

2nd Australian Biosecurity Symposium

A decade of biosecurity: turning a moment into a movement

Draft Program

3-5 May 2022 • Gold Coast, Queensland



#BioSym2022





Australian Government
**Department of Agriculture,
Water and the Environment**



Biosecurity

**Play your part in helping
to protect Australia's
agriculture, environment
and way of life.**

biosecurity.gov.au



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For enquiries:

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T: (02) 6232 5522

#BioSym2022

Hosted by



Animal Health Australia 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.



Invasive Species Council 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.



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



Plant Health Australia is the national coordinator of the government-industry partnership for plant biosecurity in Australia. PHA works to minimise pest impacts on Australia, enhance market access and contribute to industry and community sustainability.

Welcome

Animal Health Australia (AHA), Invasive Species Council (ISC), the Centre for Invasive Species Solutions (CISS) and Plant Health Australia (PHA) are proud to welcome you to the 2nd *Australian Biosecurity Symposium*.

The Symposium will once again focus on preventative biosecurity practices and provide the opportunity to share research and innovation, explore outside-of-the-box thinking and exchange knowledge and ideas across the biosecurity collective – agriculture (animals and plants), pest animals, weeds, wildlife, aquatics, humans and the environment.

This year's theme is 'a decade of biosecurity: turning a moment into a movement.' 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.

The Symposium will offer the opportunity to influence the direction of Australia's future biosecurity system, network, develop new concepts, share and test ideas, build new partnerships and engage in challenging discussions that stimulate debate and energy. Don't miss out on the opportunity to engage with key decision makers, innovators, influencers and researchers in the Australian biosecurity sphere.

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



Kathleen Plowman
CEO, AHA



Andrew Cox
CEO, ISC



Andreas Glanznig
CEO, CISS



Sarah Corcoran
CEO, PHA



Information

Event Support

For assistance during the Symposium please visit the Registration Desk at the Royal Benowa Foyer or seek out one of the friendly Event Support staff (they will be wearing a red polo with “Event Support” on the back).

Alternatively, contact:

- Jackie Poyser: Event Manager - 0410 994 410
- Email - symposium@animalhealthaustralia.com.au

Venue

RACV Royal Pines Resort
Ross Street, Benowa, Queensland

P: (07) 5597 8700

E: royalpines@resorts.racv.com.au

W: [RACV Royal Pines](#) | [RACV](#)

Registration

Please visit the Registration Desk in the **Royal Benowa Foyer**, to collect your registration pass during the following times:

- Tuesday 3 May: 4pm-8pm
- Wednesday 4 May: From 7am
- Thursday 5 May: From 8am

Lanyard

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

Wi-Fi

All conference delegates can access free casual Internet at a speed of 10mbps upload and download. This WIFI service is not intended for large data. Speed will vary based on the number of users and configurations.

Full program

The abstracts for each presentation are available online at www.biosym.com.au/program

Themes

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

- Empowering action:** working together for transformational change
- Future-focused:** how science and tech are paving the way forward
- Connecting the dots:** enhancing the system and its resilience
- Mainstreaming biosecurity:** turning buzzwords into a way of life

Presentation types

Oral: Presenters will have 20 minutes (including questions) to discuss aims and conclusions of their work.

Speed: A unique format with presenters discussing their work in 7 minute (including questions).

Panel: A diverse panel of presenters debating an issue related to the Symposium theme for 40 minutes (including questions).

Social events

Tues 3 May

Welcome reception
6:00-8:00pm

Podium lawns

Proudly sponsored by



Wildlife Health
Australia

Wed 4 May

Symposium dinner
7:00pm-10:00pm

Royal Benowa Ballroom

Proudly sponsored by



Australian Government
Department of Agriculture,
Water and the Environment

Wed 4 May and Thur 5 May

Morning activity
7:00am

Meet at the RACV reception desk



Posters

Posters will be available to view in the trade area (Royal Benowa Foyer). 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 at the Symposium registration desk. The winner will be announced in the Symposium summary.

Follow the action

Join the conversation during the Symposium by using #BioSym2022 across all social media.

Catering breaks

All breaks will be held in the Trade Exhibition area in the Royal Benowa Foyer.

Session seating

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

Transport

Taxis can be booked at RACV's Reception. Uber options are also available.

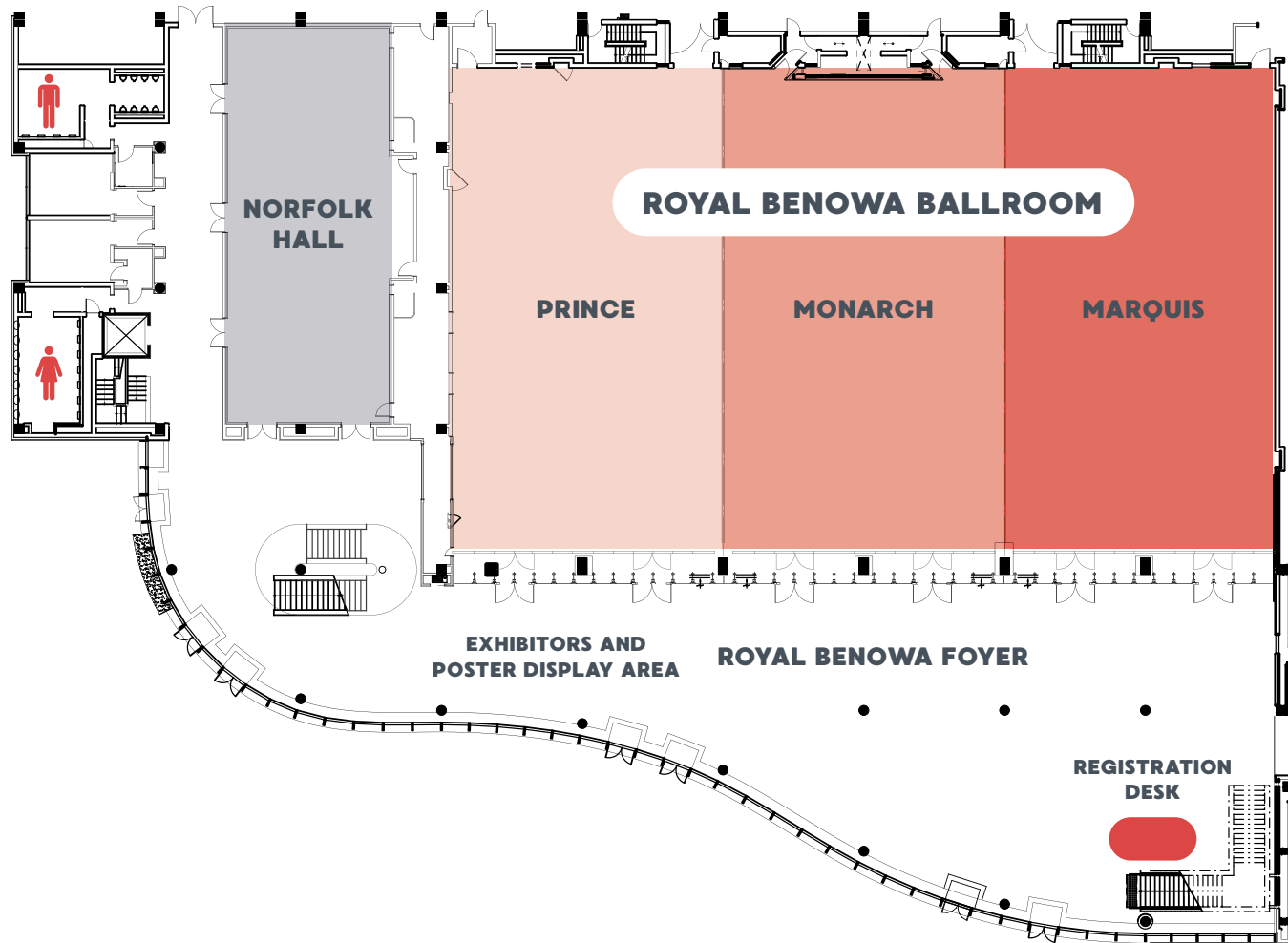
Photography

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 Australian Biosecurity 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.

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 even bigger and better when we return in 2023.

Floorplan



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

Acknowledgements

Management Committee



Jackie Poyser
(Chair)

Event Manager,
Three60 Consulting



Kathleen Plowman

CEO, AHA



Ian McDonald

Head of
Communications, AHA



Andrew Cox

CEO, ISC



Amber Sprunt

Director of Marketing
and Development, ISC



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Marketing and
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CEO, ISC

Chair: Andreas Glanznig

CEO, CISS

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Biosecurity Executive Director, WA Department of Primary Industries and Regional Development

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Senior Weeds Officer, National Parks and Wildlife Service

Robyn Cleland

Chief Environmental Biosecurity Officer, Commonwealth Department of Agriculture, Water and the Environment

Melinee Leather

Beef Producer, Barfield Station QLD

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Director Research and Innovation, Commonwealth Department of Agriculture, Water and the Environment

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Communications Coordinator, AHA

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Communications Coordinator, AHA

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Communications Coordinator, PHA

Meet our keynotes



Costa Georgiadis, MC

Eco-visionary, landscape architect and environmental educator

As co-creator and host of Costa's Garden Odyssey for SBS, Costa caught the attention of a nation. Since 2013, Costa has continued his journey as the much-loved host of one of the ABC's most iconic and Logie award-winning programs, Gardening Australia. Costa is an engaging and energetic presenter who has an all-consuming passion for plants and people. He is also deeply involved with the importance of biodiversity and habitat, regenerative agriculture, permaculture and holistic land practices evidenced in his book *Costa's World: Gardening for the Soil, the Soul and the Suburbs*.



Dr Anika Molesworth

Farming thought-leader, researcher and future shaper

Anika has made her mark as a young, female farmer tackling the world's biggest challenges. Anika is smashing the status-quo and inspiring thousands through engaging and empowering conversations and actions. Anika will draw on her experiences in 'empowering action' in the farming sector in relation to the impact of climate change on our farms, highlighting some wins and challenges she's faced in bringing about change.



Dr Norman Swan

Health journalist and host of RN's Health Report and Coronacast

Norman is a well-respected Australian health journalist, with an international career spanning more than three decades. A past Gold Walkley winner, Norman has shone a spotlight on public health issues across shows such as RN's Health Report, ABC's 7.30 Report, Four Corners and Coronacast - a daily podcast on the coronavirus Norman will share his experiences and knowledge in 'mainstreaming' important messages to a broad audience - bridging the gap from awareness to practice change. His address will provide delegates with key takeaways on how we can mainstream the importance of biosecurity practices, bringing about positive and sustained engagement from the broader population.



Dr Debbie Eagles

Deputy Director, Australian Centre for Disease Preparedness, CSIRO

Debbie is an epidemiologist with a background in vector-borne diseases and has extensive experience in animal health and biosecurity preparedness and response in Australia and the Asia Pacific region. Debbie will be highlighting how research and innovation is fundamental in transforming the national biosecurity system and how a transformed national biosecurity system needs to be underpinned digital and genetic surveillance systems supported by citizen science, big data analytics and fully integrated pre-border and post-border systems.

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
Phone: 07 4781 5011
jcu.edu.au



Cairns
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Pre-event

Tuesday 3 May

Registration opens

4:00pm

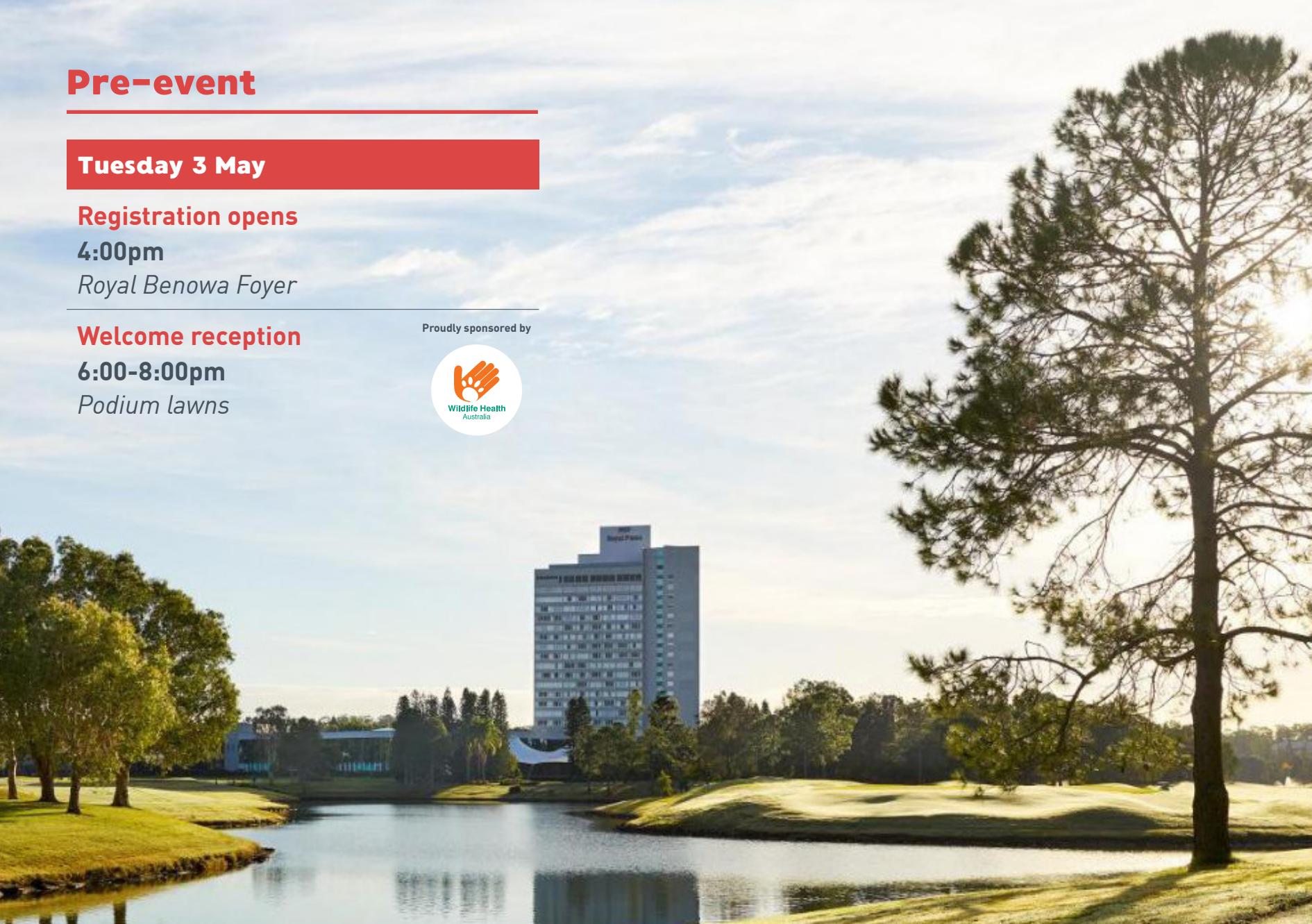
Royal Benowa Foyer

Welcome reception

6:00-8:00pm

Podium lawns

Proudly sponsored by



Podium lawns

7:00- 8:00am **Morning activity**

Royal Benowa Foyer

7:00am **Registration Opens**

PLENARY SESSION ONE - Proudly supported by the Commonwealth Department of Agriculture, Water and the Environment

Royal Benowa Foyer

9:00-10:45am **Introduction & Welcome to Country**

- **Introduction:** Costa Georgiadis, MC, Eco-visionary and landscape architecture
- **Welcome to country:** TBA
- **Symposium launch and Setting the scene:** Malcolm Letts, Chief Biosecurity Officer, Biosecurity Queensland and Kathleen Plowman, CEO, Animal Health Australia

9:45-10:45am **Empowering action: working together for transformational change**

Keynote: Dr Anika Molesworth, Farming thought-leader, researcher and future shaper

10:45-11:25am **Morning tea** (Poster viewing)

CONCURRENT SESSION ONE

| | Marquis Room | Monarch Room | Prince Room | Norfolk Hall |
|---------------|--|--|--|--|
| 11:25-12:45pm | <p>System overview Chair: Andrew Robinson</p> <p>Japanese encephalitis virus: the latest research, threat posed and emergency response to date David Williams</p> <p>Watch this space!</p> | <p>Surveillance: new thinking Chair: Len Stephens</p> <p>The need for a national integrated approach to wildlife trade surveillance and regulation Adam Toomes</p> | <p>Advances in e-DNA surveillance Chair: Geoff Grossell</p> <p>Watch this space!</p> <p>Simplifying environmental DNA field protocols for non-specialist use Damien Burrows</p> | <p>Behaviour change Chair: Lucy Tran-Nguyen</p> <p>Defining behaviour change priorities for biosecurity Kirsten Phillips</p> <p>Behavioural drivers and barriers to responsible keeping and disposal of ornamental fish Gayle Garbutt</p> |
| | <p>AnimalPLAN: Australia's National Plan for Terrestrial Agricultural Animal Health Kylie Hewson</p> | <p>Holding back the tide: science-based tools for biosecurity risk management and incursion response Jane Muller</p> | <p>Watch this space!</p> | <p>Making it easy to 'Garden Responsibly': an innovative, industry-led approach to a wicked biosecurity problem Aimee Freimanis</p> |
| | <p>Exotic Environmental Pests: addressing Persistent Risk Andrew Pearce</p> | <p>A network for the surveillance of land mammals: Integrating pest species as sentinels for coxiellosis Anne-Lise Chaber</p> | <p>eDNA meets remote sensing: novel approaches for weed surveillance Francisco Encinas-Viso</p> | <p>The Victorian Rabbit Action Network: our approach to barriers and incentives Heidi Kleinert</p> |
| | <p>Biosecurity is valuable; right? Aaron Dodd</p> | <p>Honey bee surveillance as a tool for integrated biosecurity John Roberts</p> | | |
| | | | | |

Cont'd

| | Marquis Room | Monarch Room | Prince Room | Norfolk Hall |
|--------------------------------|---|--|--|------------------|
| 11:25-12:45pm <i>Cont'd</i> | Estimating spillover risk through consideration of transmission processes <i>Maryam Golchin</i> | Boosting surveillance and diagnostic capacity for Australian plant production industries ■ ● <i>Madeleine Quirk and Sharika Johnson</i> | Watch this space! | ■ ● |
| | | | Developing a proof of concept using Cas12a and LAMP for in-field detection of <i>Xylella fastidiosa</i> <i>Thomas Farrall</i> | ■ ● |
| | | | A simple and rapid detection of pests and pathogens at the borders using MinION sequencing <i>Shamila Weerakoon Abeynayake</i> | ■ ● |

Royal Benowa Foyer

12:45-1:45pm **Lunch** (Poster viewing)

PLENARY SESSION TWO

Royal Benowa Foyer












1:45-2:25pm **Future-focused: how science and tech are paving the way forward**
Keynote: Dr Debbie Eagles, Deputy Director, CSIRO Australia Centre for Disease Preparedness

Cont'd

CONCURRENT SESSION TWO

| | Marquis Room | Monarch Room | Prince Room | Norfolk Hall |
|-------------|---|---|---|--|
| 2:30-3:30pm | <p>Modelling risk for resilient biosecurity systems Chair: Bruce Christie</p> <p>Optimal surveillance against bio-invasions: the sample average approximation method applied to an agent based spread model Tom Kompas</p> <p>■ ●</p> | <p>Shared responsibility Chair: Rob Barwell</p> <p>Shared responsibility for biosecurity: beyond educational and compliance-based approaches Vaughan Higgins</p> <p>■ ●</p> | <p>Advances in e-commerce surveillance Chair: David Gale</p> <p>Weed wide web: surveillance of online trade in declared plants Jacob Maher</p> <p>■ ●</p> | <p>General Chair: Carol Booth</p> <p>Shortcomings in Companion animal biosecurity and disease surveillance Sandra Steele</p> <p>■ ●</p> <hr/> <p>The invasive keyhole wasps: an aviation hazard Phillip Shaw</p> <p>■ ●</p> |
| | <p>Robust cost-effective portfolio allocation of managing an invasive species: an application of info-gap theory Yang Liu</p> <p>■ ●</p> | <p>Shared responsibility Rob Delane</p> <p>■ ●</p> | <p>Online compliance and engagement strategy tackles prickly situation Duncan Swan and Chris Hollingdrake</p> <p>■ ●</p> | <p>Using honey bees and genomics to monitor vegetation changes and detect multiple target species Liz Milla</p> <p>■ ●</p> |
| | <p>A high-level approach to assessing pests and pathways Andrew Robinson</p> <p>■ ●</p> | <p>Raiders of the Lost Arts: Research archaeology for biosecurity risk Les Kneebone</p> <p>■ ●</p> | <p>Watch this space!</p> <p>■ ●</p> | <p>The role and function of the APVMA in biosecurity responses: chemical regulation in emergency situations Leah Macdonald</p> <p>■ ●</p> |








Cont'd

| | Marquis Room | Monarch Room | Prince Room | Norfolk Hall |
|-------------------------------------|---|--|---|---|
| 2:30-3:30pm <i>Cont'd</i> | Watch this space!   | Watch this space!  | Friendly fire: The pet trade of native species outside of their natural distributions in Australia <i>Oliver Stringham</i>   | Improving the resilience of the biosecurity system: why should we care? <i>Edith Arndt</i>   |
| | | | Predicting desirability of alien pet birds based on species traits, attractiveness, and availability <i>Katherine Hill</i>   | Collaborations between the Bovine Tuberculosis Eradication Campaign and the Biosecurity Authority in Fiji from 2015 to 2020 <i>Anabel Garcia</i>   |

Royal Benowa Foyer

3:30-4:00pm **Afternoon tea** (Poster viewing)

CONCURRENT SESSION THREE

| | Marquis Room | Monarch Room | Prince Room | Norfolk Hall |
|--------------------|--|--|--|--|
| 4:00-5:00pm | Connecting the dots <i>Chair: James Tzesie</i> | Building resilience <i>Chair: Adam Pate</i> | Future-focused <i>Chair: David Palmer</i> | Advances in pig biosecurity <i>Chair: Sharon Starick</i> |
| | Ensuring Tasmania's biosecurity future: 15 years of the Tasmanian Biosecurity Strategy <i>Andrew Bishop</i>   | Watch this space!  | Technological advances in biosecurity monitoring <i>Barbara Marks</i>   | Biosecurity and African Swine Fever preparedness in the pig industry in New South Wales: using human-centred design to influence biosecurity planning adoption <i>Marta Hernandez-jover and Nicole Schembri</i>   |

Cont'd

4:00-5:00pm
Cont'd

| Marquis Room | Monarch Room | Prince Room | Norfolk Hall |
|--|---|--|---|
| Developing the National Established Weed Priorities framework <i>John Virtue</i> | Building resilience in NSW aquaculture industries <i>Debra Doolan</i> | Biosecurity 2030 Mission <i>Andy Sheppard</i> | Supply chain operational preparedness: abattoir biosecurity controls <i>Kirsty Richards</i> |
| Biosecurity is a risky business <i>Warren Schofield</i> | East and West: working together to disentangle FAW global introduction pathways <i>Wee Tek Tay</i> | Health and safety meets network science: leveraging digital check-in software for biosecurity <i>Ryan Higgs</i> | |
| Plant health in One Health – critical for safeguarding life <i>Lois Ransom</i> | Grower managed plant protection and biosecurity systems <i>John Mcdonald</i> | Supporting biosecurity in the sheep and goat industries in NSW: Understanding barriers to implementing electronic identification <i>Marta Hernandez-jover and Trudy Marriott</i> | A landscape genetics approach to Australian feral pig management: what we know before we begin <i>Jennifer Manyweathers</i> |
| Watch this space! | Citrus Watch: launch of a multi-pronged, multi-stakeholder approach to commodity protection <i>Mila Bristow</i> | Watch this space! | Modelling the spread of African Swine Fever in Queensland domestic and feral pig populations <i>Richard Bradhurst</i> |

PLENARY SESSION THREE

Royal Benowa Foyer

5:00-5:30pm

Decade of biosecurity launch

This session will officially launch the 2020s as the Decade of Biosecurity, an initiative initiated by eight agriculture, NRM and environment organisations.

7:00-10:00pm

SYMPOSIUM DINNER - Proudly supported by the Commonwealth Department of Agriculture, Water and the Environment

Speaker: Dr Robyn Cleland, Chief Environmental Biosecurity Officer

Podium lawns

7:00-8:00am **Morning activity**

Royal Benowa Foyer

8:00am **Registration Opens**

PLENARY SESSION FOUR

Royal Benowa Foyer

8:40-8:50am **Introduction**

Introduction: Costa Georgiadis, MC, Eco-visionary and landscape architecture

8:50-9:40am **Connecting the dots - enhancing the system and its resilience**

Panel discussion: *The panel will focus on key activities - such as the national biosecurity strategy - and how they can be effectively integrated to ensure the ongoing enhancement and resilience of the Australian biosecurity system.*

Facilitator: Costa Georgiadis

Panellists: Dr Bruce Christie, Chair CISS and Christine Milne AO, Ambassador ISC

Cont'd

CONCURRENT SESSION FOUR

| | Marquis Room | Monarch Room | Prince Room | Norfolk Hall |
|--------------------------|--|--|--|--|
| 9:45-10:25am | Genetic technology 2030 Chair: TBC | One Health Chair: TBC | Advances in science and engagement for invasive ant management Chair: Andrew Cox | Social attitudes to mainstream biosecurity Chair: Robbie Davis |
| | Infectious disease high-throughput sequencing, setting us up for 2030 Stacey Lynch | What can biosecurity learn from COVID? Christopher Baker | The scientific effort underpinning current efforts to eradicate Red Imported Fire Ant from Australia Austin McLennan | Social attitudes and mainstreaming biosecurity |
| | Gene technologies as biocontrol tools for innovative and sustainable biosecurity interventions Kumaran Nagalingam | One Biosecurity: a unified approach to integrate risks to human, animal, plant, and environmental health Philip Eric Hulme | Terrestrial invertebrate detection in water and soil using a targeted eDNA approach Lori Lach | |
| | Gene drives for vertebrate pest control: spatial modelling of eradication probabilities and time-to-eradication for invasive alien mammals in Australia Aysegul Birand | | Inspiring action: mobilising industries and communities to take up fire ant treatment Chris Hollingdrake | |
| Watch this space! | | Engagement is not enough: to fully engage with stakeholders, integration is key Gareth Humphreys | | |

Cont'd

Royal Benowa Foyer

10:25-10:50am **Morning tea** (Poster viewing)

CONCURRENT SESSION FIVE

| | Marquis Room | Monarch Room | Prince Room | Norfolk Hall |
|---------------|---|--|--|--|
| 10:50-12:30pm | <p>Turning data into intelligence and information Chair: Samantha Allan</p> <p>Turing data into biosecurity intelligence: advancing solutions for data sharing, analytics and privacy protection Facilitator: Rieks van Klinken</p> <p>Connecting the dots using AUSPestCheck™ David Gale</p> <p>Future proofing aquatic biosecurity: Consistency is urgently needed for Australia's ALOP for prawns Ben Diggles</p> <p>Watch this space!</p> | <p>Northern Australia/ Indigenous Chair: Sarah Corcoran</p> <p>Northern Australia Biosecurity Surveillance Network (NABSnet) Facilitator: Skye Fruean</p> <p>Watch this space!</p> <p>Lessons learnt from the Ehrlichia canis outbreak in remote Australian Aboriginal communities Bonny Cumming</p> | <p>Digital surveillance innovation Chair: Kathleen Plowman</p> <p>Machine learning and biosecurity: a pathway to making interventions scalable Nathaniel Bloomfield</p> <p>Farm location image processing: using deep learning to differentiate livestock farms from aerial imagery Caitlin Pfeiffer</p> <p>Mobile identification of biosecurity threats using image recognition Alexander Schmidt-Lebuhn</p> <p>Development of an automated spore trap and analysis platform: opportunities for biosecurity surveillance Lewis Collins</p> | <p>Citizen science / general surveillance reporting Chair: Andreas Glaznig</p> <p>Citizen Science</p> <p>Delivering a win-win: incentivising accurate and timely general surveillance reporting Heleen Kruger</p> <p>Polyphagous Shot-Hole Borer in WA: a new and emerging threat at the urban forest-residential interface Kylie Ireland</p> <p>A model for grass-roots biosecurity collaboration in the Derwent Catchment, Tasmania Melanie Kelly</p> |

Cont'd

Marquis Room

Monarch Room

Prince Room

Norfolk Hall

10:50-12:30pm

Cont'd

Reducing the spread of pests and plant pathogens via smartphone-enabled quarantine tags

Dan Willey

Watch this space!

The evolution of technologies in plant pest diagnostics – where we are now? What is on the horizon?

Lucy Tran-Nguyen

Royal Benowa Foyer

12:30-1:25pm

Lunch

CONCURRENT SESSION SIX - Proudly supported by the Queensland Department of Agriculture and Fisheries

Marquis Room

Monarch Room

Prince Room

Norfolk Hall

1:25-2:25pm

Connecting the dots

Chair: Malcolm Letts



Biosecurity Commons Workshop: an innovative cloud-based modelling and analytics platform

Facilitator: Paul Tudman
Panellists: Saras Windecker and Aaron Dodd

Empowering action

Chair: Amber Sprunt

Literally connecting dots: a collaborative approach to invasive species data integration and modelling for national benefit

Katherina NG and Jens Froese

Myrtle rust advances

Chair: Mila Bristow

Making a difference to Myrtle Rust in Australia: highlighting the Plant Biosecurity Science Foundation's co-investments

Michael Robinson

Facets of mainstreaming biosecurity

Chair: TBC

Solving the collaboration conundrum: a meaningful approach to improving industry and government collaboration in biosecurity

Callum Fletcher

Cont'd

1:25-2:25pm

Cont'd

Marquis Room

Monarch Room

Prince Room

Norfolk Hall

International trade of seed: science informing risk

Fiona Constable



Development of molecular fingerprinting for early detection of myrtle rust disease and resistant germplasm

Donovin William Coles



Compliance education and behaviour change

Fahri Fahri



Empowering industry to manage panama TR4

Donna Campagnolo and Jim Pekin



Myrtle rust eDNA for early detection in Western Australia

Mariana Campos



Watch this space!



Giving animal pests and diseases the chop. Implementing biosecurity planning into NSW abattoirs and knackeries

Fiona McDonagh



Identification of biomarkers of myrtle rust infection and resistant germplasm using metabolomics methodology

Michelle Clair Moffitt



'Shut the gate' on hitchhiking pests: building local council capacity to protect our natural environments

Kelly Collins



Watch this space!



Engaging the next generation of biosecurity warriors

Jordan Bailey



Cont'd

Royal Benowa Foyer

2.30-3:30pm

Mainstreaming biosecurity: turning buzzwords into a way of life

Keynote: Dr Norman Swan, Health journalist and host of RN's Health Report and Coronacast

3:30—4:00pm

Closing statements

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

4:00pm

Symposium ends and afternoon tea



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 | What's a specimen worth? Jordan Bailey | ● |
| 2 | Increasing pathogen detection sensitivity and accuracy through hybridization capture and high throughput sequencing Natasha Brochier | ● |
| 3 | Engaging educational resources designed for remote Indigenous community audiences to raise awareness of ehrlichiosis Bonny Cumming | ● |
| 4 | Developing DNA-based presumptive testing for detecting key new incursion reptiles in the illegal pet trade Nathan Deliveyne | ● |
| 5 | Simulating the economic and non-economic impact of on-farm biosecurity for BVDV in Australian beef production Jake Fountain | ● |
| 6 | Doing our bit: Safe provision of food and other humanitarian aid to prevent the introduction of plant pests Emily Lamberton | ● |
| 7 | Influencing international sanitary and phytosanitary measures to benefit industry and the Australian biosecurity Thomas Langfield | ● |
| 8 | Untangling the web: dynamics of the online invertebrate trade Charlotte Lassaline | ● |
| 9 | Mainstreaming innovative and cost effective 'Community Cat Programs' to reduce biosecurity risks Jacquie Rand | ● |
| 10 | Co-investing in environmental plant biosecurity – highlighting the value of the Foundation's small and targeted investments Michael Robinson | ● |

● Connecting the dots ● Empowering action ● Future-focused ● Mainstreaming biosecurity

-
- 11 Horses as sentinels for emerging infectious diseases: improving biosecurity through the detection of new pathogens** ●

Ina Smith

 - 12 Feral cat eradication on large islands: estimating surveillance effort required to detect migrant individuals** ●

Meryl Theng

 - 13 Mitigating biosecurity threats related to submission of high-risk field samples to laboratories** ●

Petrus Jansen van Vuren

 - 14 Application of a novel diagnostic platform to serologically detect numerous viral infections using bulk samples** ●

Wilna Vosloo

 - 15 Reducing the spread of pests and plant pathogens via YouTube videos** ●

Dan Willey

 - 16 Preventing the spread of disease by introducing new fruit varieties** ●

Dan Willey

 - 17 Weeding it out: The Australian online trade of invasive aquatic plants** ●

Lisa Woods

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www.awe.gov.au

The Australian Government Department of Agriculture, Water and the Environment develops and implements policies and programs to enhance Australia's agriculture, environment, heritage and water resources through regulation and partnerships.

Our role is to work collaboratively to protect Australia's natural resources and develop strong agricultural industries. Ensuring our land, water and heritage are well-managed, protected and productive now and into the future.

We have staff located across the country and overseas, in diverse roles from biosecurity dog handlers to environmental assessors, research staff, scientists and accountants, in offices, airports, mail centres, shipping ports, laboratories and abattoirs, placed to meet the needs of the community, industry, and other governments.

Our focus is to be future ready and deliver meaningful and relevant outcomes for stakeholders and the nation.

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Biosecurity Queensland leads the Queensland Government's efforts to prevent, respond to and recover from animal and plant pests and diseases that threaten agricultural prosperity, the environment, social amenity and human health. This is achieved by facilitating a collaborative approach to the management of animal and plant pests and diseases, as a shared responsibility between all levels of government, industry, communities and landholders.



www.animalhealthaustralia.com.au/national-biosecurity-response-team-program

The National Biosecurity Response Team (NBRT) is a group of trained and experienced personnel that may be deployed to assist a jurisdiction in the response to biosecurity incidents. NBRT members are personnel from government agencies with knowledge, experience and training in emergency management, incident management or more specifically, responding to biosecurity incidents.

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One of the world's leading institutions focusing on the tropics, Australia's James Cook University is surrounded by the spectacular ecosystems of the rainforests of the Wet tropics, the dry savannahs, and the iconic Great Barrier Reef. Our unique location enables students from Australia and overseas to study in a diverse physical environment unparalleled by any university in the world.

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The core objective of the Centre of Excellence for Biosecurity (CEBRA) is to deliver practical solutions and advice for assessing and managing biosecurity risks that inform the risk management role of the department and ministry. With the support of the Australian Government Department of Agriculture, Water and the Environment, the Ministry for Primary Industries of New Zealand (the ministry) and The University of Melbourne CEBRA was established in July 2013. CEBRA ensures that biosecurity regulatory standards, procedures and tools are underpinned by world-class research and understanding of the issues, risks and response mechanisms.

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Wildlife Health Australia is the peak coordinating body for wildlife health in Australia. Our network includes 45 agencies and organizations and over 800 members who work to protect and enhance our natural environment, biodiversity, economy and animal and human health through strong partnerships. Our vision is "Healthy wildlife, healthy Australia".

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Exhibitors (alphabetical)



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