II	Waratah
	This session is proudly sponsored by  Queensland Government			
<b>1:05-2:05pm</b>	<b>Chair:</b> Costa Georgiadis <b>Keynote Panel: The current state of play</b> <b>Keynote Panellists:</b> Beth Woods, Queensland Department of Agriculture and Fisheries, Lyn O'Connell, Australian Government Department of Agriculture and Roger Smith, Biosecurity New Zealand Panellists will discuss the current state of biosecurity in Aus and NZ and how the two nations will mitigate risks over the next 3-5 years.			
	This session is proudly sponsored by  NSW Department of Primary Industries			
	<b>Rise of peri-urbanisation - engaging our citizens</b> Chair: Bruce Christie	<b>Border biosecurity - smarter approaches</b> Chair: David Palmer	<b>Translating biosecurity into practice on-farm</b> Chair: Kathleen Plowman	<b>Training to a better future</b> Chair: Paula Fitzgerald
<b>2:05-2:25pm</b>	<i>Citizen scientists as early detectors of priority exotic plant pests in urban environments</i> Jessica Lye	<i>Undelivered risk: a counter-factual analysis of the biosecurity risk avoided by inspecting international mail</i> Andrew Robinson	<i>Engaging farmers in biosecurity practices: challenges and pathways</i> Marta Hernandez-Jover	<i>LAMP in Victoria – Footrot lights the way</i> Nickala Best
	<i>"Tools of engagement" for positive biosecurity behaviour change in peri-urban areas</i> Nicole Schembri			
	<i>Biosecurity risk of smallholder pigs in peri-urban Sydney</i> Graham Wilson			
<b>2:25-3:05pm</b>	<i>Adelaide's urban animal and plant control program – keeping authorised officers abreast of preventative biosecurity trends</i> Susan Ivory	<i>Smarter border biosecurity: a strategic risk-based approach to allocating effort</i> Facilitator: Costa Georgiadis Panellists: Robyn Martin, Christine Reed (NZ), Andrew Robinson and Ian Thompson	<i>Unlocking the key to better biosecurity practices: are we getting it right?</i> Facilitator: Jackie Poyser Panellists: Ian McColl, Tess Herbert, Melinee Leather and Edward Storey	<i>Emergency animal disease training – lessons learnt and where to from here?</i> Facilitator: Paula Fitzgerald Panellists: Ashley Cooper, Sam Hamilton and Claire Petterson
	<i>Peri-urban panel</i> Facilitator: Bruce Christie Panellists: Jessica Lye, Nicole Schembri, Graham Wilson and Susan Ivory			

■ Oral 
 ■ Speed 
 ■ Panel 
 ● Future-proofing biosecurity 
 ● Transformative technology 
 ● International insights: making a difference 
 ● Behaviour change for better biosecurity



3:05-3:25pm

**Afternoon tea***(Poster viewing will be available during this time in the Trade area)*

3:25-4:15pm

**Chair:** Robbie Sefton, Seftons and the National Rural Press Club**Signature Panel: Future-proofing Australia's biosecurity system****Panellists:**

- Andrew Cox, ISC
- Andreas Glanznig, CISS
- Lyn O'Connell, Australian Government Department of Agriculture
- Kathleen Plowman, AHA
- Roger Smith, Biosecurity New Zealand

*Panellists will discuss what transformational change Australia needs over the next decade to meet the challenges facing the national biosecurity system.*

4:15-4:30pm

**Symposium summary - where to next?**

- Kathleen Plowman, CEO, AHA
- Andrew Cox, CEO, ISC
- Andreas Glanznig, CEO, CISS

■ Oral 
 ■ Speed 
 ■ Panel 
 ● Future-proofing biosecurity 
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## Posters

Posters will be available for viewing during break times in the Trade area. Vote for your favourite poster by using the voting card in your satchel and placing it in the box in the poster display area.

1	<b>Abandoned and neglected orchard biosecurity management in NSW</b> David Haslett	●
2	<b>Achieving biosecurity change through technology – the One Biosecurity online platform as an educational tool</b> Emma Rooke	●
3	<b>Australia’s recent history of vertebrate alien interceptions and the implications for emergent alien threats</b> Adam Toomes	●
4	<b>Baiting invasive ants using Australia’s largest drone</b> Benjamin Hoffman	●
5	<b>Bee initiatives shake-up awareness of Varroa Mite and American Foulbrood</b> Leonie Martin	●
6	<b>Biocheck® - is the biosecurity conversation as important as the written plan?</b> David Beggs	●
7	<b>Communicating biosecurity information to Australian-registered veterinary practitioners</b> Ian McDonald	●
8	<b>Communicating with Tasmanian Farmers to create meaningful culture change towards farm biosecurity</b> Mandy Bowling	●
9	<b>Developing and implementing biosecurity legislation compliance and enforcement training program</b> Fahri Fahri	●
10	<b>Horse owners’ behaviour: suspecting and reporting of Hendra virus cases</b> Barbara Moloney	●
11	<b>How prepared are your staff?</b> Charlie Bell	●

12	<b>Improving detection, investigation and management of emergency animal diseases</b> Tabita Tan	●
13	<b>Institutional innovations for effective biosecurity action in peri-urban Australia</b> Vivek Nemane	●
14	<b>National Sheep Health Monitoring Project – shifting from surveillance to a biosecurity and value chain productivity tool</b> Rob Barwell	●
15	<b>NSW Bee Biosecurity Officer promotes better disease management and regular surveillance of exotic bee pests</b> Rod Bourke	●
16	<b>Online trading of biosecurity matter and associated risks - a pilot study</b> Nicole Schembri	●
17	<b>Operationalising general surveillance for biosecurity - What does it take?</b> Marwan El Hassan	●
18	<b>Potential of dual-view multi-energy X-ray to detect animal health problems automatically and in real time</b> Cassius Coombs	●
19	<b>Producer motivations for and against engagement in surveillance</b> Lawrence Gavey	●
20	<b>Producer perspectives on initiative to reward engagement in surveillance in the market chain</b> Chris Corsbie	●
21	<b>Pros and cons of cross-sectoral RD&amp;E strategies</b> Ashleigh Wildridge and Tory Ludowici	●
22	<b>The biosecurity net is set in NSW</b> Nathan Cutter	●
23	<b>The future: horses and traceability</b> Lisa Burrows	●

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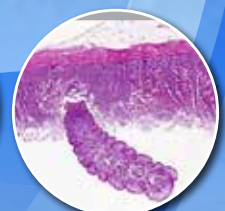
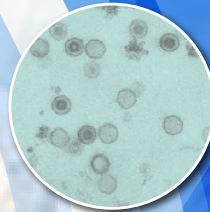
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